

Kate Brown, Governor

May 22, 2019

Peggy Campbell
McKenzie Palisades Water Board
91070 LEASHORE DRIVE
Vida, OR 97488

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<http://healthoregon.org/dwp>

**RE: MICROSCOPIC PARTICULATE ANALYSIS SAMPLING REQUIREMENT
PUBLIC WATER SYSTEM # 4100923 MCKENZIE PALISADES WATER BOARD**

Dear Ms. Campbell:

This letter acknowledges that the October 14 2016 Triggered Assessment Monitoring samples collected from your water system in conformance with the Groundwater Rule were confirmed E. coli positive on October 17 2016. Refer to the coliform test results below:

Sample Date	# Samples	Sample Type	Coliform Type	Results--ID	Repeat of Sample ID	Sample Site	Facility	Receive Date
Oct 17, 2016	1	CO	Total	POSITIVE--1610711002	1610620001	WELL	SRC-AA	Oct 19, 2016
		CO	E.coli	POSITIVE--1610711002	1610620001	WELL	SRC-AA	
Oct 14, 2016	1	TG	Total	POSITIVE--1610620001	1610401001	WELL	SRC-AA	Oct 17, 2016
		TG	E.coli	POSITIVE--1610620001	1610401001	WELL	SRC-AA	

At the time of the confirmed E. coli detection in the well the proximity to the tributary of the McKenzie River approximately 25 feet from the wellhead was unknown. Based on his newly discovered information in conjunction with the confirmation of E. coli in well (SRC-AA), the shallow alluvial nature of the aquifer and proximity to surface water (McKenzie River tributary); the well is required to be evaluated for groundwater under the direct influence of surface water (GWUDI). To determine if the source is under the direct influence of surface water, the source must be analyzed through the collection of two microscopic particulate analysis (MPA) samples. The MPAs specifically search for the presence of surface water organisms in the raw water samples (see enclosed Groundwater under the Direct Influence and Microscopic Particulate Analysis Fact Sheet).

Two MPA samples will need to be collected from the well during the 2019-2020 operating season. Both samples should be collected during high runoff after a precipitation event. In order to assist you in determining when the MPA samples shall be collected, stream flow data at the nearest downstream USGS Gaging Station, located at the McKenzie River near Vida should be utilized. Data obtained from that location shall correlate to a discharge greater than or equal to 7,000 cubic

feet per second (CFS). See the following link for information regarding flow levels in the McKenzie River): https://nwis.waterdata.usgs.gov/nwis/uv?cb_00060=on&format=gif_default&site_no=14162500

To further assist you with sampling at the proper time based upon flow levels in the river; you may opt to utilize an automated service known as **WaterAlert** from U.S. Geological Survey. The service will send an e-mail or text (SMS) message to the user when they sign up for the service. Parameters such as discharge and gauge height levels of the McKenzie River near Vida Oregon can be accessed and signed up for here: https://water.usgs.gov/wateralert/subscribe2/index.html?site_no=14162500&type_cd=sw

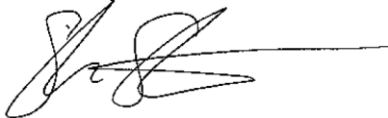
Not all drinking water laboratories offer to perform the MPA. In order to assist you in finding a laboratory, attached is a list of some of the laboratories in the region that perform the MPA and approximate analysis cost and rental fee for the sampling apparatus (see attached list for Laboratories that Provide Microscopic Particulate Analysis).

Please refer to the link for more information on groundwater under the direct influence and the MPA analysis: <http://public.health.oregon.gov/HealthyEnvironments/DrinkingWater/SourceWater/Pages/gwudi.aspx>

The water system is be eligible for state circuit rider assistance for collection of the MPA and analysis of the samples. Refer to the link below for information regarding the state circuit rider program: <http://public.health.oregon.gov/HealthyEnvironments/DrinkingWater/Operations/Pages/circuitrider.aspx>

If after reading the enclosed information you still have questions or would like this letter in digital format for the benefit of live hyperlink attachments, please contact me at 541-726-2587 (32) or by email at shawn.p.stevenson@state.or.us

Sincerely,



Shawn Stevenson, R.G.
Drinking Water Protection Specialist

Enc.

CC: Amy Bleekman Lane County Environmental Health
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