PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

Nick Fish, Commissioner
Michael Stuhr, P.E., Administrator

1120 SW 5th Avenue, Room 600
Portland, Oregon 97204-1926
Information: 503-823-7404
www.portlandoregon.gov/water

DATE: June 8, 2016 WQ 0.10.14.4

TO: Oregon Health Authority
Drinking Water Services

SUBJECT: **Monthly Report for May 2016**
Bull Run Treatment Variance and LT2ESWTR Round 2
Intake *Cryptosporidium* Results
PWS # 4100657

To Whom It May Concern:

Enclosed are results of laboratory analyses for *Cryptosporidium* from the Bull Run raw water intake for May. Monitoring for *Cryptosporidium* at the Bull Run intake is done to comply with the conditions of Portland's Bull Run Treatment Variance (OHA Final Order, March 14, 2012). PWB is currently in Observation Monitoring. Compliance turbidity readings at the intake for the reporting month were not greater than 2.0 NTU.

This data is also being submitted to meet the requirements for the second round of monitoring for the Long Term 2 Enhanced Surface Water Treatment Rule. The sample collected on May 26, 2016 is designated as the "LT2 Round 2" sample, in accordance with PWB's LT2 Round 2 source water monitoring plan submitted to OHA on December 12, 2014. This sample was collected within the allowed 2-day window of the originally scheduled sample date of May 24, 2016.

Analytical Services, Inc. completed the analysis for *Cryptosporidium* (see attached report). A summary of the results for the reporting month and the previous eleven months is shown in the table below:

***Cryptosporidium* Data Summary for the Reporting Month and the Previous Eleven Months.**

Date Range		Total Field Samples	Total Field Sample Volume (L)	Total No. Oocysts Counted in Field Samples	Total Matrix Spikes	Average Matrix Spike Recovery (%)
Reporting Month:	05/01/2016-05/31/2016	10	500.0	0	1	50.5
Previous 11 Months:	06/01/2015-4/30/2016	217	5213.6	0	22	33.1

If you have any questions regarding these results, please contact me at 503-823-6135.

Sincerely,

Ann Richter

Ann Richter
Environmental Program Manager

Transmitted: Two pages (including this transmittal memo) emailed to dwp.dmce@state.or.us on this date.

Microbiological Testing, Research & Consulting
130 Allen Brook Ln., Williston VT 05495

Cryptosporidium Laboratory Analysis Report

Water System Information		Sample Information	
PWS ID:	OR4100657	**Collection Month & Year:**	May 2016
PWS Name:	Portland Water Bureau	**Report Date:**	June 3, 2016
	1900 N Interstate Avenue	**Monitoring Regime:**	Observation
	Portland, Oregon 97227	**Source Water:**	Bull Run Intake - WTP-A
County:	Multnomah		

Analytical Services, Inc. (ASI)

PWB Sample ID	Loc ID	Sample Collection Date	Sample Type	Sample Volume Filtered (L)	No. of Oocysts Spiked	No. of Oocysts Counted	No. Oocysts per Liter	Matrix Spike Recovery (%)	Analysis Method
BB62267	Intake 2PIS	5/1/2016	Field	50.0	0	0	0.00		EPA Method 1623
BB62346	Intake 2PIS	5/3/2016	Field	50.0	0	0	0.00		EPA Method 1623
BB62624	Intake 2PIS	5/8/2016	Field	50.0	0	0	0.00		EPA Method 1623
BB62647	Intake 2PIS	5/10/2016	Field	50.0	0	0	0.00		EPA Method 1623
BB63292	Intake 2PIS	5/15/2016	Field	50.0	0	0	0.00		EPA Method 1623
BB63428	Intake 2PIS	5/17/2016	Field	50.0	0	0	0.00		EPA Method 1623
BB63609	Intake 2PIS	5/22/2016	Field	50.0	0	0	0.00		EPA Method 1623
BB63853	Intake 2PIS	5/26/2016	Field	50.0	0	0	0.00		EPA Method 1623
BB63854	Intake 2PIS	5/26/2016	MS	50.9	99	50	0.98	50.5	EPA Method 1623
BB63998	Intake 2PIS	5/30/2016	Field	50.0	0	0	0.00		EPA Method 1623
BB64001	Intake 2PIS	5/31/2016	Field	50.0	0	0	0.00		EPA Method 1623

ASI Data Quality Statement:
Unless otherwise noted, all data were generated in accordance with EPA Method 1623 and 100% of the filtered volume was examined for each sample.

Reviewed by PSwander Date Reviewed: June 3, 2016