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MAR 9 2017

Public Service
Commission

Scott Lisenbee
Attorney At Law
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March 7, 2017

Hon. John D. Parks, Commission Staff Attorney
Kentucky Public Service Commission
211 Sower Blvd.
P.O. Box 615
Frankfort, Kentucky 40602-0615

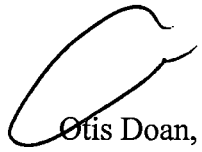
RE: My Client: Cawood Water District
Case No. : 2016-00328

Dear John:

This letter is in regards to the information requested at our telephonic conference on February 9, 2017. Pursuant to your request, please find enclosed a map of the area, that shows our line distributions in Dr. Damaa's community.

Further, since the filing of the complaint we have had a change in management. Mr. Pete Dean who was our Superintendent for a number of years and the Cawood Water District Board had a disagreement as to the course that the Cawood Water District should take in regards to future matters. Mr. Pete Dean has resigned and is no longer employed by the Board. Mr. Chris McClain is now the new manager of the Cawood Water District. I am enclosing a copy of the map, a copy of the report spelling out the desire to the Board. Further, I am attaching a copy of the monthly line loss for 2016. The reports concerning the line break logs are now provided to the Board at each Board meeting. They began this practice in January, 2017. Mr. McClain will making monthly reports to the Board concerning line breaks and the amount of leakage. I am also enclosing a report explaining the leaks and the action taken by the employees of the Board in regards to those leaks. Should you have any questions or comments, please feel free to contact me.

Sincerely,



Otis Doan, Jr.

Cc: Dr. Georges Damaa
386 Ready Mix Road
Harlan, Kentucky 40831

Lana Pace,
Finance Manager
Cawood Water District
P.O. Box 429
Cawood, Kentucky 40815

LINE BREAK LOGBOOK

*Required by 401 KAR 8:150, Section 4(2)

*DATE	12-20-16
*LOCATION OF BREAK	Comp Care
*TIME IT WAS DISCOVERED	11:00
*POPULATION AFFECTED	1
*LENGTH OF TIME TO REPAIR	6 hours
*DATE & TIME CL2 RESIDUALS DETECTED	
*DATE & TIME BACT SAMPLES TAKEN	
TURNED WATER OFF (yes or no)	yes
BWA REQUIRED (yes or no)	yes
OTHER COMMENTS	Blow off came off line

*DATE	1-3-17
*LOCATION OF BREAK	Mary Alice
*TIME IT WAS DISCOVERED	02:00
*POPULATION AFFECTED	337
*LENGTH OF TIME TO REPAIR	7 hours
*DATE & TIME CL2 RESIDUALS DETECTED **	
*DATE & TIME BACT SAMPLES TAKEN	1-10-2017
TURNED WATER OFF (yes or no)	yes
BWA REQUIRED (yes or no)	yes
OTHER COMMENTS	Had to Jack Hammer

LINE BREAK LOGBOOK

*Required by 401 KAR 8:150, Section 4(2)

*DATE	1-25-17
*LOCATION OF BREAK	Bobs Creek
*TIME IT WAS DISCOVERED	06:00
*POPULATION AFFECTED	400 est
*LENGTH OF TIME TO REPAIR	5 hours
*DATE & TIME CL2 RESIDUALS DETECTED	9-31-17
*DATE & TIME BACT SAMPLES TAKEN	1-31-17
TURNED WATER OFF (yes or no)	yes
BWA REQUIRED (yes or no)	yes
OTHER COMMENTS	

*DATE	
*LOCATION OF BREAK	
*TIME IT WAS DISCOVERED	
*POPULATION AFFECTED	
*LENGTH OF TIME TO REPAIR	
*DATE & TIME CL2 RESIDUALS DETECTED **	
*DATE & TIME BACT SAMPLES TAKEN	
TURNED WATER OFF (yes or no)	
BWA REQUIRED (yes or no)	
OTHER COMMENTS	

8/1/2016 8" MAIN LINE CHEVROLET

Very deep, took long time took approximately 16' deep and under rock, location and repair took 12 hours then boil water for 72 hours.

