



2 April 2024

David Jacob  
Hydra Engineering  
PO Box 327  
Rhododendron Oregon 97049

Sent via [email](#)

Re: **Concrete Storage Tank (5,000 gal)**  
**Columbia Hills HOA – WS # [06118](#)**  
**Conditional Approval – PR # [206-2015](#)**

Mr. Jacob:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plans after building the concrete 5,000-gallon storage tank for Columbia Hills HOA. On 31 March 2024, our office received As-builts for the storage tank, and a combined water system schematic. Payment was received in 2015. (The spring plans were never developed.)

**The plans are approved with the following conditions** {unless otherwise noted, rule references are from [OAR 333-061-0050...](#) }:

- Concrete was sufficiently reinforced (6)(a)(D)
- If fire hydrants are installed, sufficient storage capacity (6)(a)(H)
- Internal ladder is accessible from manway (6)(a)(K)
- The vented shoebox style lid is lockable (6)(a)(J)
- Facilities properly disinfected using AWWA C652 (10)(e)
- All items in contact with potable water must meet NSF Standard 61. [333-061-0087\(5\)](#)
- A [Land Use Compatibility Statement](#) signed by Columbia County must be submitted prior to the project receiving final approval.

**I also have the following comments:**

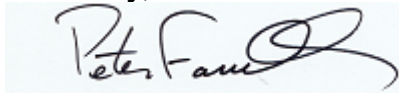
- Note that lead and copper sampling was increased to two six-month demonstration rounds in 2023. Additionally, however, use this form – [EPA 141-A](#) – to identify the five new, or newly considered, sites once the two water systems – [Columbia Hills HOA](#) & [Columbia Hills HOA-Upper](#) – are combined.  
The combination of water systems and sources necessitated this increased monitoring.
- Please submit information that demonstrates how the water system meets OAR 333-061-[0050\(5\)\(e\)](#): “Provisions shall be made to alert the water supplier before the chlorine supply is exhausted.” This requirement can be satisfied by either installing a low-level alarm or by creating a procedure to check the tank daily.

**Until we receive verification that the conditions have been met and final approval has been issued, the storage tank is not approved for use.** Upon any more modifications to 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 #206-2015 and can be emailed to me at [peter.r.farrelly@oha.oregon.gov](mailto:peter.r.farrelly@oha.oregon.gov) or mailed to:

Attn: Pete Farrelly  
OHA-Oregon Drinking Water Services  
PO Box 14450  
Portland, OR 97293-0450

If you have any questions, please feel free to call me at 971.201.6428.

Sincerely,



Pete Farrelly, PE  
Regional Engineer  
Drinking Water Services

cc: Daniel Osborn, Columbia County HD  
Mike Stone, Columbia Hills HOA