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SEP 14 2017

PUBLIC SERVICE
COMMISSION

McKinney Water District
2900 KY HWY 198
PO BOX 7
McKinney, Ky. 40448
606-346-2220

Assn72dist65@newwavecomm.net

September 12, 2017

RE: WATER LOSS PWA CASE # 2017-00310

John Lynn
Public Service Commission
PO Box 615
Frankfort, Ky. 40602-0615

Dear Mr. Lynn,

This letter is in regards to the Commission's notes concerning the water loss when we applied for a Purchased Water Adjustment in July, 2017.

I am enclosing our latest water loss reports and wanted to explain to you the reason behind the high loss for the months of March, April and May of 2017.

The District has three purchase master meters with the City of Stanford Waterworks. Our main meter which we refer to as the "Ballpark" meter completely stopped working and showed no usage for the months previously mentioned. The City of Stanford estimated these bills and due to the District having no significant leaks during this time we feel they were way overestimated. We have brought this to their attention several times concerning the amount the District has paid for these gallons and have requested them to refund a part of the cost. As of now they have not agreed to do so. The Lincoln County Judge Executive, James Adams, is also working with us on this.

Of course, this master meter has been replaced with a new one now and you can see how the water loss improved. We just wanted to bring this to your attention and inform you we are concerned about our water loss and the District's employees work hard to keep the loss as low as they possibly can.

If you have any questions please call the office at 606-346-2220.

Sincerely,

A handwritten signature in blue ink, appearing to read "Les Gooch". The signature is written in a cursive style with a large initial "L".

LES GOOCH
CHAIRMAN

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility:

MCKINNEY WATER DISTRICT

For the Month of:

August

Year:

2017

LINE #	ITEM	GALLONS (Omit 000's)
1	WATER PRODUCED, PURCHASED & DISTRIBUTED	
2	Water Produced	
3	Water Purchased	10,862
4	TOTAL PRODUCED AND PURCHASED	10,862
5		
6	WATER SALES	
7	Residential	8,832
8	Commercial	
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Other Sales	
13	TOTAL WATER SALES	8,832
14		
15	OTHER WATER USED	
16	Utility and/or Water Treatment Plant	
17	Wastewater Plant	
18	System Flushing	64
19	Fire Department	32
20	Other	
21	TOTAL OTHER WATER USED	96
22		
23	WATER LOSS	
24	Tank Overflows	
25	Line Breaks	
26	Line Leaks	
27	Other	1,934
	IDENTIFY OTHER LOSS	
28	TOTAL LINE LOSS	1,934
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)	17.8%

PUBLIC SERVICE COMMISSION

Annual Water Loss Summary

Water Utility:

MCKINNEY WATER DISTRICT

For the Year:

2017

MONTH	WATER LOSS %
JANUARY	20.9
FEBRUARY	24.5
MARCH	32.2
APRIL	37.8
MAY	44.6
JUNE	12.0
JULY	19.5
AUGUST	17.8
SEPTEMBER	#DIV/0!
OCTOBER	#DIV/0!
NOVEMBER	#DIV/0!
DECEMBER	#DIV/0!
TOTAL ANNUAL WATER LOSS %	27.5

The highest water loss was #DIV/0! and occurred in the month of #DIV/0!

The lowest water loss was #DIV/0! and occurred in the month of #DIV/0!

LEGEND

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

	<u>Water</u>	<u>Loss</u>	<u>Per</u>	<u>Master</u>	<u>Meter</u>		
2017							
	Ball park	Neals Cr	Rowland		Otten	GREASY RDG	SKYLINE
Month	% loss						
Jan	23%	31%	1%		12%	1%	22%
Feb	27%	36%	5%		15%	7%	8%
Mar	43%	29%	8%		13%	1%	1%
Apr	50%	33%	12%		0%	2%	6%
May	60%	3%	8%		4%	3%	1%
June	16%	36%	4%		10%	0%	0%
July	24%	27%	6%		15%	3%	4%
Aug	19%	37%	7%		9%	0%	1%
Sept	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!
Oct	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!
Nov	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!
Dec	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!
AVG	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!

