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June 22, 2010

Rick Koenig
 City of Hiawatha
 723 Oregon
 Hiawatha, KS 66434

Re: Meter testing

Dear Rick;

This is a follow up letter to the meter testing we conducted on the three wells north of town as requested. The results are below:

Meter: Hersey MVR 6-inch; SN: 10802274; Dated: 7/10/09; Location: Knouse Well						
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	170	1000	980	102.0%	99.4%	101.4%
2	170	2000	1970	101.5%	99.4%	100.9%
3	170	3000	2960	101.4%	99.4%	100.7%
Meter: Sparling Tiger Mag 8-inch; SN: M019084599; Dated: NA; Location: Evans Well						
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	214	1000	926	108.0%	99.4%	107.3%
2	214	2000	1849	108.2%	99.4%	107.5%
3	214	3000	2778	108.0%	99.4%	107.3%
Meter: Sparling 8-inch; SN:135023; Dated: NA; Location: Hansbury Well						
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	268	1000	1116	89.6%	99.2%	88.9%
2	268	2000	2225	89.9%	99.2%	89.2%
3	276	1000	1092	91.6%	99.0%	90.7%

As you recall, the new meter at the Knouse Well tested at 100% accurate. The meter at the Evans Well was over-registering by around 7%. As we discussed this could be due to the isolation valve not shutting off completely; if so, then this meter should be repaired or replaced. The Sparling meter at the Hansbury Well was under-registering by almost 10% and even when we opened the throttle valve to make sure it was not causing the meter to malfunction, it still under-registered. This meter should also be repaired or replaced.

I enjoyed the opportunity to work with you on this and look forward to working with you in the future. If you have any questions please feel free to call me at 785-541-0342. Also, visit the KRWA website at www.krwa.net for news and information concerning water and wastewater utilities, training opportunities and other KRWA programs.

Again, thank you for the opportunity.

Sincerely,

Greg Metz
Technical Assistant

c: Lynne Ladner, City Administrator