

Kate Brown, Governor

December 12, 2016

RAYMOND PAGE
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BROOKINGS, OR 97415

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Springfield, OR 97477
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<http://healthoregon.org/dwp>

**RE: MICROSCOPIC PARTICULATE ANALYSIS SAMPLING REQUIREMENT
PUBLIC WATER SYSTEM #4195127 SALMON RUN GOLF COURSE**

Dear Mr. Page,

This letter acknowledges that the November 2, 2016 Assessment Monitoring samples collected from your water system in conformance with the Groundwater Rule were confirmed E. coli positive on November 15th, 2016. Refer to the recent coliform test results below:

Sample Date	# Samples	Sample Type	Coliform Type	Results ID	Repeat of Sample ID	Sample Site	Facility
Nov 15, 2016	1	CO	Total	POSITIVE--21604181AD	21604012AA	WELL	SRC-AA
		CO	E.coli	POSITIVE--21604181AD	21604012AA	WELL	SRC-AA
Nov 15, 2016	1	CO	Total	POSITIVE--21604181AC	21604012AA	WELL	SRC-AA
		CO	E.coli	POSITIVE--21604181AC	21604012AA	WELL	SRC-AA
Nov 15, 2016	1	CO	Total	POSITIVE--21604181AB	21604012AA	WELL	SRC-AA
		CO	E.coli	POSITIVE--21604181AB	21604012AA	WELL	SRC-AA
Nov 15, 2016	1	CO	Total	POSITIVE--21604181AA	21604012AA	WELL	SRC-AA
		CO	E.coli	POSITIVE--21604181AA	21604012AA	WELL	SRC-AA
Nov 02, 2016	1	AS	Total	POSITIVE--21604012AA		WELL HOUSE	SRC-AA
		AS	E.coli	POSITIVE--21604012AA		WELL HOUSE	SRC-AA

Based on the confirmation of E. coli in well (SRC-AA) and aquifer characteristics (sand and gravel and less than 100 feet to surface water -Jordan Creek); 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 2017 operating season. Both samples should be collected during a period of high runoff after a significant precipitation event; each sample shall be taken at least 30 days apart. For the Brookings area, the period of high runoff and high stream-flow are typically during the months of November

through April. Rainfall data for the Brookings area can be obtained from the National Weather Service web page at <http://www.wrh.noaa.gov/pqr>.

Samples for MPA are not collected out of the tap directly into bottles as other samples such as coliform and nitrate. The samples are collected by pumping water from a raw water sample tap through a specialized sampling device and filter (see attached MPA Fact Sheet for an example of the water sampling device).

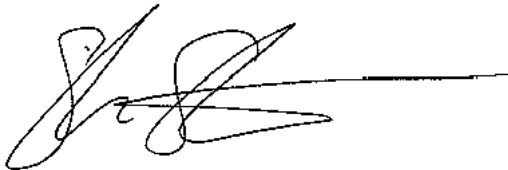
Not all drinking water laboratories offer to perform the MPA. In order to assist you in finding a laboratory, attached is a list of some of the laboratories in the region that perform the MPA and approximate analysis cost and rental fee for the sampling apparatus (see attached list for Laboratories that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

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,

A handwritten signature in black ink, appearing to read 'Shawn Stevenson', with a long horizontal line extending to the right.

Shawn Stevenson, R.G.
Drinking Water Protection Specialist

Enc.

CC: Brody Hodges Curry County Environmental Health
Scott Curry, OHA DWS Medford Office
Salmon Run Golf Course PWS #4195127 File, OHA DWS Portland