



PUBLIC HEALTH DIVISION
Drinking Water Services
Tina Kotek, Governor

Oregon
Health
Authority

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December 21, 2023

Ben Haws, PE
J-U-B Engineers, Inc.
3611 S. Zintel Way
Kennewick, Washington 99337

**Re: New Well, Plan Review #97-2023, Project PATH Water System, PWS ID #4195716
Preliminary Approval**

Dear Ben:

Thank you for your submittal of plan review information to the Oregon Health Authority's Drinking Water Services (DWS). On July 18, 2023, a site plan and proposed well drilling specifications were received. A signed Land Use Compatibility Statement was received on July 19, 2023. The plan review fee of \$825 was received on July 21, 2023. The driller's log for the well was received on October 27, 2023. Plans for the well head piping were received on November 21, 2023. These plans were reviewed and found to include all the required provisions in the DWS construction standards. Preliminary approval for the project is granted.

The well construction was reviewed by our staff hydrogeologist who provided the following comments:

Based on information provided on well log UMAT 59117/L144361, the well appears to meet current construction standards for a well constructed into a consolidated formation. (See OAR 690-210-0150 and 690-210-0155.) The well seal extends from land surface to a depth of 240 feet below ground surface (ft bgs) and is sealed 8 feet into hard gray basalt. The driller used an appropriate amount of sealant (bentonite chips: 14 sacks and cement: 54 sacks) to seal the well. Three water bearing zones were encountered during the drilling process. The well driller sealed through the upper two water bearing zones (36-41 and 207-214 ft bgs). The water bearing zone that will supply water to the water system was encountered at a depth of 262 ft bgs and the static water level rose to a depth of 156 ft bgs. The rise in static water level is an indication that the aquifer is under hydrostatic water pressure and is considered confined.

I also have the following comments:

1. I recommend consulting with the local Oregon Water Resources Department watermaster, Greg Silbernagel, regarding the potential need for a water right for the well. His phone number is 541-278-5456.
2. I note that coliform samples collected from the new well on November 27, 2023 and November 30, 2023 both tested positive for total coliform bacteria. It is my understanding the well will be batch chlorinated and resampled in an attempt to obtain negative results. Should the well water continue to show the presence of coliform bacteria, a disinfection treatment system may be required.
3. Lab reports for the required initial chemical samples were received on December 21, 2023. The results show the water quality standards for nitrate and arsenic are met.
4. Please submit the make/model of the well pump and the depth the pump bowls are set.
5. The main web page for the water system is online here:
<https://yourwater.oregon.gov/inventory.php?pwsno=95716>

Until it is verified that the project meets the construction standards in OAR 333-061-0050 and Final Approval is granted for the project, the new facilities are not approved for use. If you have any questions or would like this in an alternate format, please feel free to call me at (541) 966-0900 or email at william.h.goss@oha.oregon.gov .

Sincerely,



William Goss, PE
Regional Engineer

c: Julie Wray, OHA–DWS, Portland, OR
Scott Coleman, City of Umatilla (pdf copy only)
Leon Scheel, City of Umatilla (pdf copy only)
Andres Romero, PE, JUB Engineers, Inc. (pdf copy only)
Lisa Siefken, PE, JUB Engineers, Inc. (pdf copy only)
Greg Silbernagel, Oregon Water Resources Department (pdf copy only)
Tommy Laird, Oregon Water Resources Department (pdf copy only)