



PUBLIC HEALTH DIVISION  
Drinking Water Services

Kate Brown, Governor

Oregon  
**Health**  
Authority

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December 23, 2021

Ben Klayman  
Medford Water Commission  
200 S. Ivy Street, Room 177  
Medford, OR 97501

**Re: Corrosion Control (PR#170-2021)  
Medford Water Commission (PWS ID#00513)  
Conditional Approval**

Dear Ben Klayman:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the corrosion control for the Medford Water Commission (MWC). DWS received plans, specifications, and a plan review fee of \$4,125.

The project reflects the MWC's desire to mitigate aggressive (acidic) source water and the associated possible lead and copper contamination concerns through the using of pH adjustment using sodium hydroxide (caustic soda). The project will include the construction two new sodium hydroxide feed buildings housing two 13,500-gallon tanks containing sodium hydroxide solution. A new feed building will be constructed at both MWC's Big Butte Springs water source and the Duff Water Treatment Plant.

The project shall adhere to all applicable DWS Oregon Administrative Rules (OAR). The submitted plan review material has been reviewed and the following items were noted as specific conditions of final approval:

- New corrosion control treatment using sodium hydroxide shall adhere all applicable sub-sections of OAR 333-061-0034. The project shall ensure
  - Chemicals are injected separately from one another,
  - All additives and equipment are NSF certified,
  - All necessary equipment available to testing water quality parameters,

- Development and/or update to operations and maintenance manual and/or plan.

**Until we receive verification that the conditions have been met and final approval has been issued, the corrosion control 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 #170-2021 and can be emailed to me at [zachariah.cunningham-golik@dhsosha.state.or.us](mailto:zachariah.cunningham-golik@dhsosha.state.or.us).

If you have any questions, please feel free to call me at 541-231-9077.

Sincerely,

Zach Golik, PE  
Regional Engineer  
Drinking Water Services

CC: Julie Wray, DWS Portland