

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC INVESTIGATION INTO)
EXCESSIVE WATER LOSS BY KENTUCKY'S) CASE NO.
JURISDICTIONAL WATER UTILITIES) 2019-41

RESPONSE OF SOUTHERN WATER & SEWER
DISTRICT TO APPENDIX C

FILED: May 2, 2019

Southern Water and Sewer District

Response to Ky. PSC (Kentucky Public Service Commission) for case # 2019-00041

1. See attached spreadsheets
2. SWSD utilizes the water loss form created by the Ky. PSC
 - A. Utilizing the PSC form, WTP (Water treatment Plant) usage is a guess/estimate in reality at this time but the staff has attempted to calculate daily usage by timing usage, using drawdown information, using pump information, etc. It will continue this way until we (UMG) can install a new plan and the necessary equipment to better record / monitor the numbers.
 - B. Donald R. Compton – UMG Special Projects Manager
Chris Francis – SWSD WTP Supervisor
Reece Salyer – SWSD Dist. Supervisor
SWSD Office staff – (meter reports, billing info, usage, etc.)
 - C. **See attached sheet
3. Since UMG has taken over the management of SWSD there has not been a water loss detection plan located so UMG will create one and put in action as quick as possible.
4. Same as # 3
5. UMG was not present in 2015 and to our knowledge the only water loss reduction project was associated with KRWA (Ky Rural Water Assoc.) and their staff. It will be a priority going forward for UMG to reduce water loss
6. UMG is not aware that a plan is on file but UMG is already started compiling the info to create a long range C.I.P.
7. Those are TBD by UMG
8. UMG has not located a written maintenance program, the maintenance has been performed on an “as needed basis”.
9. Duane Hamilton & Grondall Potter of UMG are assisting the SWSD crews to help detect leaks.
Duane Hamilton – UMG, Grondall Potter – UMG, Logan Crowder – SWSD, Reese Salyer – SWSD
10. Daily leak detection is not performed at this time but all SWSD staff always look / observe / report / repair any suspicious looking water issues. There is not enough personnel staffed at present time to have a dedicated leak detection crew.
11. The work order flow is at this time not being utilized properly and UMG is now training the staff on how work orders should be handled and flow through the system to have better reports generated, UMG cannot provide these reports at this time. **See attached reports
12. See # 11
13. No, each leak is different so trying to determine a set time would not be practical in the opinion of UMG.

14. CPA can answer but to the knowledge of UMG no materials were purchased during the requested time period.
15. UMG was not present in 2015 so knowledge of training is not known.
16. Don't think there is a written policy but based on short time UMG has been managing any irregular meter issues have been addressed.
17. To the knowledge of UMG the meter is 2 – 3 yrs old and has not been tested since installation. UMG has already attempted to calibrate this meter but was unsuccessful. UMG will plan accordingly and have testing performed.
18. **See attached reports
19. To the knowledge of UMG there is not one in place but UMG will have a testing plan in place as quickly as possible.
20. To the knowledge of UMG that number would be zero (0).
21. It appears that SWSD has mostly Sensus meters, some SRII's, some Badger meters and mostly Sensus on larger meters.
22. Yes
23. Yes
24. To UMG knowledge yes, as of March 25th 2019, they had better be read !!!
25. None that UMG is aware of.
26. No, this is not a doable task at this time but it will be on the UMG list of items "to do".
27. UMG has searched but not located one.
28. UMG has only calculated 2 months of WLR's (Water Loss Reports) for SWSD. UMG provides this monthly report to the board along with a production report / leak report. **See attached reports.
29. UMG was not present in 2015 and the board has changed multiple times since requested date. Water loss is and will be a priority for UMG while managing SWSD.
30.
 1. Water meter replacement / testing
 2. Water loss reduction
 3. Master meter replacement / testing
 4. Mink Br. Tank replacement
 5. WTP improvements – Turb's, pipe gallery work, Grit King resolved, etc.
31. CPA will have to provide.
32. N/A
33. Old to Older to Oldest !! UMG has not acquired this info as of yet.
34. Same as # 33
35. No mapping that includes service connections, SWSD does have repair supplies.
36. UMG cannot locate any said policy.
37. UMG does know of a few cases but no prosecution that is known.
 - A. See #37
 - B. See #37

