



14 September 2022

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Bret Aldrich

Hopewell Water Company
11011 Jerusalem Hill Rd NW
Salem, OR 97304

via email

**Re: 2008 Well Reconstruction (L97853) – PR #66-2018
Hopewell Water Company (WS #00251)
Revised Conditional Approval**

Dear Mr. Aldrich:

Thank you for re-submitting information to the Oregon Health Authority's Drinking Water Services (DWS) for plan review #66-2018 in response to the original conditional approval letter written 22 May 2018. The project involves rehabilitating the well (L97853), and the well's documentation with WRD. In early September 2022 our office received more information to re-evaluate the well and determine it is in fact a properly constructed well drilled into a confined aquifer. Since the well is already drilled, a land use compatibility statement will not be required.

Thank you for responding to several conditions from the 2018 conditional approval letter, enclosed with this letter. However, more information is required.

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

1. The ownership of the land within 100 feet of the well is required. A reduction of this ownership/radius of control may be possible, but it cannot be reduced completely. The water system must have access to its well. Please contact me about the possibility of a waiver, if the 100-foot ownership/radius of control cannot be met. (2)(a)(B)
2. An accessible sample tap is needed. (2)(a)(K)(v)
3. Assure the depth of the static/pumped water in the well is measurable. (2)(a)(K)(iv)

4. Assure total output of the well can be pumped to waste. (2)(a)(K)(vi)
5. Assure ability to measure the total output of the well. (2)(a)(K)(vii)
6. Unless a pitless adapter was installed,
 - a concrete slab must be provided around the well.
 - the casing height must be 12” above the slab.
 - a well house must be provided. If the well house is not a small dog-house style, then it must be provided with light and heat. In all cases it must be lockable.
 - a casing vent with a screened return bend must be provided. (If a pitless adapter was installed, the caps are typically vented.)
7. An initial round of water quality tests (sampled from the well) including IOC, arsenic, nitrate, SOC, VOC, radionuclides, and a coliform bacteria sampling shall be submitted.
8. Since the rest of the water system’s source – Nelson Spring – uses residual maintenance chlorination, water from the new well must meet the water system’s chlorine residual. If the water from the well combines with water from Nelson Spring prior to the point of injection of chlorine, then no additional requirements are necessary. However, if the well water enters the distribution system at a different entry point, then the following conditions apply:
 - a. Assure there are sample taps both before and after chlorination (5)(f)
 - b. Assure provision to alert operator before chlorine supplies are exhausted (5)(e)
 - c. Assure chlorinator piping is designed to prevent backflow contamination (5)(h)
 - d. Assure chlorination is proportional to flow (5)(i)
 - e. Use a DPD test kit, or other EPA-approved test, to measure residual (5)(g)
 - f. All chemicals in contact with the water must be NSF-60 certified -0087(6)
 - g. All wetted parts must conform to NSF Standard 61, or equivalent certification -0087(5)

Until we receive verification that the conditions have been met and final approval has been issued, the well is not approved for use. Documentation demonstrating how the above conditions were met should reference Plan Review #66-2018.

In addition to the above requirements, I have the following comments:

- Note that increased lead and copper sampling of the distribution system will be required

once final approval is issued. The water system will be required to conduct two 6-month rounds at the original number of sample sites (5), with the new well in use.

- Review Hopewell Water Company's monitoring schedule on [Data Online](#) at yourwater.oregon.gov
- Water rights must be obtained as required by Oregon Water Resources Department. The existing water rights for the springs may not apply to the well.

If you have any questions, please contact me using the information above.

Sincerely,



Pete Farrelly, PE
Regional Engineer
[Drinking Water Services](#)

enc: 2018 conditional approval letter

ec: [Michael Wilt](#), Hopewell WC
[Gary Van Der Veen](#), Yamhill County Public Health
[Melissa Wong](#), Yamhill County Public Health
[Joel Plahn](#), Oregon Water Resources Department
[Nicole Alfafara](#), REHS, OHA/DWS
[Carrie Gentry](#), PE, OHA/DWS