

November 12, 2014

Edward Butts, P.E.
4B Engineering and Consulting
3700 River Road N., Suite 2
Keizer, OR 97303



800 NE Oregon Street, Suite #640
Portland, OR 97232-2162

(971) 673-0459

(971) 673-0694 – FAX

(971) 673-0372 – TTY

<http://www.healthoregon.org/dwp>

Re: Highway Wells 3A and 3B, Plan Review # 109-2014
Rickreall Community Water Association, PWS # 00704
Final Approval

Dear Mr. Butts:

Thank you for your submittal of supplemental plan review information for the Highway Wells 3A and 3B for the Rickreall Community Water Association to the Oregon Health Authority's Drinking Water Services (DWS). On September 23, 2014, DWS received a copy of water quality test results for Well 3B and a request for a waiver from construction standards for the roadway (Highway 51) located within 100 feet of the wells. Pursuant to Oregon Administrative Rule (OAR) 333-061-0055, DWS has reviewed and approved of the waiver from the construction standard that public or private roadways not be located within 100 feet of the wells. The approved waiver is attached to this correspondence. This satisfies the conditions outlined in the August 8th, 2014 conditional approval letter. Previously, our office received plans and specifications, water quality test results, a site plan, Oregon Water Resources Department (OWRD) well logs for both wells, and an approved land use compatibility statement. A plan review fee of \$750 was also received.

The project consists of a 68-foot deep well with OWRD well log POLK 53509 and a 70-foot deep well with OWRD well log POLK 53210, that will both enter the distribution system through a single new entry point without treatment. Both wells draw from a shallow semi-confined sand and gravel aquifer. **The project is approved without conditions.**

I do have the following comments regarding the project:

1. Chemical monitoring requirements for the wells are as follows. Note all chemical monitoring must occur at the entry point location which is representative of water from both wells:

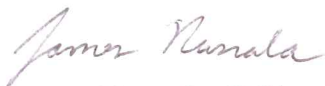
- a. Nitrate: One sample a quarter, beginning with the first sample before December 31, 2014, and continuing on a quarterly basis during 2015. This
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is due to results from both sources that are above half of the Maximum Contaminant Level (MCL) of 10 milligrams per liter. If the results are reliably and consistently below the MCL, monitoring may be reduced to once a year, as specified by Polk County.

- b. Volatile Organic Compounds (VOCs) and Synthetic Organic Compounds (SOCs): One sample every three years, beginning with the 2014 through 2016 compliance period. The DWS hydrogeologist has reviewed well construction sensitivity, aquifer sensitivity, nearby potential sources of contamination, and existing chemical monitoring data for both wells and the nearby Orchard Well, Well #2, and determined that an initial chemical monitoring reduction may be granted for VOCs and SOCs, given an initial VOC and SOC sample set from each of the two new wells that is non-detect for all constituents.
 - c. Inorganic Compounds including Nitrite and Arsenic: One sample every three years, beginning with the 2014 through 2016 compliance period.
 - d. Radionuclides including gross alpha, Radium 226/228, and uranium: One sample a quarter for each constituent, beginning with samples before December 31, 2014. Quarterly monitoring for each constituent shall continue through second quarter 2015, or April through June 2015 due to detectable quantities of each constituent from initial samples collected at the wells. Routine monitoring will be specified by Polk County after completion of this initial monitoring.
2. Water rights permits from OWRD must be obtained for both wells prior to the wells being used. I have copied the appropriate OWRD watermaster for this area.

If you have any questions or concerns, or would like this in an alternate format, please contact me at (971) 673-0459, or james.b.nusrala@state.or.us. Thank you for your cooperation in completing the project.

Sincerely,



James Nusrala, P.E.

Regional Engineer

Enclosure: Approved Waiver from Construction Standards

cc:

Doris Rocha, Rickreall Community Water Association, P.O. Box 44, Rickreall, OR 97371

Joel Plahn, Watermaster, Oregon Water Resources Department, 725 Summer Street NE,
Suite A; Salem, OR 97301

Jim Solvedt, REHS, Polk County Community Development

Tom Pattee, DWS

Carrie Gentry, DWS

