



PUBLIC HEALTH DIVISION
Drinking Water Services

Tina Kotek, Governor

Oregon
Health
Authority

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October 2, 2023

Scott Baker
Middle Fork Facilities Operations Specialist
Forest Service
Middle Fork Ranger District
Via email: Scott.Baker@usda.gov

**Re: Chlorinator Installation (PR#127-2023)
USFS Middle Fork Ranger Station (PWS ID#92813)
Conditional Approval**

Dear Scott:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the chlorinator installation for USFS Middle Fork Ranger Station. On September 12, 2023, our office received photos of the installation. A plan review fee of \$248 was received on September 20, 2023.

The project includes installation of updated chlorination system for residual maintenance purposes. The system does not currently use chlorine. The installation includes existing equipment and a new Stenner feed pump.

Under OAR 333-061-0060(1)(b), submittals must be prepared by a Professional Engineer registered in Oregon, unless exempted by DWS. An exemption was approved for this submittal. Note that by utilizing this exemption, the water system takes full responsibility for the design of the project.

The plans are approved with the following conditions:

- All items in contact with potable water must meet NSF Standard 61 or equivalent. Chemicals must meet NSF Standard 60 or equivalent.
- Please submit information that demonstrates how the water system meets OAR 333-061-0050(5)(e): "Provisions shall be made to alert the water supplier before the chlorine

supply is exhausted.” This requirement can be satisfied by either installing a low level alarm or by creating a written procedure to check the tank regularly.

- 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. Documentation demonstrating how the above conditions were met should reference Plan Review #127-2023 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 (10), 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: Amy Bleekman, REHS, OHA/DWS
Nicholas Alviani, REHS, Lane County Environmental Health
Carlos Velez, USFS Middle Fork Ranger Station, Carlos.J.Velez@usda.gov