38. A policy has been found and leak adjustments have been performed based on history of account and circumstances surrounding the reason for needed adjustment. **See Attached report

39. To UMG's knowledge SWSD can adjust late charges but is searching for that tariff to verify.

40. UMG believes there is a tariff that provides a worksheet but cannot locate it at this time.

41. To UMG knowledge a "comprehensive" audit has not been performed.

42. **See Attached reports


43. Rural Water / AWWA spreadsheet to the knowledge of UMG.

44. Hydrants, dead end blow offs, flush valves, hydrant meter when possible, diffusers when needed, etc.

45. UMG was not present in 2018, cannot locate any reports. SWSD will have a policy created by UMG as soon as possible.

If you have any questions or concerns regarding this response please contact me at the information listed below.

Sincerely

A handwritten signature in black ink that reads "Donald R. Compton". The signature is written in a cursive style with a large, sweeping initial "D".

Donald R. Compton
UMG Special Projects Manager

PUBLIC SERVICE COMMISSION

Annual Water Loss Summary

Water Utility:

For the Year:

MONTH	WATER LOSS %
JANUARY	66.3
FEBRUARY	52.0
MARCH	65.6
APRIL	63.1
MAY	63.7
JUNE	51.8
JULY	68.3
AUGUST	63.0
SEPTEMBER	55.9
OCTOBER	69.5
NOVEMBER	67.0
DECEMBER	68.9
TOTAL ANNUAL WATER LOSS %	63.2

The highest water loss was and occurred in the month of

The lowest water loss was and occurred in the month of

LEGEND

- Water Loss is less than 15%
- Water Loss is between 15% - 30%
- Water Loss is greater than 30%

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	42,740,000	
3	Water Purchased	11,006,300	
4	TOTAL PRODUCED AND PURCHASED	53,746,300	
5			
6	WATER SALES		
7	Residential	17,494,000	
8	Commercial		
9	Industrial		
10	Bulk Loading Stations		
11	Wholesale	1,476,000	
12	Other Sales _____		
13	TOTAL WATER SALES	18,970,000	35.3%
14			
15	OTHER WATER USED		
16	Utility and/or Water Treatment Plant	1,330,000	
17	Wastewater Plant		
18	System Flushing	1,600,000	
19	Fire Department	75,000	
20	Other <u>state hwy dept</u> _____	2,000	
21	TOTAL OTHER WATER USED	3,007,000	5.6%
22			
23	WATER LOSS		
24	Tank Overflows	145,000	
25	Line Breaks	2,750,000	
26	Line Leaks	28,874,300	
27	Other _____		
28	TOTAL LINE LOSS	31,769,300	59.1%
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)	59.1%	

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	51,150,000	
3	Water Purchased	13,510,000	
4	TOTAL PRODUCED AND PURCHASED	64,660,000	
5			
6	WATER SALES		
7	Residential	19,355,000	
8	Commercial		
9	Industrial		
10	Bulk Loading Stations		
11	Wholesale	1,377,000	
12	Other Sales		
13	TOTAL WATER SALES	20,732,000	32.1%
14			
15	OTHER WATER USED		
16	Utility and/or Water Treatment Plant	975,000	
17	Wastewater Plant		
18	System Flushing	1,000,000	
19	Fire Department	62,196	
20	Other		
21	TOTAL OTHER WATER USED	2,037,196	3.2%
22			
23	WATER LOSS		
24	Tank Overflows	30,000	
25	Line Breaks	4,200,000	
26	Line Leaks	37,660,804	
27	Other		
28	TOTAL LINE LOSS	41,890,804	64.8%
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)	64.8%	

