



HEALTH AND HUMAN SERVICES DEPARTMENT

PUBLIC HEALTH

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March 21, 2016

Hiland WC-JJ Water Company 4106173
Silas Olson 503-554-8333
PO Box 699
Newberg, OR 97132

Subject: Corrective Action Required for Hiland WC-JJ Water Company to Address Source Water Fecal Contamination at Well #1-L38446 and well #3 from inadequately constructed well #2-L45735.

The Drinking Water Services (DWS) has verified monitoring which confirms fecal (*E. coli*) contamination at Well #1 and well #3.

The results from monitoring at your water system are illustrated below:

Sample Date	Sample Type	Sample Location	Positive for Total Coliform	Positive for <i>E. coli</i>
12/5/2012	assessment	well #1	yes	yes
12/6/2012	confirmation	well #1	yes	yes
12/5/2012	assessment	well #3	yes	yes
12/6/2012	confirmation	well #3	no	no

Furthermore, DWS has reviewed the well log and found that well #1 and well #3 to be adequately constructed, but that well #2 (which is located within 100 feet of well #1) to be inadequately constructed. According to a contact report from 12/17/2012, Fred Kalish notified Silas Olson that well #2 is inadequately constructed and acts as a potential conduit for contamination and should be properly abandoned. Another contact report from 2/22/2106 indicates that Matt was notified by Alisa Zastoupil that well #2 needs to be abandoned or reconstructed. There is no record of abandonment or repair for well #2 with the Water Resources Department.

Under the Groundwater Rule, Hiland WC-JJ Water Company must take corrective action to address the inadequately constructed well #2. The water system will be required to have completed corrective action or be in compliance with an approved corrective action plan with a reasonable timeline by **July 25, 2016**.

If the water system fails to take action within the required time frame, notification must be provided to all persons served by the water system. A repeat public notice will be required every three months until all deficiencies are corrected or the water system is in compliance with an approved corrective action plan. A copy of the public notice must be forwarded to DWS-DMCE at PO Box 14450, Portland, OR 97293-0450. You may also fax the report to (971) 673-0694 or email to dwp.dmce@state.or.us.

In order to comply with the Groundwater Rule and address the fecal contamination detected at your groundwater source, you have the following corrective action options for compliance:

1. Formally abandoning the improperly constructed well.
2. Reconstructing the well. The existing well may be reconstructed to meet current construction standards. However, fecal contamination may not be eliminated by reconstruction alone. Once reconstruction is complete, we can determine whether additional measures – for example, 4-log disinfection and compliance monitoring – will be necessary. Plan review is required prior to well reconstruction. Please contact DWS Plan Review at (971) 673-0408 to start that process.
3. Eliminate the source of fecal contamination associated with the well. In *some* cases, the source of fecal contamination can be identified and removed. Hiland WC-JJ Water Company would need to remove any obvious or suspected sources of fecal contamination, take measures to prevent the situation from recurring, and/or correct all significant deficiencies. Monthly raw water samples of the well may be required for up to 12 months afterwards to ensure the problem has been resolved.

Hiland WC- JJ Water Company is to continue daily entry point monitoring at EP-A to demonstrate that 0.2 mg/l chlorine residual is being met for the 4-log viral inactivation treatment credit.

Under the Groundwater Rule timeline, you must contact me in writing by 4/25/2016 and inform me which method of corrective action you have selected. By July 25, 2016 you must have completed this corrective action or be on an approved schedule towards its completion.

If you have any questions or concerns, or would like this in an alternate format, please contact Gary Van Der Veen at 503-434-7439 or me at 503-583-0361 (in office Mondays only) or at zastoupila@co.yamhill.or.us. I appreciate your immediate attention to this matter.

Sincerely,



Alisa Zastoupil, REHS
Yamhill County Environmental Health

CC: Gary Van Der Veen, Yamhill County Environmental health
Evan Hofeld, Regional Engineer, Drinking Water Services
Tom Pattee, R.G. Groundwater Coordinator