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February 19, 2010

Brian McCarty
City of Hardtner
PO Box 217
Hardtner, KS 67028

Dear Brian,

It was good to meet with you concerning the operations on the water system at the city.

DAILY CHLORINE RESIDUALS: The Kansas Department of Health and Environment require all public water supply systems in Kansas to maintain chlorine residuals in the distribution system at all times. The suggested range must be between 0.2 and 4.0 mg/l. The chlorine residual must be monitored and recorded daily and kept on file for public inspection for ten years. The residual has been ranging from .3- 2.2 mg/l. You were going to increase the chlorine feed so that the areas that are lower would have a better residual. It may also be necessary to do some flushing also in order to clean the lines.

ROUTINE BACTERIOLOGICAL SAMPLING: KDHE also requires you to collect two samples each month that are free of bacteria. Any positive samples will result in additional samples to be taken in order to determine the cause of the positive sample. The samples have been negative and the city has no violations at this time.

FLUSHING PROGRAM: You to increase your Flushing schedule in order to help clean the lines and increase your chlorine residuals. You can flush about any time as the temperatures are above freezing. You should start at the source and work out from there.

CHLORINE PUMP: We discussed chlorination issues you were having with you pump and injection system and possible corrective measures. Liquid chlorine pumps should be rebuilt annually and cleaned regularly in order to prevent problems from occurring. A spare pump should be on hand as a backup as well as having spare parts.

METER CHANGE OUT PROGRAM: Meters generally slow down and stop with age and wear causing loss of revenue and water loss problems. I recommend changing out small customer type meters at 1 - 1.5 million gallons. If you like, we can test a couple of meters sometime to determine an idea of metering accuracy.

I am glad you will be attending the annual conference & exhibition in Wichita March 30-April 1. It offers a good opportunity to learn about the waterworks industry and to meet other industry professionals. I hope others can also attend.

Sincerely,

Jon Steele
Circuit Rider

C: Bill Smith, Mayor
Chonita Sternberger, City Clerk
Vickie Wessel, KDHE