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July 21, 2009

Gary Roberts
Flint Oak
2639 Quail Rd
Fall Rivers, KS 67047

Dear Gary;

This is a follow up letter to my recent visit to your water treatment plant where we discussed water plant operations.

Your water treatment plant is a very small; it is one of the smallest I have worked with in Kansas with a 20 GPM flow. Your filter size is 2 feet by 8 feet with very little headroom which makes it very difficult to do a filter profile. And there is very little headroom in the water plant building.

You should consider running your slow mixer continuously and also running your sludge blanket about six inches above the mixer walls. This should increase the detention time in the treatment plant and give you better filtered water. The main concern I have is the high spikes in turbidity from time to time. This may be caused by large amounts of rainfall and or temperature changes in the lake. Overall, the filters appear to be doing a good job. The filters should be raked on a regular basis to keep from forming mud balls in the filters.

As you mentioned, the clearwell is 4,800 gallons and is in need of cleaning. I plan on setting up a time next week to assist you with this process. You may not be able to water the lawns the day of my visit to keep the tower at a higher level so we can shut the plant down for a couple of hours to clean the clear well.

I plan on calling you next week to setup a good time to do this work. My cell phone number is 785-547-5523.

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, training opportunities and other KRWA programs. I will also be in touch.

Sincerely,

Lonnie Boller
Surface Water Tech

C: Doug Josephson, Operator