

May 29, 2025

Dan Reitz  
Alderwood Water Dev Co  
30086 Federal Lane  
Eugene, OR 97402-9763

**Re: Corrosion Control Treatment (PR#61-2025)  
Alderwood Water Dev Co (PWS ID#00304)  
Conditional Approval**

Dear Dan Reitz:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the corrosion control treatment for Alderwood Water Dev Co. On February 27, 2024, our office received plans and equipment specifications and a plan review fee of \$248.

The project includes installation of a chemical feed tank and chemical feed pump to inject a caustic soda solution. The caustic soda will be used to increase pH and mitigate lead and copper corrosion.

The plans are approved subject to the following conditions:

*General –*

- Per OAR 333-061-0050(1)(e), only materials designed for potable water service and meeting NSF Standard 61: Drinking Water System Components – Health Effects or equivalent shall be used in those elements of the water system which are in contact with potable water. NSF certification for the chemical feed tank must be provided.

*Corrosion Control Treatment Facilities –*

- Per OAR 333-061-0050(4)(a)(D), laboratory equipment shall be provided so that the water supplier can perform analyses necessary to monitor and control treatment processes. A pH meter, in-line or benchtop must be available for corrosion control process monitoring.
- Per OAR 333-061-0050(4)(a)(E), sampling taps shall be provided before and

following the treatment process and before the first user.

In addition, I have the following comments and recommendations:

- With corrosion control treatment installed and operational, Alderwood Water Dev Co shall perform two 6-month rounds of lead and copper water quality sampling demonstration rounds at the standard sample set number (10 samples total). The water system will need to collect sets of all Water Quality Parameters (WQP) both at the Entry Point (EP) and in the distribution system during lead and copper sampling. Compare pH to applicable tap sample results. Coordinate post installation sampling and monitoring requirements with your OHA regulator.

Note what pH are in the distribution and EP when the lead and copper concentration tap sample results are at their lowest. WQP minimums can be set using existing data and re-evaluated during future rounds. The water system may utilize the DWS Circuit Rider Program for up to ten hours of cost-free assistance with determining these minimum WQP.

- The caustic soda chemical feed rate should be proportional to plant flow rate.
- The water system's operations and maintenance manual should be updated to include information necessary to run and maintain the corrosion control chemical dosing.

**Until we receive verification that the conditions have been met and final approval has been issued, the corrosion control treatment is not approved for use.** Upon completion of the project, the water system 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 #61-2025 and can be emailed to me at [baxter.call@oha.oregon.gov](mailto:baxter.call@oha.oregon.gov). If you have any questions, please feel free to call me at 541-393-4374.

Sincerely,



Baxter Call, PE  
Regional Engineer  
Drinking Water Services

CC: Julie Wray, DWS  
Nicholas Alviani, REHS, DWS  
Brandi Prunty, Alderwood Water Dev Co