



August 25, 2023

Steven Wilson  
Shiloh Water Systems  
Via email: [wilson@shilohwater.com](mailto:wilson@shilohwater.com)

**Re: Storage Tanks Installation (PR#21-2023)  
Western Christian School (PWS ID#90582)  
Conditional Approval**

Dear Steven:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the installation of storage tanks for Western Christian School. On June 13, 2023, our office received a schematic and description of the installation. A plan review fee of \$825 was received on August 24, 2023.

The project includes installation of three 3,000 buried concrete storage tanks and associated piping and appurtenances to connect to the water system. The tanks have already been installed but are not yet operational.

Under OAR 333-061-0060(1)(b), submittals must be prepared by a Professional Engineer registered in Oregon, unless exempted by DWS. An exemption was approved for this submittal. Note that by utilizing this exemption, the water system takes full responsibility for the design of the project.

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

- A fence or other vandal deterrence must be provided for the reservoir. I understand that a fence will be installed this summer.
- The roof access hatches must have curbing around the openings and a lockable watertight cover that overlaps the curbing. I could not determine whether or not the Orenco lids meet these requirements. Photos can be provided to show how the lids meet the hatch requirement.
- A silt stop must be provided at each of the outlet pipes. This requirement is generally

met by showing that the outlet pipe is located off the bottom of the tank.

- Disinfection of the reservoir prior to use must be accomplished according to AWWA Standard C652. Coliform bacteria sample result(s) must be submitted after disinfection of the reservoir 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.** Documentation demonstrating how the above conditions were met should reference Plan Review #21-2023 and can be emailed to me at [Carrie.L.Gentry@oha.oregon.gov](mailto:Carrie.L.Gentry@oha.oregon.gov).

**In addition to the above conditions, I have the following comments:**

- Footing drains are generally required for tanks that are located at least partially underground. I understand that the tanks are installed, and no footing drains were installed. This construction standard still applies but will be paused barring any issues with the installation.
- A drain to daylight with flapper valve over the drainpipe is another construction standard that was not met. The water system intends to pump the water out if needed. This is an acceptable method for meeting this rule.

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  
Daniel Graber, Western Christian School, [dgraber@wcspioneers.org](mailto:dgraber@wcspioneers.org)