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CHARLES S. MUSSON
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October 23, 2020

Mr. Kent Chandler, Acting Executive Director
Kentucky Public Service Commission
P.O. Box 615
Frankfort, Kentucky 40602

Re: **Western Pulaski County Water District - Case No. 2020-00119**

Dear Director Chandler:


In accordance with Ordering paragraph No. 6 of the July 2, 2020 Order in the above referenced case, attached please find the request of Western Pulaski County Water District to the City of Somerset regarding annual testing of the master meters as well as the results of said requested testing.

In accordance with the Electronic Emergency Docket Related to the Novel Coronavirus Order in Case No. 2020-00085, the paper documents will be mailed to the Commission within 30 days after the Governor lifts the current state of emergency.

Thank you for your assistance and if you need any additional information or documentation, please let us know.

Sincerely,

Rubin & Hays

By 
W. Randall Jones

WRJ:jl
Enclosures

WESTERN PULASKI COUNTY WATER DISTRICT

July 17, 2020

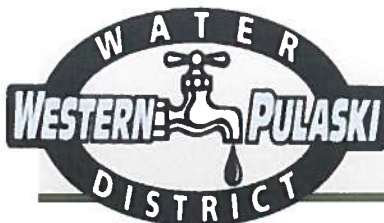
Dana Whitis
Water and Wastewater Manager
City of Somerset

The Western Pulaski County Water District is requesting the four master meters used for purchase owned by the city of Somerset be tested for the Year of 2020. Please provide any test results for the year 2019 as well, the district would like this to be an ongoing request annually for the district to remain in compliance with the Public Service Commission as well as the Division of Water. Thank you for your cooperation.

If you have any questions please feel free to contact me, Joe McClendon at (606) 679-1569, (606)271-6256 cell or via email at joe-mcclendon@hotmail.com.

Sincerely,

Joe McClendon
General Manager
Western Pulaski County Water District.



2128 West Hwy. 80
Somerset, KY 42503
Pulaski County

PHONE (606) 679-1569
FAX (606) 677-9449
EMAIL joe-mcclendon@hotmail.com

6" NEPTUNE T-8
 Failed test - waiting
 on order's

Service Location: W. Itabolo Beginning Read: High: 445934882 Low: 529689.70
 Date: 7-30-20 Final Read: High: _____ Low: _____

1)
 Gallons @ 2 gallons per minute. LOW flow. Ran 10 gallons total.

	High Side Reading	Low Side Reading	
Finish:		<u>529699.82</u>	101.2%
Start:	<u>445934882</u>	<u>529689.70</u>	
Total	<u>0</u>	<u>10.12</u>	

$$\text{corr. } \frac{10.12}{10} = 1.012 \times 101.1 = 102.3132$$

Corrected Percentage: 102.31%

2)
 Gallons @ 5 gallons per minute. MEDIUM flow. Ran 10 gallons total.

	High Side Reading	Low Side Reading	
Finish:		<u>529710.01</u>	101.9%
Start:	_____	<u>529699.82</u>	
Total	<u>0</u>	<u>10.19</u>	

$$\text{corr } \frac{10.19}{10} = 1.019 \times 100.8 = 102.7152$$

Corrected Percentage: 102.72%

3)
 Gallons @ 10 gallons per minute. HIGH flow. Ran 10 gallons total.

	High Side Reading	Low Side Reading	
Finish:		<u>529720.10</u>	100.9%
Start:	_____	<u>529710.01</u>	
Total	<u>0</u>	<u>10.09</u>	

$$\text{corr } \frac{10.09}{10} = 1.009 \times 100.6 = 101.5054$$

Corrected Percentage: 101.50

Total Percentage for Low Side Test: 101.33% Total Correct Percentage: 102.18%

Tester: Doug Munking

Remarks: Disassembled meter -

Found than seal between Hi side
 & Low side is leaking - If being a T-
 meter it will have to be replaced.

Ran our 1st test @ 450 GPM - 1000 Gall Total
Tested @ 109.1% - Adjusted meter as low
as I could. Here are the results

1)
Gallons @ 450 gallons per minute. HIGH flow. Ran 1000 gallons total.

High Side Reading Low Side Reading

Finish: _____

Start: _____

Total 997 + 68.96 = 1065.96 106.6%

corrected $\frac{1065.96}{1000} = 1.06596 \times 98.6$

Corrected Percentage: 105.10%

2)
Gallons @ _____ gallons per minute. MEDIUM flow. Ran _____ gallons total.

High Side Reading Low Side Reading

Finish: _____

Start: _____

Total 965 + 112.93 = 1077.93 107.8%

corr $\frac{1077.93}{1000} \times 99 = 106.72$

Corrected Percentage: 106.72%

3)
Gallons @ _____ gallons per minute. LOW flow. Ran _____ gallons total.

