



Warren County  
Water District

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AUG - 5 2016

Public Service  
Commission

August 3, 2016

Mr. George Wakim  
Public Service Commission  
703 Schenkel Lane  
P.O. Box 615  
Frankfort, KY 40602

RE: Annual Sample Testing  
Warren County Water District, Simpson County Water District, Butler  
County Water System, Inc.  
PSC Case No. 2011-00220

Dear Mr. Wakim,

A random sample of 21 year old meters have been tested and found to be in conformance with accuracy levels of meters tested in PSC Case No. 2011-00220. The meters tested are Sensus SR11 meters, size 5/8". A comparison of the results are below.

Average meter accuracy of random sample group: 99.06%  
Average meter accuracy of Case No. 2011-00220 group: 98.61%

An excerpt from Case No. 2011-00220 stating that annual sample test results are to be submitted to the PSC is below:

Meter Testing of Sample Group Each Year

*To confirm that future meter accuracy trends conform to the data obtained in this study, a random sample of 21-year old meters will be tested each year. As with the current sample testing, the size of the sample will be calculated to provide a 95 percent confidence level that the average meter accuracy determined for the sample group would be plus or minus 1 percent of the actual average accuracy of all 21-year old meters. The results of these annual sample tests will be submitted to the PSC.*

Enclosed is a complete listing of the test results of the random sample. If you have any questions, please give me a call.

Sincerely,

Jeffrey B. Peeples  
Manager of Finance & Administration

Providing high-quality  
water and wastewater  
services to families and  
businesses throughout  
Warren County.

Delivering Quality  
and Commitment  
in Every Drop

**ANNUAL SAMPLE TESTS**  
**METER TESTING OF 21 YEAR OLD METERS**  
**WARREN, BUTLER, SIMPSON WATER DISTRICTS**  
Year 2016

SR11 5/8" Meter No.	Test Results			WAMA	Meets PSC Repaired Meter Stds.
	Low	Medium	High		
49620299	98.00	100.00	100.10	99.87	
49620339	96.00	100.00	99.50	99.69	
49620342	99.00	100.00	99.90	99.92	
49620344	99.00	100.00	100.10	99.94	
49620360	90.00	97.00	98.70	96.61	no
49620394	99.00	100.00	99.50	99.90	
49620405	96.00	99.00	99.40	98.81	
49620409	97.00	99.00	99.70	98.90	
49743494	98.00	99.00	100.00	98.99	
49743500	98.00	99.00	99.80	98.98	
49743511	94.00	99.00	99.60	98.68	
49743515	96.00	99.00	99.60	98.82	
49743520	97.00	99.00	99.70	98.90	
49743558	96.00	99.00	99.50	98.82	
49743584	98.00	100.00	99.50	99.83	
49743587	96.00	99.00	99.10	98.80	
49743592	95.00	99.00	99.60	98.75	
49743634	98.00	100.00	99.70	99.84	
50018874	97.00	99.00	99.40	98.88	
50018893	99.00	100.00	99.50	99.90	
50018903	95.00	99.00	99.00	98.72	
50018905	97.00	100.00	99.20	99.74	
50018919	95.00	100.00	99.40	99.61	
50018925	98.00	100.00	99.50	99.83	
50018929	95.00	100.00	99.10	99.60	
50018962	98.00	100.00	99.60	99.84	
50018976	98.00	99.00	99.30	98.95	
50018980	95.00	99.00	99.40	98.74	
50018984	85.00	96.00	97.50	95.32	no
50018989	99.00	100.00	99.30	99.89	
50019006	92.00	99.00	99.00	98.51	
50019010	94.00	99.00	99.30	98.67	
50020422	80.00	95.00	100.20	94.25	no
50020431	96.00	99.00	99.00	98.79	
50020437	92.00	96.00	98.80	95.88	no
50020439	98.00	100.00	99.90	99.85	
50020460	95.00	98.50	98.80	98.27	
50020476	95.00	99.00	99.30	98.74	
50020490	95.00	100.00	99.30	99.61	
50020491	97.00	100.00	99.80	99.78	
50020504	94.00	98.00	98.50	97.75	no
50020506	98.00	100.00	99.80	99.85	
50020508	96.00	99.00	99.30	98.81	
50020513	98.00	99.00	99.60	98.97	
50020518	95.00	97.00	99.00	96.98	no
50020520	95.00	99.00	99.10	98.72	
50020525	95.00	99.00	99.10	98.72	
50020544	96.00	99.00	99.30	98.81	
50020546	99.00	100.00	99.90	99.92	
50020563	99.00	100.00	100.30	99.95	
50245936	99.00	100.00	99.80	99.92	
50245957	99.00	100.00	100.20	99.94	
50245991	94.00	99.00	99.60	98.68	
50245998	99.00	100.00	100.00	99.93	
50246019	98.00	100.00	99.70	99.84	
50246027	93.00	97.00	98.00	96.78	no

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Year 2016

SR11 5/8" Meter No.	Test Results			WAMA	Meets PSC Repaired Meter Stds.
	Low	Medium	High		
50246065	97.00	99.00	99.60	98.89	
50246913	97.00	100.00	99.90	99.78	
50246923	97.00	99.00	99.70	98.90	
50246956	99.00	100.00	99.90	99.92	
50246966	96.00	100.00	99.60	99.70	
50246984	97.00	100.10	99.60	99.85	
50246988	90.00	98.50	99.00	97.93	no
50247002	96.00	99.00	99.30	98.81	
50336520	97.00	99.00	99.30	98.88	
50336527	94.00	98.50	98.80	98.20	
50336528	98.00	99.00	99.70	98.97	
50336555	99.00	100.00	99.80	99.92	
50336560	99.00	100.00	99.80	99.92	
50336577	97.00	98.50	99.00	98.42	
50336593	99.00	100.00	99.80	99.92	
50336596	98.00	100.00	99.50	99.83	
50336602	90.00	100.00	99.10	99.24	
50336616	96.00	99.00	99.20	98.80	
50336631	96.00	100.00	99.40	99.68	
50336639	98.00	99.00	98.90	98.92	
50336641	91.00	97.00	98.90	96.69	no
50336670	98.00	100.00	99.90	99.85	
50336671	98.00	100.00	100.00	99.86	
50336687	96.00	100.00	99.50	99.69	
50336689	97.00	98.50	98.70	98.41	
50399644	97.00	100.00	99.90	99.78	
50399657	100.00	100.00	100.00	100.00	
50399665	98.00	99.00	99.20	98.94	
50399680	97.00	100.00	99.70	99.77	
50399710	97.00	100.00	100.10	99.80	
50399752	100.00	100.00	100.00	100.00	
50399815	95.00	99.00	99.20	98.73	
50399821	98.00	100.00	99.00	99.80	
50614667	98.00	99.00	99.90	98.98	
50614688	100.00	100.00	99.50	99.97	
50614694	98.00	99.00	99.50	98.96	
50614708	97.00	100.00	99.80	99.78	
50614720	97.00	99.00	99.70	99.77	
50614722	94.00	99.00	99.20	98.66	

AVERAGES	96.29	99.26	99.46	<b>99.06</b>
MIN	80.00	95.00	97.50	94.25
MAX	100.00	100.10	100.30	100.00

% Meeting PSC Required Meter Stds.  
Total Population Size  
Sample Size (95% Conf. Level)

1502  
95  
90.53%