



20 July 2023

Mike Stone

50606 Crystal Ridge Drive
Scappoose Oregon 97056

Sent via email

Re: **Wells #14 (L139460, COLU55705) – PR# 136-2020**
Columbia Hills HOA – WS # 06118
Conditional Approval

Dear Mr. Stone:

Thank you for your submittal via David Jacob of Hydra Engineering to the Oregon Health Authority's Drinking Water Services (DWS) of plans for the well drilled January 2021 for Columbia Hills HOA. On 6 January 2022, our office received information for the drilled well, an approved well report, and arsenic, coliform, and nitrate results.

A DWS hydrogeologist reviewed Well #14. He noted that the well draws water from a shallow confined sedimentary bedrock aquifer, and that neither the well nor the aquifer are highly sensitive to potential contaminant sources from local land use practices. Also, importantly, there appears to be no current influence on the well from the nearby springhead about 150 feet away.

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

- If site is prone to flooding well casing must be raised. (2)(a)(F)
 - (Consider flooding could be higher than in centuries past nowadays.)
- Assure the depth of the static/pumped water in the well is measurable. (2)(a)(K)(iv)
- Assure there is a flowmeter or ability to measure total output. (2)(a)(K)(xii)
- Assure a sampling tap exists. (2)(a)(K)(v)
- Assure the total output can be pumped to waste. (2)(a)(K)(vi)

- All items in contact with potable water must meet NSF Standard 61. 333-061-0087(5)

While some monitoring results were submitted, more is yet needed due to the eventual use of this well in a Community water system. Submit synthetic organics, volatile organics, and radiologicals.

Until we receive verification that the conditions have been met and final approval has been issued, the project is not approved for use. Upon completion of 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 #136-2020 and can be emailed to me at 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 contact me at 971.201.6428.

Sincerely,



Pete Farrelly, PE
Regional Engineer
Drinking Water Services

ec: [David Jacob](#), P.E., Hydra Engineering
[Daniel Osborn](#), Columbia County HD