

**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
SOUTHEASTERN WATER ASSOCIATION
TO
COMMISSION'S REQUEST FOR INFORMATION
DATED DECEMBER 18, 2018**

FILED: January 14, 2019

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

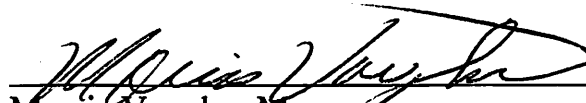
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**ELECTRONIC INVESTIGATION)
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**CERTIFICATION OF RESPONSE OF SOUTHEASTERN WATER
ASSOCIATION TO
COMMISSION'S REQUEST FOR INFORMATION**

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

Date: 1/14/2019


Morris Vaughn, Manager
Southeastern Water Association

SOUTHEASTERN WATER ASSOCIATION

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 1

Responding Witness: Morris Vaughn

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. Southeastern Water Association is a distribution system only. We purchase all our water from Somerset City Water. We measure monthly purchased water by reading our master meters daily. From these readings we calculate the overall water loss by subtracting (a) the number of gallons sold to residential, commercial, and industry customers (as provided by our billing software), (b) gallons of water used for system flushing and fire department use, (c) any other water used (such as customer leak adjustments, tank overflows, line leaks and any other approved usages).

- a. We currently use a monthly water loss spreadsheet.**
- b. A copy of the aforementioned spreadsheet is attached to the end of this document.**

c. The spreadsheet was provided by Kentucky Rural Water Association.

SOUTHEASTERN WATER ASSOCIATION

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 2

Responding Witness: Morris Vaughn

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. The water statistics page requires entries in thousands of gallons for annual totals. Our understanding of each line is as follows:

1. N/A
2. N/A
3. Water purchased from City of Somerset.
4. Total water purchased from City of Somerset.
6. Header
7. Residential (total water sold to residential customers)
8. Commercial (total water sold to commercial customers)
9. Industrial (total water sold to industrial customers)
10. N/A
11. Resale (water sold to Burnside City)
12. N/A
13. Total water sales (total of all water sold)

15. N/A
16. N/A
17. N/A
18. System flushing (all water used for system flushing including stage II rule)
19. Fire department use (all water used by fire departments)
20. N/A
21. Total other water used (total of 17 and 18)
23. Water loss header
24. Tank overflows (water lost due to malfunctioning telemetry and valve failure)
25. Line breaks (leaks due to aging infrastructure)
26. Line leaks (known leaks undetected due to non-surfacing)
27. Other (leaks due to construction or other loss due to line damage)
28. Total line loss (lines 23 through 27)
32. Water loss percentage (divide total line loss by total water purchased)
33. Line 28 divided by line 4

SOUTHEASTERN WATER ASSOCIATION

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 3

Responding Witness: Morris Vaughn

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. No questions.

SOUTHEASTERN WATER ASSOCIATION

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 4

Responding Witness: Morris Vaughn

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 improvements detected.

SOUTHEASTERN WATER ASSOCIATION

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 5

Responding Witness: Morris Vaughn

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. No questions.

SOUTHEASTERN WATER ASSOCIATION

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 6

Responding Witness: Morris Vaughn

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. I feel that a one size fits all 15% water loss standard for the entire state is very questionable considering the topographical difference. I feel that a case by case basis could justify water loss in some areas to be higher than 15% and others in the lower category.

SOUTHEASTERN WATER ASSOCIATION

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 7

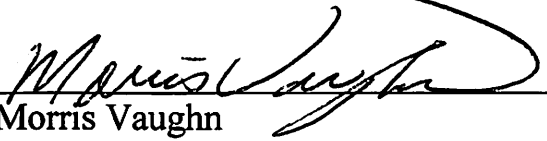
Responding Witness: Morris Vaughn

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. We 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. However, we would ask the Commission to consider the water loss on a regional basis rather than a one fits all sole decision.

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Southeastern Water Association'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.


Morris Vaughn

Monthly Water Loss Report

Water Company:

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 gallons
 BURNSIDE 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)	<input style="width: 100px;" type="text"/> gallons
Hydrant Flushing	<input style="width: 100px;" type="text"/> gallons
Storage Tank Overflow	<input style="width: 100px;" type="text"/> gallons
Water Treatment Plant Use	<input style="width: 100px;" type="text"/> gallons
BURNSIDE	<input style="width: 100px;" type="text"/> gallons
Fire Department Use	<input style="width: 100px;" type="text"/> gallons
Net Computer Adjustment + / -	<input style="width: 100px;" type="text"/> gallons
Other	<input style="width: 100px;" type="text"/> 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 = #DIV/0! gallons/day
 Gallons / Minute Loss = #DIV/0! gallons/min.

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!