

October 21, 2025

Deke Gunderson
Townsend Farms
33865 NW Vadis Rd.
Cornelius, OR 97113

**Re: Existing Well (PR#128-2025)
T-Farm 1 (PWS ID#05540)
Conditional Approval**

Dear Deke:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the Existing Well for T-Farm 1. On October 7, 2025, our office received a set of plans and a plan review fee of \$825 and on October 20, 2025, pictures of the well head.

The project includes an existing well (Well #2- SRC-AB) to be used for domestic water. The system was recently reclassified from an Oregon Very Small system to a Transient Non-Community system, requiring plan review.

The plans are approved subject to the following conditions:

- Provisions must be made for determining the depth to water surface in the well under pumping and static conditions.
- The casing vent must be fitted with a screen.

OHA's regional hydrogeologist reviewed the below ground construction of the well and had the following comments:

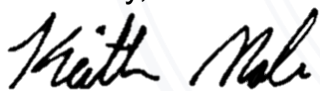
- This well was constructed to a depth of 127 ft. It is cased to the bottom of the hole. The casing seal extends to a depth of 25 ft, entirely through the clay and mixed clay and gravel layers present in the shallow subsurface. Water enters the well through the open end of the casing at a depth of 127 ft below ground level. Sensitivity Analysis results suggest that well construction does not contribute to the overall sensitivity of this water source to nearby land use practices.

- This well draws water from a shallow confined sand and gravel aquifer. The sand and gravel materials are directly overlain by 25 ft of clay and mixed clay and gravel layers. These layers are of low permeability that act as a confining layer. The static water level was reported to be 19 ft below ground level, rising 6 ft above the water-bearing sand and gravel, indicating that water in the aquifer is under pressure. Sensitivity Analysis results suggest that the aquifer is not highly sensitive to nearby land use practices.
- There is a pond within 150 ft of the wellhead. Sensitivity Analysis suggest that the well construction and aquifer characteristics are not highly sensitive to nearby potential contaminant sources. Therefore, water from this well is not considered to be susceptible to GWUDI (Ground Water Under the Direct Influence of surface water).

Until we receive verification that the conditions have been met and final approval has been issued, the well is not approved for use. Upon completion of the project, the engineer must verify in writing that construction was completed according to the submitted plans. If substantial changes are made, a set of as-built drawings must be submitted. Documentation demonstrating how the above conditions were met should reference Plan Review #128-2025 and can be emailed to me at keith.male@oha.oregon.gov.

If you have any questions, please feel free to email me at keith.male@oha.oregon.gov or call me at 503-939-1322.

Sincerely,



Keith Male, PE
Regional Engineer
Drinking Water Services

cc: Julie Wray, DWS
Joel Ferguson, REHS, Clackamas County Health Department
Kim Holtman, REHS, Clackamas County Health Department
Amy Landvoigt, District 20 Watermaster
Tommy Laird, Well Construction Program Coordinator, OWRD
Travis Kelley, Well Construction Compliance Coordinator, OWRD