

July 5, 2017

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<http://healthoregon.org/dwp>

RE: MICROSCOPIC PARTICULATE ANALYSIS REQUIREMENT PUBLIC WATER SYSTEM #4191839 COAST MARINA & RV PARK

Dear Mr. Wolford,

This letter acknowledges that the June 12, 2017 Assessment Monitoring samples collected from your water system in conformance with the Groundwater Rule were confirmed E. coli positive on June 15, 2017. Refer to the recent coliform test results below:

Jun 15, 2017	1	CO	Total	POSITIVE--1706729002	1706533002	WELL L12615	SRC-AA
		CO	E.coli	POSITIVE--1706729002	1706533002	WELL L12615	SRC-AA
Jun 15, 2017	1	CO	Total	POSITIVE--1706729001	1706533002	WELL L12615	SRC-AA
		CO	E.coli	POSITIVE--1706729001	1706533002	WELL L12615	SRC-AA
Jun 12, 2017	1	AS	Total	POSITIVE--1706533002		WELL L12615	SRC-AA
		AS	E.coli	POSITIVE--1706533002		WELL L12615	SRC-AA

Based on the confirmation of E. coli in well (SRC-AA), the potential shallow fractured nature of the aquifer and proximity to surface water (Siuslaw River and nearby ephemeral streams); 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. The first sample shall be collected after a dry period when flows in the Siuslaw River are at or below 1000 CFS. The second sample shall be collected during a period of high runoff after a significant period of precipitation when flows in the River reach approximately 7000 CFS, this typically occurs in December through May. Below is a link

to the gaging station mentioned above and can be used to determine the river discharge. http://waterdata.usgs.gov/nwis/uv?site_no=14307620

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 can send an e-mail or text (SMS) message to the user when they sign up for the service. Parameters such as discharge and gage height levels of the site is the Siuslaw River at Mapleton the service can be accessed here:

http://water.usgs.gov/wateralert/subscribe2/index.html?site_no=14307620&type_cd=sw

Samples for MPA are not collected out of the tap directly into bottles as other samples, such as coliform and nitrate, typically are. 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>

Please contact me via email at Shawn.P.Stevenson@state.or.us if you would like an electronic copy of this letter for the added convenience of live webpage hyperlinks. If you have any additional questions regarding the content of the letter, please contact me at 541-726-2587 ext. 32.

Sincerely,



Shawn Stevenson, R.G.
Drinking Water Protection Specialist

Enc.

CC: Sarah Puls, Lane County Environmental Health
Jay McPherson, OHA DWS Springfield office
Coast Marina and RV Park 4191839 File, OHA DWS Portland