

SOUTHEASTERN WATER ASSOCIATION  
147 EAST SOMERSET CHURCH ROAD  
SOMERSET, KY. 42503  
606-678-5501

**Item #8 (Other Water Use)**

- a. System Flushing is defined as water used to resolve customer complaints as well as meeting flushing requirements set forth by the Division of Water for required maintenance and main line cleaning.
- b. Fire Department usage is taken from the monthly reports from the County Fire Commission. If no reports are received a portion of the total loss of .5 to 1 percent is used.
- c. Flushing for Compliance is a report generated for use of the water system for determining the cost of water used to stay in compliance with the Stage11 water sampling as required by the EPA. We are no longer keeping tow flushing reports as a request by the PSC on our last inspection.
- d. These items are added together for the total water used.
- e. The totals are entered on an excel spreadsheet uploaded from the KRWA Website. All formulas are included in the water loss tables for flushing as well as leaks. The time flushed, size water main and pressure on the water main is entered to generate total water flushed. Our service personnel turn in daily papers with this information which is entered in the spread sheets and daily papers are discarded.
- f. Please find enclosed a copy of the PSC water loss Monthly spread sheets that are used to determine the total usage and yearly reports.

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility:

SWA

For the Month of:

JAN

Year:

2019

LINE	ITEM	GALLONS (omit 000's)
1	<b>WATER PRODUCED AND PURCHASED</b>	
2	Water Produced	
3	Water Purchased	48,270,300
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>48,270,300</b>
5		
6	<b>WATER SALES</b>	
7	Residential	21,497,559
8	Commercial	1,594,420
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	528,600
12	Public Authorities	
13	Other Sales (explain)	
14	<b>TOTAL WATER SALES</b>	<b>23,620,579</b>
15		
16	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	
18	Wastewater Plant	
19	System Flushing	6,062,500
20	Fire Department	235,723
21	Other Usage (explain) (Compliance)	8,319,973
22	<b>TOTAL OTHER WATER USED</b>	<b>14,618,196</b>
23		
24	<b>WATER LOSS</b>	
25	Tank Overflows	
26	Line Breaks	5,056,084
27	Line Leaks	4,975,441
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	<b>TOTAL WATER LOSS</b>	<b>10,031,525</b>
32		
33	<b>Note: Line 14 + Line 22 + Line 31 MUST Equal Line 4</b>	
34		
35	<b>WATER LOSS PERCENTAGE</b>	
36	(Line 31 divided by Line 4)	<b>20.78%</b>

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility:

For the Month of:  Year:

LINE #	ITEM	GALLONS (Omit 000's)
1	<b>WATER PRODUCED AND PURCHASED</b>	
2	Water Produced	
3	Water Purchased	48,525,300
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>48,525,300</b>
5		
6	<b>WATER SALES</b>	
7	Residential	22,397,500
8	Commercial	1,127,800
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	572,600
12	Public Authorities	
13	Other Sales (explain)	
14	<b>TOTAL WATER SALES</b>	<b>24,097,900</b>
15		
16	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	
18	Wastewater Plant	
19	System Flushing	7,570,500
20	Fire Department	41,000
21	Other Usage (explain) (Compliance)	9,154,131
22	<b>TOTAL OTHER WATER USED</b>	<b>16,765,631</b>
23		
24	<b>WATER LOSS</b>	
25	Tank Overflows	
26	Line Breaks	4,892,780
27	Line Leaks	2,768,989
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	<b>TOTAL WATER LOSS</b>	<b>7,661,769</b>
32		
33	<b>Note: Line 14 + Line 22 + Line 31 MUST Equal Line 4</b>	
34		
35	<b>WATER LOSS PERCENTAGE</b>	
36	(Line 31 divided by Line 4)	15.79%

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility:

For the Month of:  Year:

LINE #	ITEM	GALLONS (Omit 000's)
1	<b>WATER PRODUCED AND PURCHASED</b>	
2	Water Produced	
3	Water Purchased	47,831,000
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>47,831,000</b>
5		
6	<b>WATER SALES</b>	
7	Residential	19,582,160
8	Commercial	834,200
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	479,900
12	Public Authorities	
13	Other Sales (explain)	
14	<b>TOTAL WATER SALES</b>	<b>20,896,260</b>
15		
16	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	
18	Wastewater Plant (OTHER)	7,994,973
19	System Flushing	7,485,825
20	Fire Department	40,000
21	Other Usage (explain) (Compliance)	7,982,942
22	<b>TOTAL OTHER WATER USED</b>	<b>23,503,740</b>
23		
24	<b>WATER LOSS</b>	
25	Tank Overflows	
26	Line Breaks	6,854,167
27	Line Leaks	4,571,806
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	<b>TOTAL WATER LOSS</b>	<b>11,425,973</b>
32		
33	<b>Note: Line 14 + Line 22 + Line 31 MUST Equal Line 4</b>	
34		
35	<b>WATER LOSS PERCENTAGE</b>	
36	(Line 31 divided by Line 4)	23.89%