8/13/2016 8" MAIN BOB'S CREEK

3 hours Sat. 7:30am – 11:00am no boil water able to fix "hot" only affected highest elevated customers

10/10/2016 8" MAIN BOB'S CREEK

6 hours plus boil water, had to jack hammer rock all around cliff line, affected customers from Cawood to Grays Knob.

11/21/2016 8" MAIN LINE FROM TANK CAWOOD

10:30am – 4:00pm plus boil water, fire hydrant ran over by automobile, affected Cawood to end of system line

11/28/2016 2" LINE GRAYS KNOB

PRV burst, affected 1 customer (a business), off for 2 days had to order parts ordered in on rush

12/4/2016 8" MAIN WAMPUS CREEK

Split in line pipe approximately 12 ft. long, water loss to approx 60 customers for 4 hours and boil water to customers from Wampus Creek to end of line

Monthly Water Use Report

Utility: **CAWOOD WATER DISTRICT** PWSID: **ky0480565**
 the Month of: **jan** Year: **2016**

1 PRODUCTION COST PER THOUSAND
 2 PURCHASE COST PER THOUSAND (insert cost) **\$2.75**

		GALLONS	
3	WATER PRODUCED or PURCHASED	12,658,466	100%
	Water Produced	0	0%
4	Water Purchased		
	TOTAL PRODUCED AND PURCHASED	12,658,466	
5	TOTAL COST		#VALUE!

WATER SOLD			
7	Residential	6,206,484	
8	Commercial	0	
9	Industrial	0	
10	Bulk Loading Stations	0	
11	Wholesale	0	
12	Other Sales (explain)		
	TOTAL WATER SOLD	6,206,484	49.03%
13	TOTAL WATER NOT SOLD	6,451,982	50.97%

BREAKDOWN OF WATER USAGE			
15	Water Treatment Plant	85,000	
16	Wastewater Treatment Plant		
17	System Flushing	24,360	
18	Fire Department Usage	150	
19	Other Usage (explain)		
	TOTAL USAGE	109,510	
20	WATER LOSS PERCENTAGE FOR RATE PURPOSES		50.10%

BREAKDOWN OF WATER LOST			
22	Tank Overflows	381,398	
23	Excavation Breaks	2,719,759	
24	Repaired Line Breaks	3,241,315	25.61%
25	Unknown Loss		
	TOTAL WATER NOT SOLD OR USED	6,342,472	
26	COST OF WATER NOT SOLD OR USED		#VALUE!

"UNKNOWN LOSS" FLOW RATE AND COST:			
28	"Unknown Loss"	3,241,315	
29	% "Unknown Loss"	25.61%	
30	Number of Days in Period	30	
31	"Unknown Loss" per Day (Gallons per Day)	108,044	
32	"Unknown Loss" per Minute (GPM)	75.03	
33	"Unknown Loss" Cost for Month		#VALUE!



Monthly Water Use Report

Water Utility: cawood water PWSID: 480565

For the Month of: feb Year: 2016

1 PRODUCTION COST PER THOUSAND (insert cost)
 2 PURCHASE COST PER THOUSAND \$2.75

GALLONS

WATER PRODUCED or PURCHASED			
3	Water Produced		12,080,965
4	Water Purchased	\$0.00	0
5	TOTAL PRODUCED AND PURCHASED		12,080,965
6	TOTAL COST #VALUE!		

100%
0%

WATER SOLD

7	Residential		4,677,626
8	Commercial		0
9	Industrial		0
10	Bulk Loading Stations		0
11	Wholesale		0
12	Other Sales (explain)		0

13 **TOTAL WATER SOLD** 4,677,626 38.72%
 14 **TOTAL WATER NOT SOLD** 7,403,339 61.28%

BREAKDOWN OF WATER USAGE

15	Water Treatment Plant		65,280
16	Wastewater Treatment Plant		0
17	System Flushing		21,000
18	Fire Department Usage		350
19	Other Usage (explain)		0

20 **TOTAL USAGE** 86,630

21 **WATER LOSS PERCENTAGE FOR RATE PURPOSES** 60.56%

BREAKDOWN OF WATER LOST

22	Tank Overflows		0
23	Excavation Breaks		0
24	Repaired Line Breaks		2,030,000
25	Unknown Loss		5,286,709

43.76%

26 **TOTAL WATER NOT SOLD OR USED** 7,316,709
 27 **COST OF WATER NOT SOLD OR USED** #VALUE!

