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

Western Pulaski County Water District

TO

COMMISSION'S REQUEST FOR INFORMATION

DATED DECEMBER 18, 2018

FILED: January 15, 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 Western Pulaski County Water District TO COMMISSION'S REQUEST FOR INFORMATION

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

Date: 1/15/19

Joe McClendon, General Manager
Western Pulaski County Water District

Western Pulaski County Water District

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 1

Responding Witness: Joe Mcclendon

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. Western Pulaski County Water District is a distribution only system. We purchase water from two sources the city of Somerset and the city of Russell Springs. We have a total of five purchase meters, four of which we purchase from the city of Somerset and one from the city of Russell Springs. In addition to the purchase meters we also have seven master meters that we use to break our system into smaller sections all meters are read daily. This process gives us our total water purchased then we subtract gallons of water sold to customers which we get from our billing software, next we subtract gallons used for system flushing, fire department use customer leak adjustments, tank overflows. This process gives us our overall total water loss, next we calculate water sold per route based on billing software

subtracting that from the previous mentioned seven master meters which gives us our loss per section, allowing us to be more precise in our leak detection.

a. Currently we use a water loss spread sheet along with our SCADA system. For (Tank draw downs, and master meter readings.)

b. Copy attached with this document.

c. Spreadsheet provided by Kentucky Rural Water Association

Western Pulaski County Water District

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 2

Responding Witness: Joe Mcclendon

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. Heading

2. Total water produced N/A for Western Pulaski

3. Water purchased

4. Total water purchased

5. Space blank.

6. Heading

7. Residential water sold

8. Commercial water sold

9. Industrial water sold

10. Bulk sold N/A for Western Pulaski

11. Wholesale water sold N/A for Western Pulaski

12. N/A

13. Other water sold

14. Total water sold

15. Space

16. Heading

17. Treatment plant N/A

18. Wastewater N/A

19. System flushing all water used for flushing to maintain water quality.

20. Fire department water used by fire departments.

21. Other water used

22. Total water used but not sold.

23. Space

24. Heading

25. Tank overflows

26. Line breaks aging infrastructure

27. Line leaks water lost due to unknown cause not

28. Excavation damages due to construction

29. Theft inactive meters using water

30. Unknown loss

31. Total loss

32. Space

33. Notes

34. Space

35. Water loss % for rate making purposes

Western Pulaski County Water District

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 3

Responding Witness: Joe Mcclendon

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

Western Pulaski County Water District

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 4

Responding Witness: Joe Mcclendon

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 or improvements

Western Pulaski County Water District

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 5
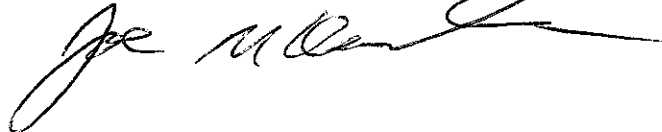
Responding Witness: Joe Mcclendon

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.

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Western Pulaski 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 _15_, 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.

Joe McClendon General Manager
Western Pulaski County Water District

Monthly Water Use Report

Water Utility:	Western Pulaski Co. Water	PWSID:	1000363
	(insert month)		(Insert year)
For the Month of:		Year:	

1	PRODUCTION COST PER THOUSAND		$0.00
2	PURCHASE COST PER THOUSAND	(insert cost)	

GALLONS

WATER PRODUCED or PURCHASED

3	Water Produced	$0.00	0
4	Water Purchased		
5	TOTAL PRODUCED AND PURCHASED		0
6	TOTAL COST		

WATER SOLD

7	Residential	
8	Commercial	
9	Industrial	0
10	Bulk Loading Stations	0
11	Wholesale	0
12	Other Sales (explain)	0
13	TOTAL WATER SOLD	0
14	TOTAL WATER NOT SOLD	0

BREAKDOWN OF WATER USAGE

15	Water Treatment Plant	0
16	Wastewater Treatment Plant	0
17	System Flushing	
18	Fire Department Usage	
19	Other Usage (explain) new 6" line parkway (keith wilson)	
20	TOTAL USAGE	0
21	WATER LOSS PERCENTAGE FOR RATE PURPOSES	

BREAKDOWN OF WATER LOST

22	Tank Overflows	0
23	Excavation Breaks	
24	Repaired Line Breaks	
25	Unknown Loss	0
26	TOTAL WATER NOT SOLD OR USED	0
27	COST OF WATER NOT SOLD OR USED	

"UNKNOWN LOSS" FLOW RATE AND COST:

28	"Unknown Loss"	0
29	% "Unknown Loss"	
30	(insert number of days in month) Number of Days in Period	
31	"Unknown Loss" per Day (Gallons per Day)	
32	"Unknown Loss" per Minute (GPM)	
33	"Unknown Loss" Cost for Month	

Kentucky Rural Water Association

Revised 8/3/2010

Monthly Hydrant Flushing Report

Western Pulaski Co. Water   (name of Water System)

Month	0
Year	0

1000363   (PWSID)

unit conversion factor	29.83

Formula: GPM = 29.83 cd²√p   coefficient value   0.95

Date	Hydrant Location and/or Number	Reason Operated	Total Minutes Operated	Nozzle size (typically 2.5 or 4.5)	Pitot Pressure	GPM	Gallons Flowed	Estimated Flow if Pitot not used

Total Gallons for Month   0

Monthly Leak Repair Report

Western Pulaski Co. Water
(Water System)

1000363
(PWSID)

Month
Year

Area Calculator

diameter in inches

Hole=
Area= 0.000 sq. in.

Insert the approximate dimensions of the hole or crack to determine the area of the break. Insert the area in the spreadsheet below.

length (in)   width (in)

Crack=
Area= 0 sq. in.

Date of Repair	Location of Leak or Line Break	Days Line Leaked?	Hole or Crack?	Area of hole or crack	Normal PSI	GPM	Calculated Loss for Month	Estimated Loss for Month

Total Gallons Lost Due to Line Breaks   0