



8 February 2024

Sam & Jennifer Lynch
832329 Maple Road
Seaside Oregon 97138

via email

**Re: Well #3, Plan Review #17-2024
Maple Elsie Water Service (WS ID #00805)
Site Plan Approval - Revised**

Dear Mr. & Mrs. Lynch:

Thank you for your submittal of plan review information to the Oregon Health Authority's Drinking Water Services (DWS) for Well #3 for the newly named Maple Elsie Water Service (nee Evergreen Acres). On 31 January 2024 multiple parties (DWS, Circuit Rider, OWRD, Clatsop County Env. Health) visited the site to identify the proposed location of the well, discuss proposed well construction, and consider distances to sanitary hazards. A Land Use Compatibility Statement is still forthcoming from Clatsop County, as well as a \$825 plan review payment. OWRD is currently considering water right issues. The proposed well is sited roughly 50 feet from both the existing well, and the original, disconnected, soon-to-be-permanently-formally-abandoned GWUDI well. **Well #3 must be drilled more than 100 feet from coliform sources like Cow Creek or any future septic drainfields.**

DWS has reviewed the well design and site plan and approves of the well's proposed presumed construction. Drilling of the well may proceed.

The DWS hydrogeologist has reviewed the presumed well design and site plan with the following comments:

- Based on the well log for existing well – CLAT396 – the water-bearing zone will likely be classified as semi-confined [, in part, because] the overlying confining layer is expected to be of limited thickness.
- Wells capturing water from a fractured bedrock aquifer that have surface water present within 500 feet of the wellhead are susceptible to capturing groundwater under the direct influence of surface water (GWUDI) and are **required to initiate monthly source assessment monitoring** once activated.
 - If the well is determined to be GWUDI, additional requirements including treatment for surface water may apply.

- SRC-AB (Old Well), a disconnected water source, appears to be within 100 feet of the proposed well location. SRC-AB has been designated as GWUDI. The construction of this well and its associated workings are considered suspect. The workings that recharge this well are designed to allow raw surface water from Cow Creek to enter a large gravel pack surrounding SRC-AB and subsequently may allow surface water to enter the shallow fractured bedrock aquifer within the 100-foot sanitary setback for the proposed well. To avoid potential problems in gaining approval for public use for the proposed well, we recommend either;
 1. Selecting a final well location that is greater than 100 feet horizontal distance from SRC-AB and its workings, or
 2. Permanently abandoning SRC-AB per Water Resource Department (OWRD) abandonment standards, to include the surrounding gravel pack and perforated pipe between the gravel pack and Cow Creek.

Upon completion of the well, please submit the following to DWS for review:

- OWRD well drillers report for the well
- Aquifer stress test or pump test on the well
- Wellhead detail showing a sample tap, pump to waste piping, a screened vent, etc.
- Detail of any wellhouse showing that it is lockable
- Engineered plan or diagram showing how the well will be connected to the water system. (The engineering requirement may be waived, upon request, if sufficient detail is provided.)
- Engineered plans for any new, proposed treatment, if applicable, and
- Water quality analyses from a sample tap at the new wellhead for the following:
 - Coliform bacteria
 - Nitrate and Arsenic
 - Inorganic Compounds, Synthetic Organic Compounds, and Volatile Organic Compounds, and
 - Radionuclides (gross alpha, Radium 226/228, and uranium)

If you have any questions or concerns, or would like this in an alternate format, please contact me at the contact information above. Your cooperation is appreciated.

Sincerely,



Pete Farrelly, P.E.
Regional Engineer
Drinking Water Services

cc: [Nikki Hendricks](#), OWRD
[Ryan Pillsbury](#), OWRD
[Meredith Reiley](#); [Lucas Marshall](#);
[Terry Hendryx](#), Clatsop County