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June 8, 2009

Troy Lay
 City of Sabetha
 Post Office Box C
 Sabetha, Ks 66534

Dear Troy;

The 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 our conversation of June 2, 2009. As always it was a pleasure visiting with you and the crew at the water plant.

The industry standard for the Sea Metrics Magnetic flow meters is to operate within a range of 98.5% to 101.5% at the tested flow rates. Under the listed flow rate the flow meter used to register the flow going to town failed the test conducted on it by registering below the required standard at only 78.1%. This meter was replaced with a same type of meter that was in the water plant and tested. This meter passed the test by operating at 101.2%.

A similar test was conducted on the Advance Flow Tech/Ultra Mag. This meter must meet the same standards as the other meters. When tested, this mag meter was operating a flow rate of 86.9%. It is my understanding that Haynes Equipment will be on site when I return to assist with the recalibration of this meter. Here are the test results:

Meter: Sea Metrics 12-inch; SN: Unknown; Location: At Clearwell						
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	672	10000	12556	79.6%	98.0%	78.1%
Meter: Sea Metrics 12-inch; SN: Unknown; Location: At Clearwell						
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	660	5000	4844	103.2%	98.0%	101.2%
Meter: Advance Flow Tech/Ultra Mag 12-inch; SN: Unk; Location: Raw Water Intake						
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	712	5000	5699	87.7%	99.0%	86.9%

Please call if you have any questions. Also visit KRWA's website www.krwa.net for news, other training opportunities and KRWA Programs.

Sincerely,

Gary Armentrout
 Circuit Rider

GA:ejr
 C: Doug Clark, Mayor
 Steve Compo, City Clerk
 Doug Allen, Administrator