



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

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 www.portlandoregon.gov/water



DATE: August 9, 2016

WQ 0.10.14.4

TO: Oregon Health Authority
 Drinking Water Services

**SUBJECT: Monthly Report for July 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 July. 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 July 19, 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.

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:	07/01/2016-07/31/2016	9	450.0	0	1	22.4
Previous 11 Months:	08/01/2015-6/30/2016	218	5263.6	0	22	35.7

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

Sincerely,

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:	July 2016
PWS Name:	Portland Water Bureau 1900 N Interstate Avenue Portland, Oregon 97227	Report Date:	August 4, 2016
County:	Multnomah	Monitoring Regime:	Observation
		Source Water:	Bull Run Intake - WTP-A

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
BB67951	Intake 2PIS	7/3/2016	Field	50.0	0	0	0.00		EPA Method 1623
BB-67954	Intake 2PIS	7/5/2016	Field	50.0	0	0	0.00		EPA Method 1623
BB68233	Intake 2PIS	7/10/2016	Field	50.0	0	0	0.00		EPA Method 1623
BB68712	Intake 2PIS	7/12/2016	Field	50.0	0	0	0.00		EPA Method 1623
BB69789	Intake 2PIS	7/19/2016	Field	50.0	0	0	0.00		EPA Method 1623
BB69791	Intake 2PIS	7/19/2016	MS	51.1	98	22	0.43	22.4	EPA Method 1623
BB70485	Intake 2PIS	7/20/2016	Field	50.0	0	0	0.00		EPA Method 1623
BB71065	Intake 2PIS	7/26/2016	Field	50.0	0	0	0.00		EPA Method 1623
BB71003	Intake 2PIS	7/24/2016	Field	50.0	0	0	0.00		EPA Method 1623
BB71682	Intake 2PIS	7/31/2016	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 PSulander

Date Reviewed: August 4, 2016