



July 22, 2024

Bruce Bronson  
East Lake Resort  
Via email: [bbron2124@centurylink.net](mailto:bbron2124@centurylink.net)

**Re: New Replacement Well (PR#73-2021)  
East Lake Resort (PWS ID#90497)  
Conditional Approval**

Dear Bruce:

Deschutes County Environmental Health recently shared photographs of the above ground improvements for the new replacement well with Drinking Water Services (DWS).

The project includes installation of a well (well ID DESC 64457), drilled to a depth of 160 feet in October 2023.

A regional geologist reviewed the well log construction details and noted the following:

- The below-ground construction meets current construction standards.
- The area around the well location is surficially mapped as young rhyolitic tephra (Qyt) from the Newberry Volcano.
- The aquifer is unconfined since the static water level did not rise after being encountered at a depth of 25 feet below ground surface.
- The well is constructed into a coarse sand and conglomerate aquifer and is about 400 feet from East Davis Lake. The well is located outside the setback for a coarse sand, gravel and boulder aquifer. If E.coli is confirmed in the source, then DWS would need to evaluate the well for Ground Water Under the Direct Influence of Surface Water (GWUDI).

**The plans are approved with the following conditions:**

- The casing height must be 12" above grade.

- A method of determining the total output of the well must be provided (typically a flowmeter is installed for this purpose).
- A vented pitless adapter cap is required.
- A coliform raw water sample tap result is required. If a previous result for the well is available, this could be submitted in lieu of taking a new sample.

**Until we receive verification that the conditions have been met and final approval has been issued, the facility is not approved for use.** Documentation demonstrating how the above conditions were met should reference Plan Review #73-2021 and can be emailed to me at [Carrie.L.Gentry@oha.oregon.gov](mailto:Carrie.L.Gentry@oha.oregon.gov).

If you have any questions, please feel free to call me at (971) 201-9794 or email me at the above email address.

Sincerely,



Carrie Gentry, PE  
Regional Engineer  
Drinking Water Services

cc: Chantal Wikstrom, REHS, OHA/DWS  
Jeff Freund, REHS, Deschutes County Environmental Health