



Warren County
Water District

November 7, 2014

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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: 98.35%
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.



ANNUAL SAMPLE TESTS
METER TESTING OF 21 YEAR OLD METERS
WARREN, BUTLER, SIMPSON WATER DISTRICTS
Year 2014

SRII 5/8" Meter No.	----- Test Results -----				Meets PSC Repaired Meter Stds.
	Low	Medium	High	WAMA	
46995969	94.00	100.00	99.60	99.55	
46995987	99.00	99.00	99.50	99.03	
46995999	96.00	99.00	99.10	98.80	
46996000	96.00	100.00	99.70	99.70	
46996029	96.00	100.00	99.40	99.68	
46996045	0.00	36.00	99.20	37.20	no
46996121	94.00	99.00	99.60	98.68	
46996126	97.00	98.50	99.50	98.45	
47097071	97.00	99.00	99.80	98.91	
47097075	95.00	99.00	99.40	98.74	
47097083	94.00	99.00	99.00	98.65	
47097088	97.00	100.00	99.60	99.77	
47097101	97.00	100.00	99.40	99.75	
47097131	88.00	94.00	99.60	93.91	no
47097134	95.00	99.00	99.60	98.75	
47097139	97.00	100.00	99.70	99.77	
47097166	94.00	99.00	99.20	98.66	
47097176	92.00	99.00	99.40	98.53	
47097246	98.00	100.00	99.30	99.82	
47097249	96.00	100.00	99.60	99.70	
47097258	96.00	99.00	99.50	98.82	
47097259	100.00	101.00	100.30	100.89	
47097269	100.00	100.00	100.00	100.00	
47097281	96.00	99.00	99.10	98.80	
47097284	98.00	99.00	99.70	98.97	
47099177	100.00	97.00	99.30	97.35	no
47155304	99.00	100.00	100.00	99.93	
47155309	98.00	100.00	99.60	99.84	
47155310	0.00	100.00	99.50	92.94	no
47155344	97.00	99.00	99.30	98.88	
47155347	92.00	98.50	99.50	98.10	
47155348	90.00	98.50	99.20	97.94	
47155361	96.00	100.00	99.70	99.70	
47155374	92.00	97.00	98.70	96.75	no
47155394	98.00	100.00	99.60	99.84	
47155437	97.00	99.00	99.20	98.87	
47155461	94.00	99.00	99.50	98.68	
47155469	95.00	99.00	100.20	98.79	
47155485	97.00	99.00	99.50	98.89	
47155551	95.00	99.00	99.30	98.74	
47221794	92.00	98.50	99.00	98.07	
47221799	96.00	99.00	99.30	98.81	
47221803	93.00	98.00	98.50	97.68	no
47221805	95.00	100.00	99.60	99.62	
47221826	98.00	99.00	100.00	98.99	
47221830	93.00	98.50	99.30	98.16	
47221842	96.00	100.00	99.80	99.71	
47221862	98.00	100.00	99.50	99.83	
47221884	96.00	100.00	99.80	99.71	
47221890	95.00	99.00	99.60	98.75	
47221893	96.00	100.00	99.30	99.68	
47221917	95.00	100.00	99.90	99.64	

ANNUAL SAMPLE TESTS
METER TESTING OF 21 YEAR OLD METERS
WARREN, BUTLER, SIMPSON WATER DISTRICTS
Year 2014

SR11 5/8" Meter No.	----- Test Results -----				WAMA	Meets PSC Repaired Meter Stds.
	Low	Medium	High			
47221969	90.00	98.50	99.00		97.93	
47406941	97.00	100.00	99.80		99.78	
47406947	99.00	99.00	99.10		99.01	
47406952	98.00	100.00	99.80		99.85	
47406994	98.00	99.00	99.30		98.95	
47406998	100.00	100.00	100.00		100.00	
47407023	96.00	99.00	98.90		98.78	
47407033	97.00	98.50	99.40		98.45	
47407038	97.00	100.00	99.40		99.75	
47407047	97.00	99.00	99.20		98.87	
47407097	97.00	98.50	99.00		98.42	
47407108	99.00	99.00	100.00		99.06	
47705189	96.00	99.00	99.50		98.82	
47705211	98.00	100.00	99.20		99.81	
47705217	97.00	100.00	99.70		99.77	
47705234	98.00	99.00	99.70		98.97	
47705263	97.00	100.00	99.60		99.77	
47705276	95.00	97.00	98.80		96.97	no
47705278	99.00	99.00	100.00		99.06	
47705302	97.00	100.00	99.20		99.74	
47705310	100.00	101.00	100.00		100.87	
47705311	95.00	98.50	99.20		98.30	
47705312	97.00	100.00	99.40		99.75	
47705324	97.00	99.00	99.20		98.87	
47705345	96.00	99.00	99.40		98.81	
47758543	98.00	100.00	99.60		99.84	
47758559	92.00	99.00	98.90		98.50	
47758561	92.00	100.00	98.70		99.36	
47758576	95.00	100.00	99.40		99.61	
47758586	98.00	101.00	99.40		100.69	
47758611	98.00	100.00	99.30		99.82	
47758664	97.00	98.50	99.30		98.44	
47758684	98.00	100.00	99.60		99.84	
47758721	99.00	98.50	99.20		98.58	
47758749	96.00	100.00	99.50		99.69	
47758770	96.00	99.50	99.00		99.22	
47991258	96.00	98.50	99.50		98.38	
47991265	100.00	100.00	100.00		100.00	
47991324	99.00	100.00	99.30		99.89	
47991347	97.00	98.00	99.00		97.99	no
47991385	93.00	99.00	98.90		98.57	
47991417	96.00	99.00	99.50		98.82	
47991427	99.00	100.00	99.80		99.92	
AVERAGES	94.22	98.61	99.44		98.35	
MIN	0.00	36.00	98.50		37.20	
MAX	100.00	101.00	100.30		100.89	

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

91.58%
1509
95