

September 16, 2025

Edward P. Hodges, PE
CURRAN-McLEOD, INC.
Via email: eph@curran-mcleod.com

**Re: 2025 Water System Improvements (PR#101-2025)
Bethel Park (PWS ID#00151)
Conditional Approval**

Dear Ed:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the water system improvements project for Bethel Park. On August 6, 2025, our office received plans and a land use compatibility statement. A plan review fee of \$825 was received on August 7, 2025. A geotechnical report was received on August 19, 2025.

The project includes installation of a 185,000-gallon concrete reservoir; a new treatment building with green sand filtration for removal of iron and manganese, sodium hypochlorite injection and pumping facilities; and associated appurtenances.

The plans are approved with the following conditions:

- All items in contact with potable water must meet NSF Standard 61 or equivalent. Chemicals must meet NSF Standard 60 or equivalent.
- Per OAR 333-061-0050(6)(a)(D), concrete reservoirs must be provided with sufficient reinforcing to prevent the formation of cracks, and waterstops and dowels must be placed at construction joints. Poured-in-place wall castings must be provided where pipes pass through the concrete.
- The outlet end of the drain/overflow must be fitted with angle-flap valve or equivalent protection.
- Disinfection of the reservoir prior to use must be accomplished according to AWWA Standard C652.
- A raw water sample tap prior to the application of chlorine is required. If each well has a raw water sample tap at the well head, this suffices to meet this requirement.
- Chlorinator piping must be designed to prevent the contamination of the potable

water system by backflow of untreated water or water having excessive concentrations of chlorine.

- Testing equipment must be provided to determine the chlorine residual. The equipment must be a DPD-test kit or other EPA approved method of testing.

Until we receive verification that the conditions have been met and final approval has been issued, the facility 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 #101-2025 and can be emailed to me at Carrie.L.Gentry@oha.oregon.gov.

Note that application of chlorine without complete quenching post-filtration will require additional sampling requirements, including disinfection by-product sampling, two 6-month rounds of lead and copper sampling at an increased number of sample sites, and ongoing residual monitoring in the distribution system.

If you have any questions, please feel free to call me at (971) 201-9794.

Sincerely,



Carrie Gentry, PE
Regional Engineer
OHA-Drinking Water Services
Carrie.L.Gentry@oha.oregon.gov

cc: Greg DeBlase, REHS, Marion County Health Department
Chantal Wikstrom, REHS, OHA/DWS
Phillip Merrill, info@merrillwater.com