Oregon
Health
Authority

December 12, 2016

JULIE CRAWFORD
Wolf Creek Family Center
PO BOX 215
WOLF CREEK, OR 97497

**RE: MICROSCOPIC PARTICULATE ANALYSIS SAMPLING REQUIREMENT
PUBLIC WATER SYSTEM #4195068 WOLF CREEK FAMILY CENTER**

Dear Ms. Crawford,

This letter acknowledges that the November 3, 2016 Triggered Assessment Monitoring samples collected from your water system in conformance with the Groundwater Rule were confirmed E. coli positive on November 8, 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 08, 2016	1	CO	Total	POSITIVE--21604089AD	21604021AA	WELL TAP	SRC-AA
		CO	E.coli	POSITIVE--21604089AD	21604021AA	WELL TAP	SRC-AA
Nov 08, 2016	1	CO	Total	POSITIVE--21604089AA	21604021AA	WELL TAP	SRC-AA
		CO	E.coli	POSITIVE--21604089AA	21604021AA	WELL TAP	SRC-AA
Nov 03, 2016	1	TG	Total	POSITIVE--21604021AA	21603960AA	WELL TAP	SRC-AA
		TG	E.coli	POSITIVE--21604021AA	21603960AA	WELL TAP	SRC-AA

Based on the confirmation of E. coli in well (SRC-AA), the shallow fractured nature of the aquifer and proximity to surface water (Wolf 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 2016-2017 operating season. Both samples should be collected during a period of high runoff after a significant period of precipitation or snowmelt; each sample shall be taken at least 30 days apart. For the Wolf Creek area, the period of high runoff and high stream-flow are typically during the months of November through April. Rainfall data for the Wolf Creek area can be obtained from the National Weather Service web page at http://www.wrh.noaa.gov/pqr.

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Samples for MPA are <u>not</u> 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 the water system is owned and operated by a not for profit organization it may 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: Brad Carlson/Justin Fimbres Josephine County Environmental Health
       Scott Curry, OHA DWS Medford Office
       Wolf Creek Family Center) PWS #419058 File, OHA DWS Portland