

Application for Waiver from Construction Standards for Public Water Systems

Water System Name City of Amity

PWS ID 00041

Project or Facility WTP-D

County Yamhill

Need for waiver identified: ☐ Water System Survey
☒ Plan Review # 79-2020

Date of Survey

Construction standard requested to be waived: OAR 333-061-0050 (6)(a)(G) and (6)(a)(M).

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. Clearwell is partially buried. The site has been graded to shed water away from the structure. Draining to daylight from below the clearwell is not physically possible.

Describe why meeting the standard is highly burdensome or impractical. The site is flat and daylight drainage cannot be accomplished within the City's property boundaries.

Describe proposed alternate measure that provide adequate protection to public health and safety. (for OAR 333-061-0050(6)(a)(G)): The site has been graded to shed groundwater away from the clearwell structure. Please see sheet C-203 in the attached plan set for information on site grading. Geotechnical explorations found perched groundwater at approximately 3.5 feet below the existing ground surface of 168 feet. Proposed improvements will increase the finished grade to 172.50 feet (clearwell will be constructed in fill material above the natural ground), above the perched groundwater.

For OAR 333-061-0050(6)(a)(M): the clearwell is designed with recessed pumping chambers for the finished water and backwash pumps. Backwash pumps are to be used to drain the clear well to a level below the floor. This allows all but a minimal amount of water in the pump chambers to be removed with the backwash pumps.

Altered by Carrie Gentry to
add details on water table and
to add in waiving of OAR 333-
061-0050(6)(a)(M)

Signature

1.6.21
(updated
3.9.21)

Date

Name Peter Olsen, PE
Address 245 Commercial Street SE Suite 210
City/State/Zip Salem, OR, 97301
Telephone Number

☐ Comments:

☒ Attachments: Sheet C-203

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

OHA Use Only

Waiver ID 2021-368

Entered into waiver database ☒

☒ Plan Review Coordinator's notes: Grading of site to move water away from clearwell and to provide elevation above the perched groundwater provides equivalent protection of footing drains. Use of backwash pumps to remove water from clearwell provides equivalent protection of a drain.

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

☒ Approved Comments:

☐ Denied

Kari Salis

3/9/21

Drinking Water Regional Manager Signature
Oregon Health Authority

Date

Waiver database updated ☒

