

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

In the Matter of:

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

**RESPONSE OF
GRAYSON COUNTY WATER DISTRICT
TO
COMMISSION'S REQUEST FOR INFORMATION
DATED DECEMBER 18, 2018**

FILED: January 16, 2019

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


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**CERTIFICATION OF RESPONSE OF GRAYSON COUNTY WATER DISTRICT TO
COMMISSION'S REQUEST FOR INFORMATION**

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

Date: 1-16-2019



Kevin Shaw, District Manager
Grayson County Water District

GRAYSON COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 1

Responding Witness: Kevin Shaw

- 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 Grayson County Water District prides itself on its efforts to maintain a low water loss. Every day starts with several staff members reviewing master meter reports from the previous day. Each night at 12:00 a.m. readings from 21 different meter sites are recorded from our SCADA system. Calculations are made of the previous days usage on each source comparing it to the average daily usage for that source last month and also the same period last year. When excess usage is identified in a particular area the staff then goes out and listens on valves to ascertain what may be the source of the high usage.
- a. We have an excel spreadsheet developed that we complete monthly to follow loss by system, source, and area.

b.

January Water Loss

SOURCE	PRODUCED PURCHASED	SOLD	LOSS / (GAIN)	% LOSS BEFORE ACCOUNTED USE	WATER FOR OWN USE	UNACCOUNTED FOR WATER LOSS	THIS MONTH % AFTER ACCOUNTED USE	YTD % LOST
DETENTION CENTER	5,003,000	4,269,130	733,870	14.7%	125,000	608,870	12.2%	12.2%
HWY 920	1,925,000	1,550,970	374,030	19.4%	50,000	324,030	16.8%	16.8%
ROCK CREEK	826,000	989,470	(163,470)	-19.8%	0	(163,470)	-19.8%	-19.8%
CLARKSON	1,449,000	1,306,420	142,580	9.8%	90,000	52,580	3.6%	3.6%
BIG CLIFTY	1,837,000	1,478,520	358,480	19.5%	140,000	218,480	11.9%	11.9%
SPURRIER RD (720)	1,675,000	1,507,650	167,350	10.0%		167,350	10.0%	10.0%
HWY 224	848,000	730,790	117,210	13.8%	75,000	42,210	5.0%	5.0%
	13,563,000	11,832,950	1,730,050	12.8%	480,000	1,250,050	9.2%	9.2%
PETER CAVE SHORES	73,900	106,920	(33,020)	-44.7%	0	(33,020)	-44.7%	-44.7%
LILAC ROAD	31,300	66,400	(35,100)	-112.1%	0	(35,100)	-112.1%	-112.1%
HWY 259 NORTH	1,567,000	1,455,330	111,670	7.1%	75,000	36,670	2.3%	2.3%
HWY 259 SOUTH	2,174,400	1,483,590	690,810	31.8%	80,000	610,810	28.1%	28.1%
	17,409,600	14,945,190	2,464,410	14.2%	635,000	1,829,410	10.5%	10.5%
WATER PLANT	5,042,928	4,315,230	727,698	14.4%	225,000	502,698	10.0%	10.0%
WATERPLANT P.M.	0							0.0%
ROCK QUARRY	1,226,100	1,046,630	179,470	14.6%	50,000	129,470	10.6%	10.6%
HWY 187	2,306,400	1,996,950	309,450	13.4%	60,000	249,450	10.8%	10.8%
RABBIT FLAT	2,424,000	1,688,000	736,000	30.4%	130,000	606,000	25.0%	25.0%
RAY PRIDDY ROAD	4,652,000	4,391,660	260,340	5.6%	125,000	135,340	2.9%	2.9%
MILLWOOD								
MOUNTAIN VIEW	1,501,000	1,211,133	289,867	19.3%	95,000	194,867	13.0%	13.0%
SHORTCREEK	500,000	485,040	14,960	3.0%	0	14,960	3.0%	3.0%
POST TOUSEY	2,413,000	2,340,400	72,600	3.0%	75,000	(2,400)	-0.1%	-0.1%
HWY 62 WEST								0.0%
HWY 54								0.0%
	20,065,428	17,475,043	2,590,385	12.9%	760,000	1,830,385	9.1%	9.1%
	37,475,028	32,420,233	5,054,795	13.5%	1,395,000	3,659,795	9.8%	9.8%

c. It is an in house developed form.

GRAYSON COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 2

Responding Witness: Kevin Shaw

- 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. We report all water produced and purchased, lines 2 & 3 for a total produced & purchased on line 4. We report residential sales in line 7, commercial sales in line 8, resale in line 11, and in line 12 (other sale) we report agricultural sales. For total water sales in line 13. Line 16 is used to report (metered) water used in the treatment plant process. Line 18 is used to report water used for flushing purposes and any intentional tank overfills. Our fire departments do a very poor job notifying us of water used, however we believe the amount used is so insignificant that it is not even guessed at. Line 21 is the total of lines 16 & 18. Plant water used and system flushing. All other water is unaccounted for water loss.

GRAYSON COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 3

Responding Witness: Kevin Shaw

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. I have none.

GRAYSON COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 4

Responding Witness: Kevin Shaw

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. I have none

GRAYSON COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 5

Responding Witness: Kevin Shaw

- 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. I have none.

GRAYSON COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 6

Responding Witness: Kevin Shaw

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 Have none.

GRAYSON COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 7

Responding Witness: Kevin Shaw

- 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. The only suggestion I would have would be for the commission to consider not requiring utilities who have a history of acceptable or good water loss to have another form to be required to fill out and return. I think it is reasonable to ask systems with bad habits and high loss to be on notice and held to more stringent reporting guidelines. Reward good systems for a job well done by not asking them to do more work.

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that **GRAYSON 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 16, 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.



Kevin Shaw