"UNKNOWN LOSS" FLOW RATE AND COST:

28	"Unknown Loss"		5,286,709
29	% "Unknown Loss"		43.76%
30	Number of Days in Period		29
31	"Unknown Loss" per Day (Gallons per Day)		182,300
32	"Unknown Loss" per Minute (GPM)		126.60
33	"Unknown Loss" Cost for Month		#VALUE!

Monthly Water Use Report

Utility: **CAWOOD WATER DISTRICT** PWSID: **ky0480565**

the Month of: **march** Year: **2016**

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

	\$2.75
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GALLONS

WATER PRODUCED or PURCHASED			
3	Water Produced	12,599,226	100%
4	Water Purchased	0	0%
5	TOTAL PRODUCED AND PURCHASED	12,599,226	
6	TOTAL COST #VALUE!		

WATER SOLD

7	Residential	6,216,908	
8	Commercial	0	
9	Industrial	0	
10	Bulk Loading Stations	0	
11	Wholesale	0	
12	Other Sales (explain)	0	
13	TOTAL WATER SOLD	6,216,908	49.34%
14	TOTAL WATER NOT SOLD	6,382,318	50.66%

BREAKDOWN OF WATER USAGE

15	Water Treatment Plant	0	
16	Wastewater Treatment Plant		
17	System Flushing	24,429	
18	Fire Department Usage	350	
19	Other Usage (explain)		

TOTAL USAGE 24,779

WATER LOSS PERCENTAGE FOR RATE PURPOSES 50.46%

BREAKDOWN OF WATER LOST

22	Tank Overflows	0	
23	Excavation Breaks	2,341	
24	Repaired Line Breaks	3,306,493	
25	Unknown Loss	3,048,705	24.20%

TOTAL WATER NOT SOLD OR USED 6,357,539
COST OF WATER NOT SOLD OR USED #VALUE!

"UNKNOWN LOSS" FLOW RATE AND COST:

28	"Unknown Loss"	3,048,705	
29	% "Unknown Loss"	24.20%	
30	Number of Days in Period	31	
31	"Unknown Loss" per Day (Gallons per Day)	98,345	
32	"Unknown Loss" per Minute (GPM)	68.30	
33	"Unknown Loss" Cost for Month	#VALUE!	

Monthly Water Use Report

Water Utility: cawood water PWSID: 480565

For the Month of: april Year: 2016

1 PRODUCTION COST PER THOUSAND
 2 PURCHASE COST PER THOUSAND (insert cost) \$2.75

WATER PRODUCED or PURCHASED		GALLONS	
3	Water Produced	11,856,185	100%
4	Water Purchased	\$0.00	
5		0	0%
6	TOTAL PRODUCED AND PURCHASED	11,856,185	
	TOTAL COST #VALUE!		

WATER SOLD			
7	Residential	5,339,625	
8	Commercial	0	
9	Industrial	0	
10	Bulk Loading Stations	0	
11	Wholesale	0	
12	Other Sales (explain)	0	
13	TOTAL WATER SOLD	5,339,625	45.04%
14	TOTAL WATER NOT SOLD	6,516,560	54.96%

BREAKDOWN OF WATER USAGE		
15	Water Treatment Plant	75,000
16	Wastewater Treatment Plant	
17	System Flushing	
18	Fire Department Usage	55,180
19	Other Usage (explain)	28,500
20	TOTAL USAGE	158,680

BREAKDOWN OF WATER LOST			
22	Tank Overflows	45,000	
23	Excavation Breaks	63,879	
24	Repaired Line Breaks	3,376,313	
25	Unknown Loss	2,872,688	24.23%
26	TOTAL WATER NOT SOLD OR USED	6,357,880	
27	COST OF WATER NOT SOLD OR USED	#VALUE!	

