

Tina Kotek, Governor

March 14<sup>th</sup>, 2025

Jeff Miller  
Milo Academy  
PO Box 278  
Days Creek, OR 97429

*sent by email only*

**Re: Disinfection System (PR#31-2025)  
Milo Academy (PWS ID#00250)  
Conditional Approval**

Dear Milo Academy:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the disinfection system for Milo Academy. On February 27<sup>th</sup>, 20225, DWS received engineered drawings, product information and a plan review fee of \$248.

The project includes the replacement of the existing gas chlorination system with a new sodium hypochlorite chlorination system. The new hypochlorite system will be installed in the same general location as the gas chlorination system and injected prior to the clearwell. The work will take place at the Milo Academy's water treatment plant on the Milo Academy campus in Days Creek, Oregon.

The plans are approved subject to the following conditions:

*General-*

- New sodium hypochlorite chlorination chemicals shall be meet NSF standards. Demonstrate the sodium hypochlorite chemical being planned for use meets NSF standards. Reference OAR 333-061-0050(1).

*Facilities for disinfection and disinfectant residual maintenance-*

- Verify there is sufficient contact time provided to achieve disinfection under all flow conditions between the point of disinfectant application and the point of first water use. The water system shall conduct a new tracer study per EPA standards in

unison with the installation on the new chlorination system. Provide tracer study proposal prior to performing tracer study. Provide tracer study results once complete. The existing clearwell will need to have the ability to record/measure minimum volume. Refer to OAR 333-061-0050(5).

- Sample taps shall be provided before and after the point of the new disinfectant application. A sample tap will need to be installed after the chlorine contact chamber (clearwell) and at the first user for the purpose of monitoring the free chlorine residual, temperature and pH. Provide verification these sample taps are installed. Reference OAR 333-061-0050(5)(f).

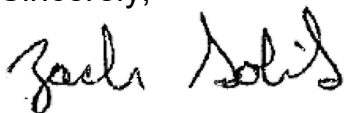
*Finished water storage-*

- Clearwells that are to be used for disinfection contact time to treat surface water shall have a means to adequately determine the flow rate on the effluent line. Verify the effluent line of the existing a clearwell to be used for contact time has a means to measure/record the daily peak hourly flow in gallons per minute at the effluent of the clearwell. Refer to OAR 33-061-0050(6)(a)(S).

**Until we receive verification that the conditions have been met and final approval has been issued, the disinfection system is not approved for use.** 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 #31-2025 and can be emailed to me at zachariah.cunningham-golik@oha.oregon.gov.

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

Sincerely,



Zach Golik, PE  
Regional Engineer  
Drinking Water Services