



PUBLIC HEALTH DIVISION
Drinking Water Services

Tina Kotek, Governor

Oregon
Health
Authority

800 NE Oregon Street, #640
Portland, OR 97232-2162
Phone: 971-201-9794
Fax: 971-673-0694
www.healthoregon.org/dwp

August 24, 2023

Amanda Wallace
Sunset Acres Water Co-op Inc.
Via email: jerandama@gmail.com

**Re: Residual Maintenance Installation (PR#96-2023)
Sunset Acres Water Co-op Inc (PWS ID#00114)
Conditional Approval**

Dear Amanda:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the residual maintenance installation for Sunset Acres. On July 17, 2023, our office received a narrative of the proposed installation and a plan review fee of \$248.

The project includes installation of sodium hypochlorite feed system including an electric pump and day tank. The installation of residual maintenance is required for the system due to multiple detections of coliform.

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.
- A sample tap prior to chlorination is required. If there is a raw water sample tap at the well head that would be acceptable.
- 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 #96-2023 and can be emailed to me at Carrie.L.Gentry@oha.oregon.gov.

In addition to the above conditions, 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 (5), 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: Michelle Byrd, REHS, OHA/DWS
Jeff Freund, REHS, Deschutes County Health Department