

Application for Waiver from Construction Standards for Public Water Systems

Water System Name Chehalem Valley Winery Tasting Room PWS ID [95731](#)
Project or Facility 5,300 Potable Water Tank County Yamhill
Need for waiver identified: ☐ Water System Survey Date of Survey N/A
☒ Plan Review # [28-2024](#)

Construction standard requested to be waived: [OAR 333-061-0050 \(6\)\(a\)\(K\)](#)

(K) Internal ladders of durable material, shall be provided where the only access manhole is located on the roof;

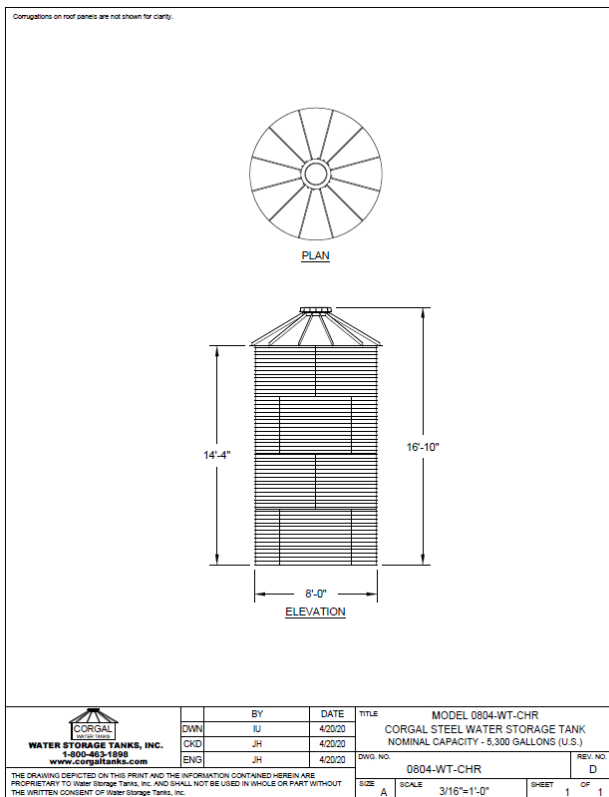
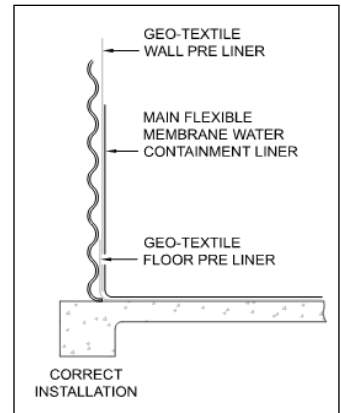
As provided under OAR 333-061-0055, the Department may grant waivers from the construction standards prescribed by these rules:

- (a) When it is demonstrated to the satisfaction of the Department that strict compliance with the rule would be highly burdensome or impractical due to special conditions or causes; and
- (b) When the public or private interest in the granting of the waiver is found by the Department to clearly outweigh the interest of the application of uniform rules; and
- (c) When alternate measures are provided which, in the opinion of the Department, will provide adequate protection to the health and safety of the public including the ability to produce water which does not exceed the maximum contaminant levels listed in rule 333-061-0030.

Describe situation that conflicts with the standard. The only access to the inside of the manufactured 5,300-gallon CorGal potable water storage tank (manufactured by Water Storage Tanks, Inc.) is on the roof. The tank has an exterior ladder, however, the tank does not have a permanently affixed internal ladder.

Describe why meeting the standard is highly burdensome or impractical. The manufactured tank is relatively small and has an internal liner system (as shown), which makes affixing an internal ladder difficult and may void the tank manufacturer's warranty as this is not a standard construction feature for this style of tank. The tank has an internal liner and a ladder is unable to attach to the walls without damaging the liner.

Describe proposed alternate measure that provide adequate protection to public health and safety. Entry to the tank will be treated as a confined space entry and a stepladder (with padded feet to protect the NSF-61 interior liner from damage) will be lowered into the tank when entry is needed per the manufacturer's instructions as shown below.



Liner Protection

The liner is durable and will provide many years of service if installed and maintained properly. The liner will **NOT** withstand normal foot traffic during installation and routine cleaning. The following precautions are recommended when working inside a tank or walking on the liner.

1. Do not remove the liner from its carton until it is to be installed. Do not cut carton with a knife. Avoid dropping tools or sharp objects on the liner. Do not drag liner excessive distances over floor as the scrim will be exposed and lead to "weeping" type liner leaks.
2. All personnel installing and maintaining liner should do so in bare feet, thin stockings, or soft-sole shoes dedicated to tank installations. In no case should personnel enter tank, beneath liner, or inside liner with shoes or boots on. Wearing shoes may introduce foreign matter which could perforate the flexible liner. In addition, personnel working in bare feet can feel foreign matter that may be remaining on the foundation before it can damage the liner.
3. Access to the tank interior through center hatch or additional access manhole may be made with an extension ladder with padded feet. A permanently installed interior ladder on a pulley system, suspended near the hatch opening is highly recommended. Permanent interior ladders must be designed to be retractable and equipped with proper cushioning on the bottom end of the ladder.
4. Periodic entry between the steel tank and liner, for the purpose of inspection, repair, or readjusting sand overlay, may be made through sidewall wall sheets.
5. An exterior ladder can be supplied (optional). Ladder extends to the top of the foundation.

Attach plans of proposed waiver request or additional supporting information and

- Email your regulator; or
- Email dws.planreview@dhsosha.state.or.us; or
- Mail:

Oregon Health Authority
Drinking Water Services #640
PO Box 14450
Portland, OR 97293-0450

Mitch Alston- Orchard and
Vinyard Supply

Signature

2-11-25

Date

Name Mitch Alston
Address 624 E 3rd st
City/State/Zip Lafayette OR
Telephone Number 971-901-2111

☐ Comments:

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healthoregon.org/pwsplanreview

☐ Attachments:

OHA Use Only

Waiver ID 520-2025

Entered into waiver database ☒

☒ Plan Review Coordinator's notes: Proposed mitigation is an acceptable alternative.

After due consideration the above requested waiver from the construction standards of OAR 333-061-0050 is hereby:

☒ Approved

☐ Denied

Comments: Reservoir hatch must remain locked to address safety issue.

Kari Salis

2/20/2025

Drinking Water Regional Manager Signature
Oregon Health Authority

Date

Waiver database updated ☒