

October 13, 2025

Scott Roe
City of Pendleton
500 SW Dorion Avenue
Pendleton, Oregon 97801

**Re: New Well 11B, Plan Review #100-2022, City of Pendleton, PWS ID #4100613
Final Approval**

Dear Scott:

Thank you for your submittal of plan review information to the Oregon Health Authority's Drinking Water Services (DWS). The well driller's report was received on May 15, 2023. A lab report for coliform bacteria was received on September 8, 2025. A lab report for the chemical analysis was received on October 13, 2025. A site visit conducted on September 3, 2025, confirmed all the required features were present for the well and chlorination system. **Final approval is granted for the new well and it is approved for use.**

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

The well UMAT 59063/L136256's 20-inch casing is sealed from the ground surface to 257 feet below ground surface (bgs) with 276 sacks of cement. The well driller used more than the calculated amount of cement (104-139 sacks) to seal the well. The well appears to meet OWRD's minimum well construction standards. The well was drilled to a depth of 400 feet bgs and is sealed 15 feet into unfractured basalt (hard black basalt). The well produces from the Columbia River Basalt aquifer which is under hydrostatic pressure. Three water bearing zones were noted below the seal. The first water bearing zone was encountered at 259 feet bgs and rose to 212 feet bgs. The second water bearing zone was

encountered at 280 feet bgs and rose to 209.64 feet bgs. The third water bearing zone was encountered at 341 feet bgs and rose to 209.4 feet bgs. The rise in static water level was not significant so the three water bearing zones may be part of the same aquifer. The rise in static water level in the three water bearing zones is an indication that the aquifer is confined.

I also have the following comments:

- It is my understanding that the required raw water sample tap was installed upstream of the chlorine injection point. Please provide a photo of the tap to document this.
- The long-term sampling schedule for the well will be provided in a separate communication.
- It is my understanding that water quality parameter samples for pH, alkalinity, temperature, calcium, chloride, sulfate will be collected from the new well and other nearby wells to help determine if the water chemistry is similar.

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
Jeff Brown, City of Pendleton (pdf copy only)
Will Kirby, PE, Murraysmith (pdf copy only)
Tommy Laird, OWRD (pdf copy only)
Ken Thiemann, OWRD (pdf copy only)
Greg Silbernagel, OWRD (pdf copy only)