

February 8, 2021

Matt Olsen
Hiland WC-Riverbend
P.O. Box 699
Newberg, OR 97132

**RE: Groundwater under the Influence of Surface Water Determination
Compliance and Interim Operation Plan Follow up Letter-Hiland WC-
Riverbend PWS#41-00601**

To Mr. Olsen:

Based on the infiltration gallery (SRC-AA) recently being determined as Groundwater Under the Direct Influence of surface water (GWUDI) the water system will have to determine a compliance path and follow interim operational standards. Please reference the interim operational plan and compliance requirements cited in this letter. Once Hiland WC-Riverbend has selected one of the options listed on page 2, the necessary water system modifications must be operational by **September 26, 2022** in order to achieve compliance.

Interim Operation Plan:

Water system sources determined as GWUDI have 18 months to meet the requirements of the Surface Water Treatment Rule (SWTR) must also meet the following Interim Standards (see OAR 333-061-0032 (1)(c)):

1. The turbidity of water entering the distribution system must never exceed 5 NTU. Turbidity measurements must be taken a minimum of once per day. If continuous turbidimeters are in place, measurements should be recorded every four hours water that is produced from the source(s).
2. Disinfection must be sufficient to reliably achieve at least 1.0 log inactivation of *Giardia lamblia* cysts prior to the first user. Disinfection "CT" values must be calculated and recorded daily, which requires pH, temperature, and disinfection residual measurements at the entry point or first customer. I have included the link to the monthly operating form electronically:

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<http://public.health.oregon.gov/HealthyEnvironments/DrinkingWater/Monitoring/Documents/turb-alt-unfiltered.xls>

Reports must be submitted to DWS monthly as prescribed in OAR 333-061-0040. Email reports to dwp.dmce@state.or.us which will result in a confirmation email from DWS that the message was received. This confirmation email is evidence of when reports are submitted.

If the interim standards (turbidity and CT monitoring and reporting) are not met, the owner or operator of the water system must notify customers of the failure as required in OAR 333-061-0042(2)(b)(A).

Hiland WC-Riverbend will have 18 months from the date of this letter to meet the requirements stated in OAR 333-061-0032 (1) to (3). If the requirements are not met after 18 months your water system may be subject to formal enforcement.

For Hiland WC-Riverbend to be in compliance with the SWTR, the following options are available:

1. Provide approved surface water treatment as required by OAR 333-61-0032.
2. Develop a new source outside the distance-hydrogeologic setting criteria, as outlined in OAR 333-61-0032 (7)(a)(A)(i-iv). Groundwater sources located outside the distance criteria are typically classified as groundwater.
3. Demonstrate that the water produced from the IG can meet the criteria outlined in OAR 333-61-032 (2) and (3).
4. Suspend the use of the source, SRC-AA Infiltration Gallery for Duncan and No-name Creeks and purchase water from a nearby approved system.

Prior to implementing one of the options, plans (see below link for plan review information) will need to be completed by a registered Professional Engineer and submitted to the Authority for review.

<https://www.oregon.gov/oha/PH/HEALTHYENVIRONMENTS/DRINKINGWATER/PLANREVIEW/Pages/index.aspx>

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If you have any questions regarding the GWUDI determination, please contact Shawn Stevenson at (541) 650-1640 or email Shawn.P.Stevenson@dhsosha.state.or.us. For questions regarding compliance with the SWTR, compliance with the interim operational measures please contact me at (541) 231-2112 or via email at Amy.Bleekman2@state.or.us.

Sincerely,

Amy Bleekman, REHS
Natural Resource Specialist 3
OHA Drinking Water Services, Springfield

cc: File, DWS Portland
Shawn Stevenson, DWS Springfield
Kaline Chavarria, Lincoln County Environmental Health