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April 9, 2008

Gary Sadowski
City of Emporia
1220 Hatcher Street
Emporia, KS 66801

Dear Gary,

This letter is in follow-up to my visit to the City of Emporia when we reviewed metering in the water system.

First, in reference to the master meter installed at the pump house for water sales to Lyon RWD 4, the Neptune 4-inch meter that is in use in this pump house was not tested for accuracy due to its improper installation. The manufacturer of this meter requires six to eight times the pipe diameters (20-32 inch of pipe) upstream of the meter and two times the pipe diameters (8 inch of pipe) downstream of the meter before any fully open gate valve or a pipe reducer or other obstructions that tend to provide conditions for flow disturbances. The meter, as installed, will not register within the industry standards due to the manner in which it is installed.

I recommend that this meter be replaced as we discussed, and that the replacement meter also have a built in test port to facilitate the testing of the meter.

The Neptune 4-inch Tru/Flo Compound master meter located at the Lincoln Village Apartments will have to be repaired as the meter is not recording any low flows. The cause of this could be in the register or in the metering chamber itself. I can discuss this with you when we meet again on April 16.

Please call Kansas Rural Water Association if we can be of further assistance. Also, visit the KRWA website www.krwa.net for news and information concerning water and wastewater utilities, upcoming training opportunities and other KRWA programs.

Sincerely,

Gary Armentrout
Technical Assistant

C: Susan Mendoza, City Clerk