

November 5, 2024

Katamarina Wright
Glide Water Association
PO Box 384
Glide, OR 97443

**Re: Water Treatment Plant (PR#113-2024)
Glide Water Association (PWS ID#00326)
Conditional Approval**

Dear Katamarina Wright:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the water treatment addition for the Glide Water Association. On October 3, 2024, our office received drawings, calculations and a plan review fee of \$3,300.

The project includes the installation of additional conventional filtration at the existing Glide Water Association water treatment plant to increase treatment capacity with the public water system. The additional package plant flocculation, sedimentation and filtration will be installed adjacent to the existing package plant treatment train and mirror the existing treatment process. A filtration treatment removal credit of 2.5-log Giardia and 2-log Cryptosporidium is being sought for the proposed new treatment. Exterior water lines around the treatment plant will also be modified. All work will be located at the Glide Water Association water treatment plant in Glide, Oregon.

The plans are approved with the following conditions:

Water treatment facilities (other than disinfection) -

- Upon completion of the new package treatment plant addition, the water treatment facilities shall be capable of producing water which consistently does not exceed MCLs. Please reference OAR 333-061-0050(4).
- Flocculation, sedimentation and filtration design times and/or rates appear to be

within the design parameters of the EPA's *Guidance Manual for Compliance with the Filtration and Disinfection Requirements for Public Water Systems using Surface Water Sources* and the *Recommended Standards for Water Works*. Upon completion of the new treatment train, provide as-built information (i.e. flow rates, detention time, loading rates, etc.). Reference OAR 333-061-0050(4).

Facilities for disinfection and disinfectant residual maintenance-

- The proposed new tracer study has been reviewed for changes in the disinfection contact time and DWS generally concurs with the submitted methodology. Prior to the Glide Water Association making changes to the contact chambers minimum contact volume and/or peak hourly flow, a new tracer shall be performed demonstrating desired actual CT can meet the applicable required CT. Reference OAR 333-061-0050(5) and OAR 333-061-0050(6)

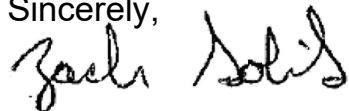
Distribution systems-

- Submit as-built of distribution additions and modifications showing the applicable requirements of OAR 333-061-0050(8) are met.

Until we receive verification that the conditions have been met and final approval has been issued, the treatment project is not approved for use. For waterline projects, note that engineers must inspect/be prepared to sign off before burying lines. 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 #113-2024 and can be emailed to me at zachariah.cunningham-golik@oha.oregon.gov.

If you have any questions, please feel free to call me at 541-231-9077.

Sincerely,



Zach Golik, PE
Regional Engineer
Drinking Water Services