High Side Reading Low Side Reading

Finish: _____

Start: _____

Total 683 + 380.82 = 1063.82 106.4%

corr. $\frac{1063.82}{1000} \times 101.2 = 107.658$

Corrected Percentage: 107.66%

Total Percentage for High Side test: 106.9%

total Hi side
corrected 106.49%

Tester: Jay Hedberg

4" NEPTUNE (Compound)

Service Location: Saxhill Beginning Read: High: 83690660.4 Low: 9715208.76
 Date: 7-29-20 Final Read: High: _____ Low: _____

1) Gallons @ 8 gallons per minute. LOW flow. Ran 10 gallons total.

	High Side Reading	Low Side Reading	
Finish:	<u>83690660.4</u>	<u>9715208.76</u>	99.2%
Start:	- " "	<u>9715218.68</u>	
Total	<u> </u>	<u> </u>	

corrected % $\frac{9.92}{10} = .992 \times 100.7 = 99.89$

Corrected Percentage: 99.89%

2) Gallons @ 5 gallons per minute. MEDIUM flow. Ran 10 gallons total.

	High Side Reading	Low Side Reading	
Finish:	<u>83690660.4</u>	<u>9715218.68</u>	99.3%
Start:	- " "	<u>9715228.61</u>	
Total	<u> </u>	<u> </u>	

cor. % $\frac{9.93}{10} = .993 \times 100.8 = 100.09$

Corrected Percentage: 100.09%

3) Gallons @ 2 gallons per minute. HIGH flow. Ran 10 gallons total.

	High Side Reading	Low Side Reading	
Finish:	<u>83690660.4</u>	<u>9715238.59</u>	99.8%
Start:	- " "	<u>9715228.61</u>	
Total	<u> </u>	<u> </u>	

cor. $\frac{9.98}{10} = .998 \times 101 = 100.80$

Corrected Percentage: 100.80%

Total Percentage for Low Side Test: 99.43% Total Correct Percentage: 100.76%

Tester: Jay Marking Remarks: Good Test

1)

Gallons @ 100 gallons per minute. HIGH flow. Ran 1000 gallons total.

	High Side Reading	Low Side Reading	
Finish:	83691600.9	9715309.27	101.12%
Start:	- 83690660.4	- 9715238.59	
Total	940.5	70.68 = 1011.18	

$$\text{corrected } \frac{1011.18}{1000} = 1.01118 \times 100.8 = 101.93$$

Corrected Percentage: 101.93%

2)

Gallons @ 450 ~~250~~ gallons per minute. MEDIUM flow. Ran 1000 gallons total.

	High Side Reading	Low Side Reading	
Finish:	83692600.3	9715316.50	100.66%
Start:	83691600.9	9715309.27	
Total	999.4	7.23 = 1006.63	

$$\text{cor. } \frac{1006.63}{1000} = 1.00663 \times 98.5 = 99.153$$

Corrected Percentage: 99.15%

3)

Gallons @ 250 gallons per minute. LOW flow. Ran 1000 gallons total.

	High Side Reading	Low Side Reading	
Finish:	83693581.1	9715336.21	100.05%
Start:	83692600.3	9715316.50	
Total	980.8	19.71 = 1000.51	

$$\text{cor. } \frac{1000.51}{1000} = 1.0005 \times 99.2 = 99.2506$$

Corrected Percentage: 99.25%

Total Percentage for High Side test: 100.61%

Total High side 100.11%
corrected

Tester: Ray Madley

4" NEPTUNE

Service Location: Pleasant Hill Beginning Read: High: 76575322.5 Low: 4270446.56
 Date: 7-30-20 Final Read: High: _____ Low: _____

1) Gallons @ 2 gallons per minute. LOW flow. Ran 10 gallons total.

	High Side Reading	Low Side Reading	
Finish:	<u>76575322.5</u>	<u>4270456.51</u>	99.5%
Start:	<u>" "</u>	<u>4270446.56</u>	
Total	<u>0</u>	<u>9.95</u>	

$$\text{corrected } \frac{9.95}{10} = .995 \times 101.1 = 100.594$$

Corrected Percentage: 100.59%

2) Gallons @ 5 gallons per minute. MEDIUM flow. Ran 10 gallons total.

	High Side Reading	Low Side Reading	
Finish:	<u>76575322.5</u>	<u>4270466.44</u>	99.3%
Start:	<u>" "</u>	<u>4270456.51</u>	
Total	<u>0</u>	<u>9.93</u>	

$$\text{cor. } \frac{9.93}{10} = .993 \times 100.8 = 100.094$$

Corrected Percentage: 100.10%

3) Gallons @ 10 gallons per minute. HIGH flow. Ran 10 gallons total.