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility:

For the Month of:  Year:

LINE #	ITEM	GALLONS (Omit 000's)
1	<b>WATER PRODUCED AND PURCHASED</b>	
2	Water Produced	
3	Water Purchased	41,872,400
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>41,872,400</b>
5		
6	<b>WATER SALES</b>	
7	Residential	19,905,320
8	Commercial	991,470
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	597,000
12	Public Authorities	
13	Other Sales (explain)	
14	<b>TOTAL WATER SALES</b>	<b>21,493,790</b>
15		
16	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	
18	FIRE DEPT	17,100
19	System Flushing	7,553,970
20	Compliance	5,301,638
22	<b>TOTAL OTHER WATER USED</b>	<b>12,872,708</b>
23		
24	<b>WATER LOSS</b>	
25	Tank Overflows	
26	Line Breaks	3,709,100
27	Line Leaks	2,840,302
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	<b>TOTAL WATER LOSS</b>	<b>6,549,402</b>
32		
33	<b>Note: Line 14 + Line 22 + Line 31 MUST Equal Line 4</b>	
34		
35	<b>WATER LOSS PERCENTAGE</b>	
36	(Line 31 divided by Line 4)	15.64%

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility:

For the Month of:  Year:

LINE #	ITEM	GALLONS (Omit 000's)
1	<b>WATER PRODUCED AND PURCHASED</b>	
2	Water Produced	
3	Water Purchased	43,215,900
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>43,215,900</b>
5		
6	<b>WATER SALES</b>	
7	Residential	23,360,080
8	Commercial	1,043,370
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	555,600
12	Public Authorities	
13	Other Sales (explain)	
14	<b>TOTAL WATER SALES</b>	<b>24,959,050</b>
15		
16	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	
18	Wastewater Plant	
19	System Flushing	6,070,500
20	Fire Department	150,000
21	Other Usage (explain) (Compliance)	3,685,728
22	<b>TOTAL OTHER WATER USED</b>	<b>9,906,228</b>
23		
24	<b>WATER LOSS</b>	
25	Tank Overflows	
26	Line Breaks	4,800,600
27	Line Leaks	3,550,022
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	<b>TOTAL WATER LOSS</b>	<b>8,350,622</b>
32		
33	<b>Note: Line 14 + Line 22 + Line 31 MUST Equal Line 4</b>	
34		
35	<b>WATER LOSS PERCENTAGE</b>	
36	(Line 31 divided by Line 4)	19.32%

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility:

For the Month of:  Year:

LINE #	ITEM	GALLONS (Omit 000's)
1	<b>WATER PRODUCED AND PURCHASED</b>	
2	Water Produced	
3	Water Purchased	50,648,600
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>50,648,600</b>
5		
6	<b>WATER SALES</b>	
7	Residential	27,556,990
8	Commercial	1,717,410
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	663,900
12	Public Authorities	
13	Other Sales (explain)	
14	<b>TOTAL WATER SALES</b>	<b>29,938,300</b>
15		
16	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	
18	Wastewater Plant	
19	System Flushing	4,208,400
20	Fire Department	11,450
21	Other Usage (explain) (Compliance)	4,500,203
22	<b>TOTAL OTHER WATER USED</b>	<b>8,720,053</b>
23		
24	<b>WATER LOSS</b>	
25	Tank Overflows	
26	Line Breaks	6,811,200
27	Line Leaks	5,179,047
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	<b>TOTAL WATER LOSS</b>	<b>11,990,247</b>
32		
33	<b>Note: Line 14 + Line 22 + Line 31 MUST Equal Line 4</b>	
34		
35	<b>WATER LOSS PERCENTAGE</b>	
36	(Line 31 divided by Line 4)	23.67%

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility:

For the Month of:  Year:

LINE #	ITEM	GALLONS (Omit 000's)
1	<b>WATER PRODUCED AND PURCHASED</b>	
2	Water Produced	
3	Water Purchased	51,738,200
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>51,738,200</b>
5		
6	<b>WATER SALES</b>	
7	Residential	25,623,384
8	Commercial	1,400,800
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	662,870
12	Public Authorities	
13	Other Sales (explain)	
14	<b>TOTAL WATER SALES</b>	<b>27,687,054</b>
15		
16	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	
18	Wastewater Plant	
19	System Flushing	7,306,000
20	Fire Department	23,200
21	Other Usage (explain) (Copmliance)	5,796,799
22	<b>TOTAL OTHER WATER USED</b>	<b>13,125,999</b>
23		
24	<b>WATER LOSS</b>	
25	Tank Overflows	
26	Line Breaks	8,052,000
27	Line Leaks	2,873,147
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	<b>TOTAL WATER LOSS</b>	<b>10,925,147</b>
32		
33	<b>Note: Line 14 + Line 22 + Line 31 MUST Equal Line 4</b>	
34		
35	<b>WATER LOSS PERCENTAGE</b>	
36	(Line 31 divided by Line 4)	21.12%



# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility:

For the Month of:  Year:

LINE #	ITEM	GALLONS (Omit 000's)
1	<b>WATER PRODUCED AND PURCHASED</b>	
2	Water Produced	
3	Water Purchased	54,095,200
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>54,095,200</b>
5		
6	<b>WATER SALES</b>	
7	Residential	28,714,379
8	Commercial	1,575,500
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	749,100
12	Public Authorities	
13	Other Sales (explain)	
14	<b>TOTAL WATER SALES</b>	<b>31,038,979</b>
15		
16	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	
18	Wastewater Plant	
19	System Flushing	9,022,200
20	Fire Department	6,200
21	Other Usage (explain) (Compliance)	5,856,679
22	<b>TOTAL OTHER WATER USED</b>	<b>14,885,079</b>
23		
24	<b>WATER LOSS</b>	
25	Tank Overflows	
26	Line Breaks	6,396,525
27	Line Leaks	1,774,617
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	<b>TOTAL WATER LOSS</b>	<b>8,171,142</b>
32		
33	<b>Note: Line 14 + Line 22 + Line 31 MUST Equal Line 4</b>	
34		
35	<b>WATER LOSS PERCENTAGE</b>	
36	(Line 31 divided by Line 4)	15.11%

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility:

For the Month of:  Year:

LINE #	ITEM	GALLONS (Omit 000's)
1	<b>WATER PRODUCED AND PURCHASED</b>	
2	Water Produced	
3	Water Purchased	52,288,600
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>52,288,600</b>
5		
6	<b>WATER SALES</b>	
7	Residential	28,263,020
8	Commercial	1,454,600
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	739,300
12	Public Authorities	
13	Other Sales (explain)	
14	<b>TOTAL WATER SALES</b>	<b>30,456,920</b>
15		
16	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	
18	Wastewater Plant	
19	System Flushing	7,621,154
20	Fire Department	14,260
21	Other Usage (explain) (Compliance)	6,155,908
22	<b>TOTAL OTHER WATER USED</b>	<b>13,791,322</b>
23		
24	<b>WATER LOSS</b>	
25	Tank Overflows	
26	Line Breaks	6,038,600
27	Line Leaks	2,001,758
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	<b>TOTAL WATER LOSS</b>	<b>8,040,358</b>
32		
33	<b>Note: Line 14 + Line 22 + Line 31 MUST Equal Line 4</b>	
34		
35	<b>WATER LOSS PERCENTAGE</b>	
36	(Line 31 divided by Line 4)	15.38%

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility:

For the Month of:  Year:

LINE #	ITEM	GALLONS (Omit 000's)
1	<b>WATER PRODUCED AND PURCHASED</b>	
2	Water Produced	
3	Water Purchased	49,632,100
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>49,632,100</b>
5		
6	<b>WATER SALES</b>	
7	Residential	25,806,934
8	Commercial	1,123,600
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	646,900
12	Public Authorities	
13	Other Sales (explain)	
14	<b>TOTAL WATER SALES</b>	<b>27,577,434</b>
15		
16	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	
18	Wastewater Plant	
19	System Flushing	6,193,500
20	Fire Department	97,100
21	Other Usage (explain) (Compliance)	7,065,965
22	<b>TOTAL OTHER WATER USED</b>	<b>13,356,565</b>
23		
24	<b>WATER LOSS</b>	
25	Tank Overflows	
26	Line Breaks	3,840,075
27	Line Leaks	4,858,026
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	<b>TOTAL WATER LOSS</b>	<b>8,698,101</b>
32		
33	<b>Note: Line 14 + Line 22 + Line 31 MUST Equal Line 4</b>	
34		
35	<b>WATER LOSS PERCENTAGE</b>	
36	(Line 31 divided by Line 4)	17.53%

