



P.O. Box 226 • Seneca, KS 66538 • 785/336-3760  
FAX 785/336-2751 • <http://www.krwa.net>

June 1, 2009

John Baumgartner  
Rural Water District No. 1, Nemaha County  
3013 T Road  
Sabetha, Kansas 66534-9498

RE: Well Repair

Dear John:

Thank you for allowing me the opportunity to assist you and Rural Water District No. 1, Nemaha County.

To the best of my knowledge, neither the Kansas Department of Health and Environment or the Division of Water Resources in the Kansas Department of Agriculture requires any notice of intent to repair your public water supply well located in Nebraska. Maintenance of your water system is an expected activity and as such, your activities of maintenance do not require approvals, etc.

Adding a gravel pack to the currently open hole design of the Nebraska well should help control sloughing of the shale formations, if that is the cause of the cloudy water you have experienced. I'm not sure that it will totally control the cloudy water, if water is allowed to continue to come into contact with the shale formations, however. Please ask your driller if it is possible to cement these formations to prevent contact with the water in the bore hole.

If you have any questions about this issue, water rights or source water protection, you can reach me at my home office by telephone at 785/640-4701, by e-mail at [dhelmke@krwa.net](mailto:dhelmke@krwa.net) or by writing to 6847 SE 29th Street, Tecumseh, Kansas 66542-9571.

Sincerely,

Douglas S. Helmke, L.G.  
Water Rights / Source Water Specialist  
Kansas Rural Water Association

DSH  
c: KRWA