

February 18, 2025

Todd Gregory
Willowcreek Store & Café
2475 11th Avenue E
Vale, Oregon 97918-5156

**Re: Nitrate Treatment, Plan Review #16-2025, Willowcreek Store & Cafe, PWS ID# 4193646
Conditional Approval**

Dear Todd:

Thank you for your submittal of plan review information for the proposed nitrate treatment system at Willowcreek Store & Café to the Oregon Health Authority's Drinking Water Services (DWS). On January 30, 2025, our office received specifications for the proposed treatment system. The plan review fee of \$248 was received on February 11, 2025. The project consists of installing an ion exchange system with ResinTech SBG2-HP media for nitrate removal, an Ecowater EWS070S resin tank, a brine tank, and related piping and appurtenances.

The plans are approved with the following conditions:

- A sample tap must be installed upstream of the treatment system.
- The brine tank must be certified to NSF Standard 61 or equivalent.
- A written Operation & Maintenance Manual must be developed for the treatment system. The manual must include guidelines on when the media should be replaced, backwash/regeneration procedures, and other critical aspects of the system.

I also have the following comments:

- I note that the schematic does not show any bypass piping. If bypass piping is installed around the treatment system, there must be a physical separation in the piping, such as a gap for a removable spool that could be installed in the event the bypass must be used.
- A lab report from a nitrate sample of treated water must be submitted for review after the system is installed. Treated samples will be required quarterly for a year, after which the results will be reviewed to see if a reduction can be granted.

- Evan Magner with Malheur County Environmental Health should be consulted regarding the disposal of any backwash/regeneration water.

Until verification that the project was completed according to the plans is received and Final Approval has been granted for the project, the treatment system is not approved for use. If you have any questions or would like this in an alternate format, please feel free to call me at (541) 966-0900.

Sincerely,



William Goss, P.E.
Regional Engineer

c: Julie Wray, OHA – Drinking Water Services
Jeff Painter, Lindsay Ecowater, Ontario
Evan Magner, REHS, Malheur County Environmental Health (pdf copy only)