"UNKNOWN LOSS" FLOW RATE AND COST:		
28	"Unknown Loss"	2,872,688
29	% "Unknown Loss"	24.23%
30	Number of Days in Period	30
31	"Unknown Loss" per Day (Gallons per Day)	95,756
32	"Unknown Loss" per Minute (GPM)	66.50
33	"Unknown Loss" Cost for Month	#VALUE!

Monthly Water Use Report

Water Utility: **CAWOOD WATER DISTRICT/PATHFORK** PWSID: **ky0480565**

For the Month of: **may** Year: **2016**

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

GALLONS

WATER PRODUCED or PURCHASED			
3	Water Produced		12,134,662
4	Water Purchased	\$0.00	0
5	TOTAL PRODUCED AND PURCHASED		12,134,662
6	TOTAL COST #VALUE!		

WATER SOLD			
7	Residential		5,414,965
8	Commercial		0
9	Industrial		0
10	Bulk Loading Stations		0
11	Wholesale		0
12	Other Sales (explain)		0
13	TOTAL WATER SOLD		5,414,965 44.62%
14	TOTAL WATER NOT SOLD		6,719,697 55.38%

BREAKDOWN OF WATER USAGE			
15	Water Treatment Plant		584,105
16	Wastewater Treatment Plant		
17	System Flushing		245,390
18	Fire Department Usage		350
19	Other Usage (explain)		
20	TOTAL USAGE		829,845
21	WATER LOSS PERCENTAGE FOR RATE PURPOSES		48.54%

BREAKDOWN OF WATER LOST			
22	Tank Overflows		380,000
23	Excavation Breaks		0
24	Repaired Line Breaks		315,049
25	Unknown Loss		5,194,803 42.81%
26	TOTAL WATER NOT SOLD OR USED		5,889,852
27	COST OF WATER NOT SOLD OR USED		#VALUE!

"UNKNOWN LOSS" FLOW RATE AND COST:			
28	"Unknown Loss"		5,194,803
29	% "Unknown Loss"		42.81%
30	Number of Days in Period		31
31	"Unknown Loss" per Day (Gallons per Day)		167,574
32	"Unknown Loss" per Minute (GPM)		116.37
33	"Unknown Loss" Cost for Month		#VALUE!

Monthly Water Use Report

Water-Utility:

cawood water

PWSID: **480565**

For the Month of:

june

Year: **2016**

- 1 PRODUCTION COST PER THOUSAND
- 2 PURCHASE COST PER THOUSAND

(insert cost)

GALLONS

WATER PRODUCED or PURCHASED

3	Water Produced		11,731,721	100%
4	Water Purchased	\$0.00	0	0%
5	TOTAL PRODUCED AND PURCHASED		11,731,721	
6	TOTAL COST #VALUE!			

WATER SOLD

7	Residential		6,692,858	
8	Commercial		0	
9	Industrial		0	
10	Bulk Loading Stations		0	
11	Wholesale		0	
12	Other Sales (explain)		0	
13	TOTAL WATER SOLD		6,692,858	57.05%
14	TOTAL WATER NOT SOLD		5,038,863	42.95%

BREAKDOWN OF WATER USAGE

15	Water Treatment Plant		85,000	
16	Wastewater Treatment Plant		0	
17	System Flushing		15,000	
18	Fire Department Usage		350	
19	Other Usage (explain)		0	
20	TOTAL USAGE		100,350	

WATER LOSS PERCENTAGE FOR RATE PURPOSES 42.10%

BREAKDOWN OF WATER LOST

22	Tank Overflows		0	
23	Excavation Breaks		0	
24	Repaired Line Breaks		250,000	
25	Unknown Loss		4,688,513	39.96%
26	TOTAL WATER NOT SOLD OR USED		4,938,513	
27	COST OF WATER NOT SOLD OR USED		#VALUE!	