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	45,204,000	
3	Water Purchased	12,716,000	
4	TOTAL PRODUCED AND PURCHASED	57,920,000	
5			
6	WATER SALES		
7	Residential	21,924,910	
8	Commercial		
9	Industrial		
10	Bulk Loading Stations		
11	Wholesale	1,476,000	
12	Other Sales _____		
13	TOTAL WATER SALES	23,400,910	40.4%
14			
15	OTHER WATER USED		
16	Utility and/or Water Treatment Plant	1,190,000	
17	Wastewater Plant		
18	System Flushing	1,200,000	
19	Fire Department	87,500	
20	Other <u>state hwy dept.</u>	3,500	
21	TOTAL OTHER WATER USED	2,481,000	4.3%
22			
23	WATER LOSS		
24	Tank Overflows	658,000	
25	Line Breaks	2,200,000	
26	Line Leaks	29,180,090	
27	Other _____		
28	TOTAL LINE LOSS	32,038,090	55.3%
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)	55.3%	

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	
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!

SOUTHERN WATER AND SEWER MONTHLY FILED CONSTRUCTION LOG

3/25/19 TO 4/25/19

NUMBER OF LEAKS 316

NUMBER OF TAPS 4

NUMBER OF DIG OUTS 0

ESTIMATED WATER LOSS _____ gal

LINE SIZES $\frac{3}{4}$ 116 1inch 3 2inch _____ 3inch _____ 4inch 2

6inch _____ 8inch _____ 10inch _____ 12inch _____

PARST USED: $\frac{3}{4}$ couplings 32 1 inch couplings 6 2 inch hymax,s

_____ 3 inch hymax's _____ 4 inch hymax's 4 6 inch hymax's

_____ 8 inch hymax's 2 10 inch hymax,s _____ 12inch hymaxs

0 SR-II meter bottoms 6 $\frac{3}{4}$ regulators 6

Right Beaver 16 Left Beaver 14 Big Mud 5 Little Mud 1

Setter valves = 4 - 2 meter boxes
8 inch valve = 1 2 inch setter replaced.

FILED SUPERVISOR [Signature] DATE _____

GENERAL MANAGER _____ DATE _____

SOUTHERN WATER & SEWER DISTRICT

MONTHLY LEAK LOGG

1/29/2019 TO 2/25/2019

TOTAL LEAKS 42

ESTIMATED WATER LOSS 4,200,000 gal.

NEW TAPS 1

DIG-OUTS 0

3/4 18

1" INCH 8

6" INCH 1

2" INCH 2

8" INCH 1

3" INCH 2

10" INCH

4" INCH 7

12" INCH 1

RIGHT BEAVER 18

LEFT BEAVER 17

BIG MUD 5

LITTLE MUD 2

PARTS USED

40-3/4 CUPLINGS

18-1" CUPLINGS

2-6" HYMAX'S

4-2" HYMAX'S

2-8" HYMAX'S

4-3" HYMAX'S

0-10" HYMAX'S

14-4" HYMAX'S

2-12" HYMAX'S

FIELD SUPERVISOR *Chris Robin* DATE *2/25/19*

MANGER _____ DATE _____



Branch Office
 740 Enterprise Drive
 Lexington, KY 40510
 Phone: (859)255-0852
 Fax: (859)259-1171

CITCO Large Meter Test Record

Customer Name: Southern Water

Date: 4-26-19

Make: Sensus Compound

Serial #: 69278421

Size: 4"

Location: Garret

Meter Tester Information:

Make: Sensus

Type: V2

Serial #: Tester3

Size: 3"

Last Tested: 07-19-2018

Test As Found

	Flow Rate	Residual Pressure	Meter	Prover	Result %=(A/B)x100	Curve	Meter Accuracy
HIGH	200/500	60	505	510	99.02%	100.50%	99.51%
MED	25/100	80	102	105	97.14%	100.80%	97.92%
LOW	.75/10	95	10	10.1	99.01%	99.50%	98.51%
Average of Tests As Found:							98.65%

Result: PASSED

Oxygen: 20.8

Michael Shipley (Card# W1370)

