



Warren County
Water District

April 28, 2017

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MAY 5 2017

Public Service
Commission

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 SRII meters, size 5/8". A comparison of the results are below.

Average meter accuracy of random sample group: 99.48%
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. Peoples
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 2017

SR11 5/8" Meter No.	Test Results			WAMA	Meets PSC Repaired Meter Stds.
	Low	Medium	High		
50796279	95	100.5	99.8	100.07	
50796317	71	99	100.1	97.10	no
50796389	96	100	99.6	99.70	
50796391	96	100.5	99.9	100.15	
50796400	100	99.5	99.6	99.54	
50983384	95	100	100.1	99.65	
50983392	87	99	99.1	98.16	
50983394	99	100	99.8	99.92	
50983401	97	100	99.3	99.75	
50983403	90	98.5	99.2	97.94	no
50983550	101	100	99.7	100.05	
51059738	95	100	99.6	99.62	
51059759	98	100	99.6	99.84	
51059827	96	99.5	99.7	99.27	
51059897	91	99	98.8	98.43	
51182104	100	100	100	100.00	
51182112	96	100	99.9	99.71	
51182119	94	99.5	99.7	99.13	
51182120	97	100	99.9	99.78	
51182136	99	100	99.9	99.92	
51182140	83	97	99.8	96.18	no
51182144	97	100	100	99.79	
51182171	93	100	100.2	99.52	
51182216	97	100.5	100.1	100.23	
51182221	98	99	99.8	98.98	
51334101	99	100	100.2	99.94	
51334104	98	100	99.3	99.82	
51334114	98	101	100.2	100.74	
51334127	99	100.5	100.3	100.38	
51334133	96	100	99.9	99.71	
51334149	95	100	100	99.65	
51334154	98	100	100	99.86	
51334209	97	100	100.2	99.80	
51335663	99	101	100.2	100.81	
51335718	98.5	100	100.2	99.91	
51335719	98	100	99.7	99.84	
51335795	96	100.5	100.1	100.16	
51335814	99.5	100.5	100.5	100.43	
51335825	97	100.5	100.3	100.24	
51400275	94	100	99.8	99.57	
51488546	92	100	99.3	99.40	
51488578	95	100	99.5	99.62	
51488590	92	99	99.4	98.53	
51488634	96	100.5	99.8	100.14	
51488645	98	100	100	99.86	
51488666	98	98.8	98.4	98.72	
51488697	93	99.5	99.2	99.03	
51488699	93	100	99.8	99.50	
51488702	92	99.5	99.2	98.96	
51488706	97	100	100	99.79	
51556606	93	99.5	99.5	99.04	
51556610	93	99	99	98.58	
51556644	95	99.5	99.5	99.18	
51556649	88.5	98	98.5	97.36	no
51556678	97	100	99.8	99.78	
51556712	90	99.5	100	98.86	

ANNUAL SAMPLE TESTS
METER TESTING OF 21 YEAR OLD METERS
WARREN, BUTLER, SIMPSON WATER DISTRICTS
Year 2017

SR11 5/8" Meter No.	----- Test Results -----			WAMA	Meets PSC Repaired Meter Stds.
	Low	Medium	High		
51556722	98	100	99.5	99.83	
51556748	96	100	99.6	99.70	
51556753	96	95.5	99.8	95.79	no
51698424	93	99.9	99.5	99.39	
51698450	97	99.5	99.2	99.31	
51698464	94	100	100	99.58	
51698467	93	99	99.6	98.61	
51698476	94	100	99.5	99.55	
51698479	95	100	99.6	99.62	
51698492	95	98.5	99.5	98.31	
51698518	94	98.5	99.3	98.23	
51698544	98	100	100.3	99.88	
51698545	91	100	99.2	99.32	
51939403	95	99.5	99.3	99.17	
51939477	93	100.5	99.8	99.93	
51939490	97	100	99.7	99.77	
51939517	99	100	99.9	99.92	
51939536	95	100	100	99.65	
51939537	97.5	100	100.3	99.84	
51939540	94	100.5	99.7	100.00	
51993986	98	100	100.1	99.87	
51994007	100	100	100.1	100.01	
51994012	92	101	99.7	100.29	
51994018	99	100	99.4	99.89	
51994030	98	100	100.5	99.89	
51994039	96	100.5	100.2	100.17	
51994048	96	100	99.9	99.71	
51994059	98	100	99.8	99.85	
52025383	96	99	99.4	98.81	
52025386	97	100	99.5	99.76	
52025403	98	100.5	100.1	100.30	
52025406	96	100.5	99.6	100.13	
52025418	98	100.5	100	100.29	
52025426	96	100	99.9	99.71	
52025432	98	100	100.4	99.88	
52025441	94	99	99.2	98.66	
52025476	93	99	98.6	98.55	
52025489	97	100	99.8	99.78	
52025490	98	100	99.7	99.84	
AVERAGES	95.45	99.79	99.73	99.48	
MIN	71.00	95.50	98.40	95.79	
MAX	101.00	101.00	100.50	100.81	

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

1493
95

94.74%