Year to date bought and sold		2017				
GALLONS						TOTAL
Month	BOUGHT		SOLD		LOSS	PERCENT
JAN	7,996,800		6,298,600		1,698,200	21%
FEB	8,367,400		6,288,700		2,078,700	25%
MAR	10,345,800		6,927,500		3,418,300	33%
APR	11,987,900		7,325,700		4,662,200	39%
MAY	14,331,900		7,894,100		6,437,800	45%
JUNE	9,985,700		8,755,400		1,230,300	12%
JULY	9,886,600		7,801,700		2,084,900	21%
AUG	10,862,400		8,832,300		2,030,100	19%
SEPT	0		0		0	#DIV/0!
OCT	0		0		0	#DIV/0!
NOV	0		0		0	#DIV/0!
DEC	0		0		0	#DIV/0!
YEAR TO DATE	83,764,500		60,124,000		23,640,500	28%

**McKinney Water District
Water Loss Chart
SEPT 16 - AUG 17**

MONTH	Gallons of Water					
	Purchased	Sold	Other Used	Gallons Loss	Percent Loss	
September-16	10,947,000	7,687,000	228,000	3,032,000	27.7%	
October-16	9,697,000	7,481,000	100,000	2,116,000	21.8%	
November-16	9,078,000	6,928,000	190,000	1,960,000	21.6%	
December-17	8,964,000	7,263,000	103,000	1,598,000	17.8%	
January-17	7,997,000	6,299,000	25,000	1,673,000	20.9%	
February-17	8,367,000	6,289,000	25,000	2,053,000	24.5%	
March-17	10,345,000	6,927,000	85,000	3,333,000	32.2%	
April-17	11,987,000	7,325,000	135,000	4,527,000	37.8%	
May-17	14,331,000	7,894,000	42,000	6,395,000	44.6%	
June-17	9,985,700	8,755,400	29,000	1,201,000	12.0%	
July-17	9,886,000	7,801,000	16,100	1,924,000	20.9%	
August-17	10,862,000	8,832,000	96,000	1,934,000	17.8%	
<u>Year</u>	<u>TOTAL</u>	<u>122,446,700</u>	<u>89,481,400</u>	<u>1,074,100</u>	<u>31,746,000</u>	<u>25.0% (average)</u>

McKinney Water District
WATER LOSS COST
Sept 16 - Aug 17

MONTH	PAID	Water Loss Cost	Water Loss %
2016 September	\$32,900.93	\$9,113.56	27.7%
2016 October	\$29,308.77	\$6,389.31	21.8%
2016 November	\$31,430.02	\$6,788.88	21.6%
2016 DECEMBER	\$26,221.88	\$4,667.49	17.8%
2017 January	\$26,943.61	\$5,631.21	20.9%
2017 February	\$34,136.43	\$8,363.43	24.5%
2017 March	\$37,430.34	\$12,052.57	32.2%
2017 April	\$35,225.43	\$13,315.21	37.8%
2017 MAY	\$35,895.60	\$16,009.44	44.6%
2017 June	\$27,685.45	\$3,322.25	12.0%
2017 July	\$33,965.66	\$6,623.30	19.5%
2017 August	\$33,382.10	\$5,942.01	17.8%
<u>TOTAL</u>	<u>LOSS</u>	<u>\$98,218.68</u>	

YEARLY WATER LOSS AVERAGE

16-Sep	27.7
16-Oct	21.8
16-Nov	21.6
16-Dec	17.8
17-Jan	20.9
17-Feb	24.5
17-Mar	32.2
17-Apr	37.8
17-May	44.6
17-Jun	12.0
17-Jul	19.5
17-Aug	17.8

AVG **24.9**