



17 September 2021

Shannon Tice
McNulty Water PUD
PO Box 260
St. Helens, OR 97051

via email

**Re: Arsenic Treatment with Ion Exchange (PR#2021-115)
McNulty Water PUD (WS ID# 00725)
Conditional Approval**

Ms. Tice:

Thank you for submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for addition centralized arsenic treatment at McNulty Water PUD. On 13 July 2021 DWS received a fee of \$825 and plans. Plans include a vicinity map, site map, and a cut-sheet for MetSorb's® ion exchange treatment was received September 15th. DWS grants the project conditional approval.

The project is designed to expand capacity, if needed, and to provide up to 40 µg/L arsenic treatment at up to 120 gpm. Ostensibly, MetSorb's® ion exchange treatment will also effectively remove arsenic III, as well as arsenic V. Therefore, speciation of the arsenic contaminant was deemed unnecessary.

The plans are approved conditional on the following:

1. Monitoring of arsenic concentration at the entry point is at least quarterly per OAR 333-061-0036(2)(a)(D) for at least 1 year;
2. There is a sample tap at or before the first user per OAR 333-061-0050(2)(a)(K)(v);
3. Assure all wetted media & appurtenances are certified to NSF standards 60 & 61;
4. Disinfection of the wetted appurtenances is completed according to AWWA C651 through C654 per OAR 333-061-0050(10)(a).

I have the following comments:

- Disposal of media containing arsenic is acceptable to Oregon Department of

Environmental Quality.

- It is recommended to monitor at the entry point monthly for the first quarter and less often if arsenic concentrations do not rise nor exceed the MCL of 10 $\mu\text{g}/\text{L}$.

Until DWS receives verification that the conditions have been met and final approval has been issued, the treatment is not approved for use. Documentation demonstrating how the above conditions are met should reference Plan Review #2021-115 and can be emailed to me or mailed to:

Attn: [Pete Farrelly](#)
OHA-Oregon Drinking Water Services
PO Box 14450
Portland, OR 97293-0450

If you have any questions, please feel free to call or email me.

Sincerely,

A handwritten signature in black ink, appearing to read "Pete Farrelly", is shown on a light blue rectangular background.

Pete Farrelly, PE
Regional Engineer
Drinking Water Services

cc: Anne Boutwell, Tyler Joki, Paul Stull, John Christiansen, AKS Engineering
Robert Trotter, McNulty Water PUD
Daniel Osborn, Columbia County Environmental Health