

September 5, 2025

James Beard – jbeard.loan@gmail.com

A River Runs Through
711 Medford Center, PMB 126
Medford, OR 97504

**Re: Nitrate Removal System (PR#2025-113)
A River Runs Through (PWS ID#95342)
Conditional Approval**

Dear James Beard:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the nitrate removal treatment for A River Runs Through. On August 29, 2025, our office received plans and specifications and a plan review fee of \$248.

The project includes new pH adjustment and new cation exchange and base anion resin mix for nitrate removal. The pH adjustment equipment is two filter tanks filled with the media Puri-Cal (calcite). The nitrate removal equipment is two filter tanks filled with new cation exchange (Resintech CG8) and base anion (Purolite A-520E) resin mix. There is also a new salt brine tank and other incidental piping and appurtenances included in the installation. The peak flow rate through the system is 15 gpm.

The plans are approved subject to the following conditions:

1. After installation, the water system must submit a treated nitrate sample with results below the MCL.
2. Since the system adds chlorine for residual maintenance before the nitrate removal equipment, please confirm the dosage of the chlorine is adjusted, if needed, to continue having a detectable residual in the distribution system.

Until we receive verification that the conditions have been met and final approval has been issued, the new nitrate removal system 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 #2025-113 and can be emailed to me at rebecca.a.templin@oha.oregon.gov.

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

- DWS recommends updating the operations and maintenance (O&M) manual to include procedures for maintaining the new equipment, replacing media, etc.
- Disposal of any waste products need to be acceptable to the Department of Environmental Quality (Oregon DEQ). This should also be included in the O&M manual.
- Nitrate sampling will remain quarterly for the first year. If sample results come back consistently below the MCL, then monitoring may be reduced to yearly (OAR 333-061-0036(2)(c)(B)).

If you have any questions, please feel free to email me at rebecca.a.templin@oha.oregon.gov or call me at (541) 650-4868.

Sincerely,



Rebecca Templin, PE
Regional Engineer
Drinking Water Services

cc: File, DWS
Tony George, Jackson County Public Health – GeorgeJG@jacksoncountyor.gov
Joseph Little, EIT, Civil West Engineering Services, Inc. – jlittle@civilwest.net