



October 5, 2021

RYAN GERTKEN
95163 ELK RIVER ROAD
PORT ORFORD, OR 97465

RE: MICROSCOPIC PARTICULATE ANALYSIS SAMPLING REQUIREMENT PUBLIC WATER SYSTEM # 4105503 ODF/WL ELK RIVER HATCHERY

Dear Mr. Gertken:

This letter acknowledges that the March 24, 2021 assessment monitoring samples collected from your water system in conformance with OAR 333-061-0036(C)(ii)(I) were confirmed E. coli positive on March 30, 2021. Refer to the coliform test results below:

Sample Date	# Samples	Sample Type	Coliform Type	Results ID	Sample Site	Facility
<u>Mar 24, 2021</u>	1	AS	Total	POSITIVE-- 20210422	DOMESTIC WATER HEAD BOX	SRC-AA
		AS	E.coli	POSITIVE-- 20210422	DOMESTIC WATER HEAD BOX	SRC-AA
<u>Mar 30, 2021</u>	1	CO	Total	POSITIVE-- 20210447	DOMESTIC WATER HEAD BOX	SRC-AA
		CO	E.coli	POSITIVE-- 20210447	DOMESTIC WATER HEAD BOX	SRC-AA
<u>Jun 16, 2021</u>	1	AS	Total	POSITIVE-- 20210921	WELLHEAD	SRC-AA
		AS	E.coli	POSITIVE-- 20210921	WELLHEAD	SRC-AA
<u>Sep 07, 2021</u>	1	AS	Total	POSITIVE-- 20211441	WELLHEAD	SRC-AA
		AS	E.coli	POSITIVE-- 20211441	WELLHEAD	SRC-AA

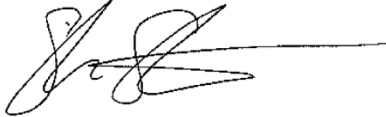
A sampling location error was believed to be a possible source of contamination in March 2021. After 6 months of continued source sampling, total coliform has been detected in every sample and E. coli was also detected twice. This indicates the source of contamination was not eliminated and the well shall be evaluated for groundwater under the direct influence of surface water (GWUDI). Additionally, microscopic particulate analysis (MPA)s are required when total coliform is detected in at least four of the twelve-monthly assessment samples and the GWUDI criteria are met. As is the case with (Well SRC-AA).

To determine if the source (Well-SRC-AA) is under the direct influence of surface water, the source must be analyzed through the collection of two MPA samples. The MPAs specifically search for the presence of surface water organisms in the raw water samples (see the enclosed Groundwater under the Direct Influence and Microscopic Particulate Analysis Fact Sheet).

Based on the proximity to surface water (Elk River <100 feet) for SRC-AA and the confirmed presence of E. coli in the well; two MPAs samples will need to be collected from the well during the 2021-2022 operating season. One sample shall be collected during high runoff after a significant precipitation event. The second sample shall be collected after an extended dry period. Each sample shall be taken a minimum 30 days apart. The dry weather sample may be taken initially based seasonal conditions and the timing of this letter.

If after reading the enclosed information you still have questions or would like this letter in digital format for the purpose of utilizing live hyperlinks, please contact me by email at shawn.p.stevenson@dhsoha.state.or.us or at 541-650-1640.

Sincerely,



Shawn Stevenson, R.G.
Drinking Water Protection Specialist

Enc. Groundwater under the Direct Influence and Microscopic Particulate Analysis
Fact Sheet
MPA Lab list
MPA Field form

Email CC: Kent Downs OHA-DWS/Curry County Environmental Health
Casey Lyon OHA-DWS Region 2 Manager
Brad Daniels OHA-DWS Compliance Officer