

Application for Waiver from Construction Standards for Public Water Systems

In accordance with OAR 333-061-0055, the Rickreall Community Water Association water system, PWS ID #41-00704, hereby requests the Oregon Health Authority to waive the construction standard OAR 333-061-0050 (2)(a)(D) — i.e., that public or private roadways (Highway 51) not be located within 100 feet of a semi-confined well.

The construction standard requested to be waived is for the following project: Highway Wells 3A and 3B.

This waiver is necessary for the following reasons: Rickreall Wells 3A and 3B are intended to replace the Rickreall Berlin Well, a well with a long history of coliform bacteria contamination. This new well site was determined to be the only practical (reasonably close) replacement site within the water system with the likelihood of obtaining at least 120 GPM, the needed capacity to replace the Berlin Well (~125 GPM).

wells within 100' of highway (70 feet).

Proposed alternate measures to protect the health and welfare of the public in lieu of complying with the construction standards OAR 333-061-0050 will consist of:

- 1.) Both wells are equipped with solid well casing and proper sanitary seals, extending to a depth of no less than 28' in firm brown clay, there was no water found above a depth of 41' and neither well exhibited excessive levels of any regulated contaminant.
- 2.) Both wells are located at least 40' from the western drainage ditch centerline and over 90' from the eastern drainage ditchline. There are no known chemical storage or application activities within 200' of either well. The nearest sanitary sewer septic tank and/or drainfield is located over 100' (to the North) from both wells.
- 3.) The roadway in question is a fully paved and controlled state public highway (Highway 51) with an established ditch on both sides with N-S grading that, with the site slopes, provide adequate drainage means on both sides of the highway and drains runoff away from the well sites.
- 4.) The Association's Orchards Well is directly located on the eastern side of the same highway site as the two proposed wells and this well has a good history of no/low contamination
- 5.) Both wells are to be situated within a locked 6' high fenced area and both wellheads are to be elevated no less than 12" above the concrete slab (~18" above local finished grade).
- 6.) A reinforced concrete slab will be provided over each well along with locked enclosures.

Signature: Edward Butts

Name: Edward Butts, PE-Agent for
Rickreall Community Water Association
Date: September 22, 2014
Agent: 4B Engineering & Consulting, LLC
Address: 3000 River Road N., Suite #2
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Ph: 503-589-1115—Fax: 503-589-1118

9/10/14

wells already drilled. NO₃ detect ~ 5ppm.

☐ Plan review coordinator's notes on justification/mitigation:

☒ Comments: See Regional Hydrogeologist Site Evaluation Attachment

☒ Attachments

Oregon Health Authority Action

After due consideration, the above requested waiver from the construction standards of OAR 333-061-0050 is hereby:

☒ Approved
☐ Denied

Kari Salis
Drinking Water Regional Manager Signature
Oregon Health Authority
Phone Number:

11/3/14
Date

✓
approved
KS

Regional Geologist Signature*
Oregon Health Authority
541-726-2587

Date

*A regional geologist may sign this form for construction waivers pertaining to wells and spring boxes.