Size	High Flow	AWWA Standard	Mid Flow	AWWA Standard	Minimum Flow	AWWA Standard	TURBINE
1.5"	90 gpm for 300 gal	98.5% - 101.5%	10 gpm for 100 gal	98.5% - 101.5%	4 gpm for 100 gal	98.5% - 101.5%	TURBINE
2"	120 gpm for 300 gal	98.5% - 101.5%	10 gpm for 100 gal	98.5% - 101.5%	4 gpm for 100 gal	98.5% - 101.5%	TURBINE
3"	275 gpm for 600 gal	98.5% - 101.5%	20 gpm for 100 gal	98.5% - 101.5%	8 gpm for 100 gal	98.5% - 101.5%	TURBINE
4"	500 gpm for 1000 gal	98.5% - 101.5%	20 gpm for 1000 gal	98.5% - 101.5%	15 gpm for 100 gal	98.5% - 101.5%	TURBINE
6"	1100 gpm for 2500 gal	98.5% - 101.5%	40 gpm for 1000 gal	98.5% - 101.5%	30 gpm for 1000 gal	98.5% - 101.5%	TURBINE
8"	1500 gpm for 4000 gal	98.5% - 101.5%	50 gpm for 1000 gal	98.5% - 101.5%	50 gpm for 1000 gal	98.5% - 101.5%	TURBINE
2"	100 gpm for 100 gal	97% - 103%	15 gpm for 100 gal	90% - 103%	.25 gpm for 10 gal	95% - 101%	COMPOUND
3"	150 gpm for 500 gal	97% - 103%	15 gpm for 100 gal	90% - 103%	.50 gpm for 10 gal	95% - 101%	COMPOUND
4"	200 gpm for 500 gal	97% - 103%	25 gpm for 100 gal	90% - 103%	.75 gpm for 10 gal	95% - 101%	COMPOUND
6"	500 gpm for 1000 gal	97% - 103%	35 gpm for 100 gal	90% - 103%	1.5 gpm for 100 gal	95% - 101%	COMPOUND
8"	600 gpm for 2000 gal	97% - 103%	45 gpm for 100 gal	90% - 103%	2 gpm for 100 gal	95% - 101%	COMPOUND



Branch Office
 740 Enterprise Drive
 Lexington, KY 40510
 Phone: (859)255-0852
 Fax: (859)259-1171

CITCO Large Meter Test Record

Customer Name: Southern Water

Date: 4-26-19

Make: Sensus T2 Omni

Serial #: 70575243

Size: 6"

Location: Potter

Meter Tester Information:

Make: Sensus

Type: V2

Serial #: Tester3

Size: 3"

Last Tested: 07-19-2018

Test As Found

	Flow Rate	Residual Pressure	Meter	Prover	Result %=(A/B)x100	Curve	Meter Accuracy
HIGH	510/2500	55	2749	2505	109.74%	100.50%	110.29%
MED							
LOW	30/1000	85	1109	1035	107.15%	100.80%	108.01%
Average of Tests As Found:							109.15%

Result: FAILED

Oxygen: 20.8

Michael Shipley (Card# W1370)

