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March 12, 2010

Ed Junek
Republic RWD 2
968 310 RD
Cuba, KS 66940

Re: Chlorine Residual

Dear Ed;

I enjoyed our visit Wednesday concerning the chlorine residuals within the district; I appreciate the opportunity to work with you on this.

After doing the testing throughout the system and visiting with other KRWA staff, there is a concern that your system may have naturally occurring ammonia in the well water. This would be one reason for the residuals maintaining as they have been. The amount of use contributes to helping maintain better residuals. Although it has my interest peaked how well your residuals maintain over such a distance if there was ammonia in the water and you did have combined chlorine I would think you would have had other problems that normally accrue with combined chlorine.

So as far as the issue of wanting to reduce the chlorine level at the POE and still meet the 4-log inactivation of the Ground Water Rule, you will need to extend the first customer's tap further downstream on the main line and run back to the customer's meter as we discussed. Depending on how far you extend the service (100 feet or 200 feet) will determine how much you may reduce your chlorine feed as you seen on the work sheets I sent in the last letter. Remember that you will need to contact KDHE and let them know what you are planning. I would suggest you give Kelly Kelsey a call and he will be able to tell you what the proper procedure will be and KRWA can assist you with this.

I will be discussing this more with Jeff Lamfers and Pat McCool of KRWA and if there is anything else we should do or check on. I will be in touch to let you and Charlie know.

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: Melvern Cornett, Chairman
Charles Vieselmeyer, Operator