



August 24, 2018

Darren Koch  
Crane Union High School  
P.O. Box 828  
Crane, Oregon 97732

**Re: New Well, Plan Review #106-2018, Crane Union High/Elementary SD 1J, PWS ID# 4190548  
Site Plan Approval**

Dear Darren:

Thank you for your submittal of plan review information for the proposed new well at Crane Union High/Elementary to the Oregon Health Authority's Drinking Water Services (DWS). The new well will provide a new water source and address the issue of the pressure sewer line being located within the setback area of the school's current well. Details of the proposed construction were provided by Tony Hackett with Down Right Drilling & Pump, Inc. by phone on July 23, 2018. On August 6, 2018, our office received a site plan, a signed Land Use Compatibility Statement, and the plan review fee of \$825.

The proposed location for the planned new well is approved. The well construction plans have been reviewed by our staff hydrogeologist who provided the following comments:

Well logs (HARN 51828/L88123 and HARN 1263) near the proposed well location indicate that there are two separate aquifers: a shallow basin fill alluvial aquifer and a deeper volcanic/basalt aquifer. The well driller is proposing to drill down and place a cement 20-foot seal into the volcanic/basalt bedrock which is below the basin fill material. Since the proposed well is located within the Greater Harney Valley Groundwater Area of Concern (GHVGAC) (see OAR 690-512), the water system/well driller should contact the Oregon Water Resources Department (OWRD) prior to construction for approval and additional construction standards as needed.

I also have the following comments:

1. All applicable provisions of OAR 333-061-0050(2)(a)(K) regarding piping and appurtenances for the well, including such items as a raw water sample tap, a flow meter, and the ability to pump the well to waste must be met.
2. Please submit a copy of the driller's well log for review as soon as it becomes available.

3. Results of the following water quality samples from the new well must be submitted for review: sets of Inorganic Chemicals (IOCs), Volatile Organic Chemicals (VOCs), Synthetic Organic Chemicals (SOCs), and a coliform bacteria sample.
4. I recommend consulting with the local OWRD Watermaster, J.R. Johnson at 541-573-2591, regarding any necessary water rights requirements.

Until verification that the project was completed according to the plans is received and Final Approval has been granted for the project, the new well is not approved for use. If you have any questions or would like this in an alternate format, please feel free to email me at [william.h.goss@state.or.us](mailto:william.h.goss@state.or.us) or call me at (541) 966-0900.

Sincerely,



William Goss, P.E.  
Regional Engineer

c: Julie Wray, OHA – Drinking Water Services, Portland  
Tony Hackett, Down Right Drilling & Pump, Inc.  
J.R. Johnson, OWRD, Burns

enclosures: OAR 333-061-0050(2), GHVGAC map, “How to Prepare for Your Aquifer Test”