Size	High Flow	AWWA Standard	Mid Flow	AWWA Standard	Minimum Flow	AWWA Standard	TURBINE
1.5"	90 gpm for 300 gal	98.5% - 101.5%	10 gpm for 100 gal	98.5% - 101.5%	4 gpm for 100 gal	98.5% - 101.5%	TURBINE
2"	120 gpm for 300 gal	98.5% - 101.5%	10 gpm for 100 gal	98.5% - 101.5%	4 gpm for 100 gal	98.5% - 101.5%	TURBINE
3"	275 gpm for 600 gal	98.5% - 101.5%	20 gpm for 100 gal	98.5% - 101.5%	8 gpm for 100 gal	98.5% - 101.5%	TURBINE
4"	500 gpm for 1000 gal	98.5% - 101.5%	20 gpm for 1000 gal	98.5% - 101.5%	15 gpm for 100 gal	98.5% - 101.5%	TURBINE
6"	1100 gpm for 2500 gal	98.5% - 101.5%	40 gpm for 1000 gal	98.5% - 101.5%	30 gpm for 1000 gal	98.5% - 101.5%	TURBINE
8"	1500 gpm for 4000 gal	98.5% - 101.5%	50 gpm for 1000 gal	98.5% - 101.5%	50 gpm for 1000 gal	98.5% - 101.5%	TURBINE
2"	100 gpm for 100 gal	97% - 103%	15 gpm for 100 gal	90% - 103%	.25 gpm for 10 gal	95% - 101%	COMPOUND
3"	150 gpm for 500 gal	97% - 103%	15 gpm for 100 gal	90% - 103%	.50 gpm for 10 gal	95% - 101%	COMPOUND
4"	200 gpm for 500 gal	97% - 103%	25 gpm for 100 gal	90% - 103%	.75 gpm for 10 gal	95% - 101%	COMPOUND
6"	500 gpm for 1000 gal	97% - 103%	35 gpm for 100 gal	90% - 103%	1.5 gpm for 100 gal	95% - 101%	COMPOUND
8"	600 gpm for 2000 gal	97% - 103%	45 gpm for 100 gal	90% - 103%	2 gpm for 100 gal	95% - 101%	COMPOUND

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility: Southern Water & Sewer District

For the Month of: February Year: 2019

LINE #	ITEM	GALLONS (Omit 000's)
1	WATER PRODUCED, PURCHASED & DISTRIBUTED	
2	Water Produced	42,740,000
3	Water Purchased	11,006,300
4	TOTAL PRODUCED AND PURCHASED	53,746,300
5		
6	WATER SALES	
7	Residential	17,494,000
8	Commercial	
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	1,476,000
12	Other Sales _____	
13	TOTAL WATER SALES	18,970,000 35.3%
14		
15	OTHER WATER USED	
16	Utility and/or Water Treatment Plant	1,330,000
17	Wastewater Plant	
18	System Flushing	1,600,000
19	Fire Department	75,000
20	Other <u>state hwy dept</u> _____	2,000
21	TOTAL OTHER WATER USED	3,007,000 5.6%
22		
23	WATER LOSS	
24	Tank Overflows	145,000
25	Line Breaks	2,750,000
26	Line Leaks	28,874,300
27	Other _____	
28	TOTAL LINE LOSS	31,769,300 59.1%
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)	59.1%

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility:

Southern Water & Sewer District

For the Month of:

March

Year:

2019

LINE #	ITEM	GALLONS (Omit 000's)	
1	WATER PRODUCED, PURCHASED & DISTRIBUTED		
2	Water Produced	45,204,000	
3	Water Purchased	12,716,000	
4	TOTAL PRODUCED AND PURCHASED	57,920,000	
5			
6	WATER SALES		
7	Residential	21,924,910	
8	Commercial		
9	Industrial		
10	Bulk Loading Stations		
11	Wholesale	1,476,000	
12	Other Sales		
13	TOTAL WATER SALES	23,400,910	40.4%
14			
15	OTHER WATER USED		
16	Utility and/or Water Treatment Plant	1,190,000	
17	Wastewater Plant		
18	System Flushing	1,200,000	
19	Fire Department	87,500	
20	Other state hwy dept.	3,500	
21	TOTAL OTHER WATER USED	2,481,000	4.3%
22			
23	WATER LOSS		
24	Tank Overflows	658,000	
25	Line Breaks	2,200,000	
26	Line Leaks	29,180,090	
27	Other		
28	TOTAL LINE LOSS	32,038,090	55.3%
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)	55.3%	

Question # 38

FOR Southern Floyd County, KY
Community, Town or City

P.S.C. KY. NO. 1

Original SHEET NO. 35

CANCELLING P.S.C. KY. NO. _____

_____ SHEET NO. _____

Southern Water & Sewer District
(Name of Utility)

RULES & REGULATIONS

AC. Leak Adjustment Policy:

While a utility is not required to have a leak adjustment policy to adjust bills due to a water leak, this utility chooses to offer a leak adjustment under the following conditions:

1. The customer must request a leak adjustment in writing to the utility.
2. The customer must provide a plumber's statement or other proof showing the leak has been repaired.
3. The customer's bill will be based on two components. The first step will be to calculate the customer's average monthly usage over a twelve-month period. The second step will be to deduct the customer's average monthly usage (as calculated above) from the total amount of water that passed through the meter. The usage calculated in step one will be billed at the utility's regular rates, while the remaining usage will be charged at the per thousand gallon leak adjustment rate. All water passing through the meter must be accounted and paid for by the customer. Therefore, the customer will owe the amount of his/her average bill plus the per thousand gallon leak adjustment rate for the remainder of the water that passed through the meter.
4. If meter readings are not available for an entire twelve-month period, the average usage of similar customer loads shall be used for comparison purposes for the calculation.
5. Only one (1) leak adjustment will be made for a specific service location during any given twelve-month period.
6. Wholesale customers are not eligible for this Leak Adjustment Policy.
7. The leak adjustment rate shall be: the cost of production per 1,000 gallons.

DATE OF ISSUE April 03, 2014
Month / Date / Year

DATE EFFECTIVE May 03, 2014
Month / Date / Year

ISSUED BY Paula Johnson
(Signature of Officer)

TITLE Chairperson

BY AUTHORITY OF ORDER OF THE PUBLIC SERVICE COMMISSION

IN CASE NO. n DATED n/a

KENTUCKY
PUBLIC SERVICE COMMISSION
JEFF R. DEROUEN EXECUTIVE DIRECTOR
TARIFF BRANCH
<u>Brent Kinley</u>
EFFECTIVE
5/3/2014
PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

Question # 42

For: _____

PSC KY Number: _____

_____ Sheet No. _____

Cancelling PSC KY Number: _____

_____ Sheet No. _____

(Name of Utility)

Fire Departments.

Any city, county, urban-county, charter county, fire protection district, or volunteer fire protection district ("User") may withdraw water from the utility's water distribution system for fighting fires or training firefighters at no charge on the condition that it maintains estimates of the amount of water used for fire protection and training during the calendar month and reports the amount of this water usage to the utility no later than the 15th day of the following calendar month.

Any User that withdraws water from the utility's water distribution system for fire protection or training purposes and fails to submit the required report on water usage in a timely manner shall be assessed the cost of this water. A User shall submit a monthly report even if it withdraws no water for fire protection or training purposes.

A non-reporting User's usage shall be presumed to be 0.3 percent of the utility's total water sales for the calendar month. A non-reporting User may present evidence of its actual usage to rebut the presumed usage. The utility shall consider this evidence and shall adjust the presumed usage amount accordingly.

The non-reporting User shall be billed for this usage at the lowest usage block rate regardless of customer classification that the utility charges.

A non-reporting User shall also be assessed a penalty of \$ _____ for each failure to submit a report in a timely manner.

DATE OF ISSUE _____
Month / Day / Year

DATE EFFECTIVE _____
Month / Day / Year

ISSUED BY _____
(Signature of Officer)

TITLE _____

BY AUTHORITY OF ORDER OF THE PUBLIC SERVICE COMMISSION
IN CASE NO. _____ DATED _____

Fire Department - Water Usage Report Form

KRS 278.170(3) 807 KAR 5:095 Section 9

Any city, county, urban-county, charter county, fire protection district, or volunteer fire protection district ("User") may withdraw water from the utility's water distribution system for the purpose of fighting fires or training firefighters at no charge on the condition that it maintains estimates of the amount of water used for fire protection and training during the calendar month and reports the amount of this water usage to the utility no later than the 15th day of the following calendar month.

Any city, county, urban-county, charter county, fire protection district, or volunteer fire protection district that withdraws water from the utility's water distribution system for fire protection or training purposes and fails to submit the required report on water usage in a timely manner shall be assessed the cost of this water.

A non-reporting user's usage shall be presumed to be 0.3 percent of the utility's total water sales for the calendar month.

(name of Fire Department)

Month

Year

(name of Water System)

unit conversion factor 29.83

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

Signed: _____
(fire department representative)

Date: _____

Total Gallons for Month