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility:

For the Month of:  Year:

LINE #	ITEM	GALLONS (Omit 000's)
1	<b>WATER PRODUCED AND PURCHASED</b>	
2	Water Produced	
3	Water Purchased	52,066,500
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>52,066,500</b>
5		
6	<b>WATER SALES</b>	
7	Residential	25,896,950
8	Commercial	1,177,200
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	619,900
12	Public Authorities	
13	Other Sales (explain)	
14	<b>TOTAL WATER SALES</b>	<b>27,694,050</b>
15		
16	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	
18	Wastewater Plant	
19	System Flushing	6,126,000
20	Fire Department	23,700
21	Other Usage (explain) COMPLIANCE FLUSHING	8,445,378
22	<b>TOTAL OTHER WATER USED</b>	<b>14,595,078</b>
23		
24	<b>WATER LOSS</b>	
25	Tank Overflows	
26	Line Breaks	6,756,440
27	Line Leaks	3,020,932
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	<b>TOTAL WATER LOSS</b>	<b>9,777,372</b>
32		
33	<b>Note: Line 14 + Line 22 + Line 31 MUST Equal Line 4</b>	
34		
35	<b>WATER LOSS PERCENTAGE</b>	
36	(Line 31 divided by Line 4)	18.78%

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility:

For the Month of:  Year:

LINE #	ITEM	GALLONS (Omit 000's)
1	<b>WATER PRODUCED AND PURCHASED</b>	
2	Water Produced	
3	Water Purchased	42,911,100
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>42,911,100</b>
5		
6	<b>WATER SALES</b>	
7	Residential	22,143,110
8	Commercial	988,020
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	563,600
12	Public Authorities	
13	Other Sales (explain)	
14	<b>TOTAL WATER SALES</b>	<b>23,694,730</b>
15		
16	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	
18	Wastewater Plant	
19	System Flushing	4,402,200
20	Fire Department	1,400
21	Other Usage (explain) ( Compliance Flushing)	7,053,530
22	<b>TOTAL OTHER WATER USED</b>	<b>11,457,130</b>
23		
24	<b>WATER LOSS</b>	
25	Tank Overflows	
26	Line Breaks	4,756,550
27	Line Leaks	3,002,690
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	<b>TOTAL WATER LOSS</b>	<b>7,759,240</b>
32		
33	<b>Note: Line 14 + Line 22 + Line 31 MUST Equal Line 4</b>	
34		
35	<b>WATER LOSS PERCENTAGE</b>	
36	(Line 31 divided by Line 4)	18.08%

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility:

For the Month of:  Year:

LINE #	ITEM	GALLONS (Omit 000's)
1	<b>WATER PRODUCED AND PURCHASED</b>	
2	Water Produced	-
3	Water Purchased	583,095,200
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>583,095,200</b>
5		
6	<b>WATER SALES</b>	
7	Residential	290,747,386
8	Commercial	15,028,390
9	Industrial	-
10	Bulk Loading Stations	-
11	Wholesale	7,379,270
12	Public Authorities	-
13	Other Sales (explain)	-
14	<b>TOTAL WATER SALES</b>	<b>314,211,547</b>
15		
16	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	-
18	Wastewater Plant	
19	System Flushing	79,622,749
20	Fire Department	2,041,723
21	Other Usage (explain) (Compliance Flushing)	79,318,874
22	<b>TOTAL OTHER WATER USED</b>	<b>160,983,346</b>
23		
24	<b>WATER LOSS</b>	
25	Tank Overflows	-
26	Line Breaks	67,964,121
27	Line Leaks	41,415,777
28	Excavation Damages	
29	Theft	200,000
30	Other Loss	
31	<b>TOTAL WATER LOSS</b>	<b>109,579,898</b>
32		
33	<b>Note: Line 14 + Line 22 + Line 31 MUST Equal Line 4</b>	
34		
35	<b>WATER LOSS PERCENTAGE</b>	
36	(Line 31 divided by Line 4)	18.78%