"UNKNOWN LOSS" FLOW RATE AND COST:

28	"Unknown Loss"		4,688,513	
29	% "Unknown Loss"		39.96%	
30	Number of Days in Period		30	
31	"Unknown Loss" per Day (Gallons per Day)		156,284	
32	"Unknown Loss" per Minute (GPM)		108.53	
33	"Unknown Loss" Cost for Month		#VALUE!	

Monthly Water Use Report

Water Utility: cawood water PWSID: 480565

For the Month of: july Year: 2016

1 PRODUCTION COST PER THOUSAND
 2 PURCHASE COST PER THOUSAND (insert cost) \$2.75

WATER PRODUCED or PURCHASED

GALLONS

3	Water Produced		11,376,033	
4	Water Purchased	\$0.00	0	100%
5	TOTAL PRODUCED AND PURCHASED		11,376,033	0%
6	TOTAL COST #VALUE!			

WATER SOLD

7	Residential		6,491,961
8	Commercial		0
9	Industrial		0
10	Bulk Loading Stations		0
11	Wholesale		0
12	Other Sales (explain)		0

13	TOTAL WATER SOLD		6,491,961	57.07%
14	TOTAL WATER NOT SOLD		4,884,072	42.93%

BREAKDOWN OF WATER USAGE

15	Water Treatment Plant		60,000
16	Wastewater Treatment Plant		0
17	System Flushing		25,000
18	Fire Department Usage		350
19	Other Usage (explain)		0

20	TOTAL USAGE		85,350
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WATER LOSS PERCENTAGE FOR RATE PURPOSES 42.18%

BREAKDOWN OF WATER LOST

22	Tank Overflows		0
23	Excavation Breaks		0
24	Repaired Line Breaks		15,000
25	Unknown Loss		4,783,722

26	TOTAL WATER NOT SOLD OR USED		4,798,722
27	COST OF WATER NOT SOLD OR USED		#VALUE!

"UNKNOWN LOSS" FLOW RATE AND COST:

28	"Unknown Loss"		4,783,722
29	% "Unknown Loss"		42.05%
30	Number of Days in Period		31
31	"Unknown Loss" per Day (Gallons per Day)		154,314
32	"Unknown Loss" per Minute (GPM)		107.16
33	"Unknown Loss" Cost for Month		#VALUE!

Monthly Water Use Report

Water Utility:

CAWOOD WATER DISTRICT/~~PAZMOR~~

PWSID: **ky0480565**

For the Month of:

aug

Year: **2016**

- 1 PRODUCTION COST PER THOUSAND
- 2 PURCHASE COST PER THOUSAND

(insert cost)
 (insert cost)

		GALLONS	
WATER PRODUCED or PURCHASED			
3	Water Produced	<input type="text" value="9,115,675"/>	83%
4	Water Purchased	<input type="text" value="1,839,000"/>	17%
5	TOTAL PRODUCED AND PURCHASED	10,954,675	
6	TOTAL COST #VALUE!		
WATER SOLD			
7	Residential	<input type="text" value="4,275,999"/>	
8	Commercial	<input type="text" value="0"/>	
9	Industrial	<input type="text" value="0"/>	
10	Bulk Loading Stations	<input type="text" value="0"/>	
11	Wholesale	<input type="text" value="0"/>	
12	Other Sales (explain)	<input type="text" value="0"/>	
13	TOTAL WATER SOLD	4,275,999	39.03%
14	TOTAL WATER NOT SOLD	6,678,676	60.97%

BREAKDOWN OF WATER USAGE

15	Water Treatment Plant	<input type="text"/>
16	Wastewater Treatment Plant	<input type="text"/>
17	System Flushing	<input type="text"/>
18	Fire Department Usage	<input type="text" value="637,927"/>
19	Other Usage (explain)	<input type="text" value="350"/>

20 **TOTAL USAGE** 638,277

21 **WATER LOSS PERCENTAGE FOR RATE PURPOSES**

BREAKDOWN OF WATER LOST

22	Tank Overflows	<input type="text"/>
23	Excavation Breaks	<input type="text"/>
24	Repaired Line Breaks	<input type="text" value="2,598,845"/>
25	Unknown Loss	<input type="text" value="3,441,554"/>

26 **TOTAL WATER NOT SOLD OR USED** 6,040,399

27 **COST OF WATER NOT SOLD OR USED** #VALUE!