	High Side Reading	Low Side Reading	
Finish:	<u>76575322.5</u>	<u>4270476.36</u>	99.2%
Start:	<u>" "</u>	<u>4270466.44</u>	
Total	<u>0</u>	<u>9.92</u>	

$$\text{cor. } \frac{9.92}{10} = .992 \times 100.6 = 99.795$$

Corrected Percentage: 99.80%

Total Percentage for Low Side Test: 99.33% Total Correct Percentage: 100.16%

Tester: Rory Hedberg Remarks: Good test

1)

Gallons @ 150 gallons per minute. HIGH flow. Ran 1000 gallons total.

	High Side Reading		Low Side Reading	
Finish:	76576219.8		4270592.39	
Start:	76575322.5		4270476.36	
Total	<u>897.3</u>	+	<u>116.03</u>	= 1013.33

101.3%

$$\text{corrected } \frac{1013.33}{1000} = 1.0133 \times 99.9 = 101.2317$$

Corrected Percentage: 101.23%

2)

Gallons @ 250 gallons per minute. MEDIUM flow. Ran 1000 gallons total.

	High Side Reading		Low Side Reading	
Finish:	76577178.9		4270647.17	
Start:	76576219.8		4270592.39	
Total	<u>959.1</u>	+	<u>54.78</u>	= 1013.88

101.4%

$$\text{cor. } \frac{1013.88}{1000} = 1.01388 \times 99.1 = 100.4755$$

Corrected Percentage: 100.48%

3)

Gallons @ 450 gallons per minute. LOW flow. Ran 1000 gallons total.

	High Side Reading		Low Side Reading	
Finish:	76578178.3		4270668.50	
Start:	76577178.9		4270647.17	
Total	<u>999.4</u>	+	<u>21.33</u>	= 1020.73

102.0%

$$\text{cor. } \frac{1020.73}{1000} = 1.02073 \times 98.5 = 100.5419$$

Corrected Percentage: 100.54%

Total Percentage for High Side test: 101.56%

Total Hi side 100.75%
corrected

Tester: Dave Melby

6" NEPTUNE

Service Location: Nancy Beginning Read: High: 582080 593 Low: 2367579.42
Date: 7-30-20 Final Read: High: _____ Low: _____

1) Gallons @ 2 gallons per minute. LOW flow. Ran 10 gallons total.

	High Side Reading	Low Side Reading	
Finish:	<u>582080 593</u>	<u>2367589.25</u>	98.3 ⁰ %
Start:	<u>" "</u>	<u>2367579.42</u>	
Total	<u>0</u>	<u>9.83</u>	

corrected $\frac{9.83}{10} = .983 \times 101.1 = 99.3813$

Corrected Percentage: 99.38%

2) Gallons @ 8 gallons per minute. MEDIUM flow. Ran 10 gallons total.

	High Side Reading	Low Side Reading	
Finish:	<u>582080 593</u>	<u>2367599.30</u>	100.5 ⁰ %
Start:	<u>" "</u>	<u>2367589.25</u>	
Total	<u>0</u>	<u>10.05</u>	

corr. $\frac{10.05}{10} = 1.005 \times 100.8 = 101.304$

Corrected Percentage: 101.30%

3) Gallons @ 15 gallons per minute. HIGH flow. Ran 10 gallons total.

	High Side Reading	Low Side Reading	
Finish:	<u>582080 593</u>	<u>2367609.32</u>	100.2 ⁰ %
Start:	<u>" "</u>	<u>2367599.30</u>	
Total	<u>0</u>	<u>10.02</u>	

corr. $\frac{10.02}{10} = 1.002 \times 100.4 = 100.6008$

Corrected Percentage: 100.60%

Total Percentage for Low Side Test: 99.67% Total Correct Percentage: 100.43%

Tester: Raf Muthing Remarks: Good Test

1) Gallons @ 75 gallons per minute. HIGH flow. Ran 1000 gallons total.

	High Side Reading	Low Side Reading	
Finish:	582081276	2367901.64	97.5%
Start:	582080593	2367609.32	
Total	683	292.32 = 975.32	

corrected $\frac{975.32}{1000} = .97532 \times 101.3 = 98.799916$

Corrected Percentage: 98.80%

2) Gallons @ 200 gallons per minute. MEDIUM flow. Ran 1000 gallons total.

	High Side Reading	Low Side Reading	
Finish:	582082209	2367962.67	99.4%
Start:	582081276	2367901.64	
Total	933	61.03 = 994.03	

cor. $\frac{994.03}{1000} = .99403 \times 99.5 = 98.905985$

Corrected Percentage: 98.91%

3) Gallons @ 400 gallons per minute. LOW flow. Ran 1000 gallons total.

	High Side Reading	Low Side Reading	
Finish:	582083174	2367989.68	99.2%
Start:	582082209	2367962.67	
Total	965	27.01 = 992.01	

cor. $\frac{992.01}{1000} = .99201 \times 98.6 = 97.812186$

Corrected Percentage: 97.81%

Total Percentage for High Side test: 98.7%

total H: side corrected 98.51%

Tester: _____