



PO. Box 226 • Seneca, KS 66538 • 785/336-3760  
 FAX 785/336-2751 • <http://www.krwa.net>

June 2, 2010

Jack Mason  
 Shawnee Cons. RWD 4  
 3333 N.W. Button Rd.  
 Topeka, Ks 66618

Dear Jack,

Kansas Rural Water Association typically provides follow-up documentation on many of the tech assistance calls the Association does. This is a follow up letter to the master meter testing conducted for the water district on June 2.

<b>Meter: Sensus 6-inch; SN: 51873; Dated: Nov 2005; Location: Well # 5</b>						
Test Number	Test Flow rate gallons per min.	Meter Volume (entity's meter)	Tester Volume (KRWA's tester)	Entity's meter accuracy (compared to KRWA)	(flow curve adjustment) on test meter	Adjusted Accuracy
1	350	2000	1598	125.2%	98.8%	123.7%
2	350	4000	3198	125.1%	98.0%	122.6%

The industry standard for the Sensus 6-inch type of meter used to register the water coming from the clear well is to register at 98.5% to 101.5% at the tested flow rates. Under these standards, the meter passed all of the tests conducted on it. The average reading for this meter was 99.25%.

<b>Meter: Rockwell 6-inch; SN: 38899; Dated: Feb 1090; Location: Well # 4</b>						
Test Number	Test Flow rate gallons per min.	Meter Volume (entity's meter)	Tester Volume (KRWA's tester)	Entity's meter accuracy (compared to KRWA)	(flow curve adjustment) on test meter	Adjusted Accuracy
1	317	2000	1694	118.1%	99.0%	116.9%
2	317	4000	3384	118.2%	99.0%	117.0%

The standard for the Sensus 6-inch type of meter used to register the water coming from Well #5 is also to register at the above standards. Under these standards, the meter failed all of the tests conducted on it. The average reading was 123.15%.

<b>Meter: Sensus 6-inch; SN: 59243005; Installed: 2000; Location: High Service Pump Meter</b>						
Test Number	Test Flow rate gallons per min.	Meter Volume (entity's meter)	Tester Volume (KRWA's tester)	Entity's meter accuracy (compared to KRWA)	(flow curve adjustment) on test meter	Adjusted Accuracy
1	515	2000	1988	100.6%	98.7%	99.3%
2	515	4000	3979	100.5%	98.7%	99.2%

The industry standard for the Sensus 6-inch type of meter used to register the water coming from Well #4 is to register within an operating range of 98.5% to 101.5% at the tested flow rates. Under these standards, the meter failed all of the tests conducted on it. The average reading was 116.95%.

Again, thank you for the opportunity to provide this assistance to the city.

Please feel free to contact Kansas Rural Water Association or me if we can be of any further assistance. Also visit the KRWA website at [www.krwa.net](http://www.krwa.net) for news and information concerning water and wastewater utilities, upcoming training opportunities and other KRWA programs.

Sincerely,

Gary Armentrout  
ARRA Circuit Rider

C: Jerry Glasgow, Chairman  
Alisa Grollmes, Office Manager