



March 27, 2024

Debra Hallmark  
Guptil Subdivision  
PO Box 21  
Otis, OR 97368

Re: **Disinfection Residual Maintenance (PR# 2024-40)**  
**Guptil Subdivision (PWS# 00602)**

Dear Debra Hallmark:

Thank you for your submittal of plan review information for the new disinfection residual maintenance for Guptil Subdivision to the Oregon Health Authority's Drinking Water Services (DWS). On March 22, 2024, our office received construction details/narrative. On March 22, 2024, our office also received the plan review fee of \$248. At this time DWS grants conditional approval.

The project includes installation of a Stenner 85MHP17 pump with a 30-gallon polyethylene chemical solution tank, and purchase of a Hach DR300 Pocket Chlorine Colorimeter.

The plans are approved with the following conditions:

1. Sample taps shall be provided before and after disinfectant application (OAR 333-061-0050(5)(f)). Pre-disinfection samples may be collected from a raw water sample tap on the wellhead.
2. Provisions shall be made to alert the water supplier before the chlorine supply is exhausted (OAR 333-061-0050(5)(e)). This requirement can be satisfied by either installing a low level alarm or by creating a written procedure to check the chlorine feed tank level daily.
3. Chlorinator piping shall be designed to prevent the contamination of the potable water system by backflow of untreated water or water having excessive concentrations of chlorine (OAR 333-061-0050(5)(h)).
4. Materials which come into contact with drinking water supplied by public water

systems must be certified to NSF Standard 61 (OAR 333-061-0087(5)).

5. Chemicals added to public water systems for disinfection treatment purposes shall meet the requirements of NSF Standard 60 (OAR 333-061-0087(6)).

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

1. Update the operations and maintenance plan to include product specifications, maintenance, and monitoring protocols for equipment and chemicals used in residual maintenance.
2. Addition of residual maintenance to a water system requires the system to monitor the chlorine residual in the distribution system at least twice per week. The residual should be recorded, with the records made available to the County Health Department during their inspections.

**Until we receive verification that the project was completed with the conditions listed above met and we have granted Final Approval for the project, the new disinfection residual maintenance is not approved for use.** Documentation demonstrating how the above conditions were met should reference Plan Review #2024-40 and can be e-mailed to me at [baxter.call@oha.oregon.gov](mailto:baxter.call@oha.oregon.gov) or mailed to:

Attn: Baxter Call  
OHA-Oregon Drinking Water Services  
800 NE Oregon Street, Suite 640  
Portland, OR 97232-2162

If you have any questions or would like this letter in an alternate format, please feel free to call me at (541) 393-4374.

Sincerely,

Baxter Call, P.E.  
Regional Engineer  
Drinking Water Services  
[baxter.call@oha.oregon.gov](mailto:baxter.call@oha.oregon.gov)

ec:

- File, DWS Portland
- Kaline Chavarria, Lincoln County Health & Human Services