



PUBLIC HEALTH DIVISION  
Drinking Water Services

Kate Brown, Governor

Oregon  
**Health**  
Authority

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February 11, 2022

Christopher Brugato, PE  
Westech Engineering, Inc.  
Via email

**Re: Water Supply System Improvements (PR#19-2021)  
Luckiamute Domestic Water Cooperative (PWS ID#00538)  
Conditional Approval  
SRF Project SD-16-158**

Dear Mr. Brugato:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the Water Supply System Improvements project for Luckiamute Domestic Water Cooperative. On February 17, 2021, our office received plans, specifications, geotechnical report, land use compatibility statement and a plan review fee of \$4,125.

The project includes installation of a new 500,000-gallon bolted steel raw water blending tank and a new centralized treatment plant with sodium hypochlorite and sodium hydroxide (caustic) equipment and pumping equipment. The pumping equipment includes three 550 gpm pumps. The project also includes associated piping and appurtenances along with a new well pump in an existing well.

An emergency generator appears to be within 100 feet of the one of the wells. Note that this is acceptable provided that a secondary containment system is in place that will accommodate 110 percent of the fuel tank storage

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

- All items in contact with potable water must meet NSF Standard 61 or equivalent.

- Ground-level reservoirs that are located partially below ground must have footing drains discharging to daylight to carry away ground water which may accumulate around the perimeter of the structure.
- Split-leaf hatches on reservoirs are not currently approved. No split-leaf opening was noted on the plans.
- The pump station must be located above the maximum anticipated 100-year (1 percent) flood level.
- For the piping, the distance between tracer wire lead access locations must not be more than 1,000 feet.
- Coliform bacteria sample results must be submitted after disinfection of the infrastructure (i.e. reservoir and waterlines) is complete.

**Until we receive verification that the conditions have been met and final approval has been issued, the facility 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 #19-2021 and can be emailed to me at [Carrie.L.Gentry@dhsosha.state.or.us](mailto:Carrie.L.Gentry@dhsosha.state.or.us).

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

Sincerely,



Carrie Gentry, PE  
Regional Engineer  
Drinking Water Services

cc: Michelle Byrd, REHS, OHA/DWS  
Christina Tisdell, REHS, Polk County Health Department  
Carol Clark, Luckiamute Domestic Water Cooperative  
Michelle Bilberry, BizOregon