"UNKNOWN LOSS" FLOW RATE AND COST:

28	"Unknown Loss"	3,441,554
29	% "Unknown Loss"	31.42%
30	Number of Days in Period	<input type="text" value="31"/>
31	"Unknown Loss" per Day (Gallons per Day)	111,018
32	"Unknown Loss" per Minute (GPM)	77.10
33	"Unknown Loss" Cost for Month	#VALUE!

Monthly Water Use Report

Water Utility: cawood water PWSID: ky0480565

For the Month of: sept Year: 2016

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

GALLONS

WATER PRODUCED or PURCHASED			
3	Water Produced	10,802,355	82%
4	Water Purchased	2,405,000	18%
5	TOTAL PRODUCED AND PURCHASED	13,207,355	
6	TOTAL COST #VALUE!		
WATER SOLD			
7	Residential	6,448,402	
8	Commercial	0	
9	Industrial	0	
10	Bulk Loading Stations	0	
11	Wholesale	0	
12	Other Sales (explain)	0	
13	TOTAL WATER SOLD	6,448,402	48.82%
14	TOTAL WATER NOT SOLD	6,758,953	51.18%

BREAKDOWN OF WATER USAGE

15	Water Treatment Plant	400,560	
16	Wastewater Treatment Plant		
17	System Flushing	364,000	
18	Fire Department Usage	350	
19	Other Usage (explain)		

20 **TOTAL USAGE** 764,910

21 **WATER LOSS PERCENTAGE FOR RATE PURPOSES** 45.38%

BREAKDOWN OF WATER LOST

22	Tank Overflows	 	
23	Excavation Breaks	0	
24	Repaired Line Breaks	796,270	
25	Unknown Loss	5,197,773	39.36%

26 **TOTAL WATER NOT SOLD OR USED** 5,994,043

27 **COST OF WATER NOT SOLD OR USED** #VALUE!

"UNKNOWN LOSS" FLOW RATE AND COST:

28	"Unknown Loss"	5,197,773	
29	% "Unknown Loss"	39.36%	
30	Number of Days in Period	30	
31	"Unknown Loss" per Day (Gallons per Day)	173,259	
32	"Unknown Loss" per Minute (GPM)	120.32	
33	"Unknown Loss" Cost for Month	#VALUE!	

Monthly Water Use Report

Water Utility: cawood water PWSID: 480565

For the Month of: oct Year: 2016

1 PRODUCTION COST PER THOUSAND (insert cost)
 2 PURCHASE COST PER THOUSAND \$2.75

GALLONS

WATER PRODUCED or PURCHASED			
3	Water Produced		12,163,511
4	Water Purchased	\$0.00	0
5	TOTAL PRODUCED AND PURCHASED		12,163,511
6	TOTAL COST #VALUE!		

WATER SOLD			
7	Residential		5,113,366
8	Commercial		0
9	Industrial		0
10	Bulk Loading Stations		0
11	Wholesale		0
12	Other Sales (explain)		0
13	TOTAL WATER SOLD		5,113,366 42.04%
14	TOTAL WATER NOT SOLD		7,050,145 57.96%

BREAKDOWN OF WATER USAGE			
15	Water Treatment Plant		25,250
16	Wastewater Treatment Plant		
17	System Flushing		10,000
18	Fire Department Usage		350
19	Other Usage (explain)		
20	TOTAL USAGE		35,600
21	WATER LOSS PERCENTAGE FOR RATE PURPOSES		57.67%

BREAKDOWN OF WATER LOST			
22	Tank Overflows		0
23	Excavation Breaks		0
24	Repaired Line Breaks		35,000
25	Unknown Loss		6,979,545 57.38%
26	TOTAL WATER NOT SOLD OR USED		7,014,545
27	COST OF WATER NOT SOLD OR USED		#VALUE!

