



January 20, 2021

Tom Jarmer  
Paradise/Rogue Meadow WS  
PO Box 778  
Clackamas, OR 97015

**Re: Arsenic Treatment (PR#178-2020)  
Paradise/Rogue Meadows Water System (PWS ID#00268)  
Conditional Approval**

Dear Tom Jarmer:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the arsenic treatment for Paradise/Rogue Meadows Water System. On January 14, 2021, DWS received plan review material and a plan review fee of \$248.

The project includes the installation of an ion exchange treatment system for centralized arsenic filtration at the Paradise/Rogue Meadows Water System. The new arsenic treatment system replaced a pre-existing arsenic treatment system.

The plans are approved with the following conditions:

- Per OAR 333-061-0050(4), please provide detailed calculations showing that the new arsenic treatment system has the capacity to accommodate the peak daily flow demand of the water system. Consideration should be given to times when the water system's two 5000-gallon storage tanks are at a minimum volume or the volume is nonexistent.
- Per OAR 333-061-0050, piping at the arsenic treatment unit shall be built such that untreated water cannot bypass the arsenic treatment unit. Disconnect/remove any piping that allows for the arsenic treatment system to be bypassed.
- Per OAR 333-061-0065, provide evidence the water system has an updated operations and maintenance manual associated with the new arsenic treatment system. The

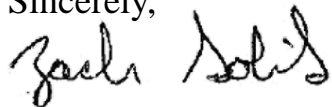
updated manual should reflect the required maintenance for the arsenic treatment system, such as the schedule to replace media, coagulant dosage guidelines and filter backwash procedures.

- Certification as prescribed by OAR 333-061-0210 through 333-061-0272 is required for personnel in direct responsible charge of operations for a treatment system in a community water system. Identify personnel responsible for operation of the new arsenic treatment system and ensure they meet the requirements set forth in OAR 333-061-0210 through 333-061-0272.
- Per OAR 333-061-0036(10)(d)(B)(ii), the water system must monitor for potential lead and copper water concentration changes during two consecutive 6-month periods no later than 12 months after the deadline for installing treatment in association with the replaced centralized arsenic treatment and its potential water system chemistry change.

**Until we receive verification that the conditions have been met and final approval has been issued, the new arsenic treatment 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 #178-2020 and can be emailed to me at [ZACHARIAH.CUNNINGHAM-GOLIK@dhsosha.state.or.us](mailto:ZACHARIAH.CUNNINGHAM-GOLIK@dhsosha.state.or.us)

If you have any questions, please feel free call me at 541-913-3683.

Sincerely,



Zach Golik, PE  
Regional Engineer  
Drinking Water Services

cc: Julie Wray, DWS Portland  
Susan Baker, Jackson County Health Department