



PUBLIC HEALTH DIVISION
Drinking Water Services

Tina Kotek, Governor

Oregon
Health
Authority

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March 13, 2024

Allen Dahlberg
Public Works Direct
City of Mt. Angel
Via email: adahberg@mtangel.gov

**Re: Residual Maintenance Installation (PR#30-2024)
City of Mount Angel (PWS ID#00544)
Conditional Approval**

Dear Allen:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the residual maintenance project for City of Mount Angel. On March 1, 2024, our office received plans, specifications, and a plan review fee of \$825.

The project includes installation of on-site hypochlorite generation for the purpose of residual maintenance at Well #6. The City had some recent coliform issues that resulted in the requirement to install treatment. Well #7 has residual maintenance installed but the equipment will not be used until the equipment for Well #6 is online.

The plans are approved with the following conditions:

- A sample tap prior to the chlorination injection point is required. A raw water sample tap at the well would serve this purpose.
- Chlorinator piping must be designed to prevent the contamination of the potable water system by backflow of untreated water or water having excessive concentrations of chlorine.
- Testing equipment must be provided to determine the chlorine residual. The equipment must be a DPD-test kit or other EPA approved method of testing.

Until we receive verification that the conditions have been met and final approval has

been issued, the facility 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 #30-2024 and can be emailed to me at Carrie.L.Gentry@oha.oregon.gov.

In addition to the above conditions, I have the following comments:

- Addition of residual maintenance to a water system requires the system to monitor the chlorine residual in the distribution system at least twice per week. The residual should be recorded, with the records made available to the County Health Department during their inspections.
- Under the Ground Water Rule, an annual raw source sample from each source must be taken and analyzed for coliform bacteria once per year. This sample must be taken from the raw water sample tap at each well head. The samples should be marked “Assessment” under the source section of the coliform reporting form.
- Note that increased lead and copper sampling will be required once final approval is issued. The water system will be required to conduct two 6-month rounds at the original number of sample sites (40), with the new treatment in use.

If you have any questions, please feel free to call me at (971) 201-9794.

Sincerely,



Carrie Gentry, PE
Regional Engineer
Drinking Water Services

cc: Chantal Wikstrom, REHS, OHA/DWS
Dan Vaage, PE, Civil West Engineering Services, Inc.