"UNKNOWN LOSS" FLOW RATE AND COST:			
28	"Unknown Loss"		6,979,545
29	% "Unknown Loss"		57.38%
30	Number of Days in Period		31
31	"Unknown Loss" per Day (Gallons per Day)		225,147
32	"Unknown Loss" per Minute (GPM)		156.35
33	"Unknown Loss" Cost for Month		#VALUE!

Monthly Water Use Report

Water Utility: CAWOOD WATER DISTRICT PWSID: ky0480565

For the Month of: nov Year: 2016

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

GALLONS

WATER PRODUCED or PURCHASED			
3	Water Produced	11,667,372	99%
4	Water Purchased	130,000	1%
5	TOTAL PRODUCED AND PURCHASED	11,797,372	
6	TOTAL COST #VALUE!		

WATER SOLD			
7	Residential	6,287,050	
8	Commercial		
9	Industrial		
10	Bulk Loading Stations		
11	Wholesale		
12	Other Sales (explain)		
13	TOTAL WATER SOLD	6,287,050	53.29%
14	TOTAL WATER NOT SOLD	5,510,322	46.71%

BREAKDOWN OF WATER USAGE			
15	Water Treatment Plant		
16	Wastewater Treatment Plant		
17	System Flushing	23,610	
18	Fire Department Usage	350	
19	Other Usage (explain)		
20	TOTAL USAGE	23,960	
21	WATER LOSS PERCENTAGE FOR RATE PURPOSES		46.50%

BREAKDOWN OF WATER LOST			
22	Tank Overflows		
23	Excavation Breaks		
24	Repaired Line Breaks	2,106,306	
25	Unknown Loss	3,380,056	28.65%
26	TOTAL WATER NOT SOLD OR USED	5,486,362	
27	COST OF WATER NOT SOLD OR USED	#VALUE!	

"UNKNOWN LOSS" FLOW RATE AND COST:			
28	"Unknown Loss"	3,380,056	
29	% "Unknown Loss"	28.65%	
30	Number of Days in Period	30	
31	"Unknown Loss" per Day (Gallons per Day)	112,669	
32	"Unknown Loss" per Minute (GPM)	78.24	
33	"Unknown Loss" Cost for Month	#VALUE!	

Monthly Water Use Report

Water Utility:

cawood water

PWSID: **ky0480565**

For the Month of:

dec

Year: **2016**

- 1 PRODUCTION COST PER THOUSAND
- 2 PURCHASE COST PER THOUSAND

(insert cost) \$2.75

WATER PRODUCED or PURCHASED

GALLONS

3	Water Produced		12,443,396	
4	Water Purchased	\$9,377.50	3,410,000	78%
5	TOTAL PRODUCED AND PURCHASED		15,853,396	22%
6	TOTAL COST #VALUE!			

WATER SOLD

7	Residential		6,820,743	
8	Commercial		0	
9	Industrial		0	
10	Bulk Loading Stations		0	
11	Wholesale		0	
12	Other Sales (explain)		0	
13	TOTAL WATER SOLD		6,820,743	43.02%
14	TOTAL WATER NOT SOLD		9,032,653	56.98%

BREAKDOWN OF WATER USAGE

15	Water Treatment Plant		0	
16	Wastewater Treatment Plant		0	
17	System Flushing		60,000	
18	Fire Department Usage		350	
19	Other Usage (explain)		0	
20	TOTAL USAGE		60,350	

WATER LOSS PERCENTAGE FOR RATE PURPOSES **56.60%**

BREAKDOWN OF WATER LOST

22	Tank Overflows		0	
23	Excavation Breaks		0	
24	Repaired Line Breaks		3,740,612	
25	Unknown Loss		5,231,691	33.00%
26	TOTAL WATER NOT SOLD OR USED		8,972,303	
27	COST OF WATER NOT SOLD OR USED		#VALUE!	

"UNKNOWN LOSS" FLOW RATE AND COST:

28	"Unknown Loss"		5,231,691	
29	% "Unknown Loss"		33.00%	
30	Number of Days in Period		31	
31	"Unknown Loss" per Day (Gallons per Day)		168,764	
32	"Unknown Loss" per Minute (GPM)		117.20	
33	"Unknown Loss" Cost for Month		#VALUE!	