



DATE: March 9, 2017

WQ 0.10.14.4

TO: Oregon Health Authority, Drinking Water Services

**SUBJECT: Monthly Report for February 2017
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 February. 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 Demonstration 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 February 28th 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.

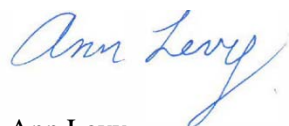
Analytical Services, Inc. completed the analysis for *Cryptosporidium* (see attached report). Results for the reporting month, previous eleven months, and Demonstration Monitoring to date are summarized below:

***Cryptosporidium* Data Summary for the Reporting Month, Previous Eleven Months, and Demonstration Monitoring**

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:	2/01/2017-2/28/2017	21	1,050.1	11	2	50.5
Previous 11 Months:	03/01/2016-1/31/2017	211	5,519.1	6	25	39.5
Demonstration Monitoring	1/08/2017-2/28/2017	39	1,950.1	12	4	43.9

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

Sincerely,



Ann Levy
Environmental Program Manager



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:	February 2017
PWS Name:	Portland Water Bureau 1900 N Interstate Avenue Portland, Oregon 97227	Report Date:	March 3, 2017
County:	Multnomah	Monitoring Regime:	Demonstration
		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
BB83216	Headworks	2/1/2017	Field	50.1	0	1	0.02		EPA 1623
BB83217	Headworks	2/2/2017	Field	50.0	0	0	0.00		EPA 1623
BB83294	Headworks	2/5/2017	Field	50.0	0	0	0.00		EPA 1623
BB83296	Headworks	2/6/2017	Field	50.0	0	0	0.00		EPA 1623
BB83301	Headworks	2/6/2017	Field	50.0	0	0	0.00		EPA 1623
BB83355	Headworks	2/7/2017	Field	50.0	0	1	0.02		EPA 1623
BB83486	Headworks	2/8/2017	Field	50.0	0	2	0.04		EPA 1623
BB83731	Headworks	2/12/2017	Field	50.0	0	0	0.00		EPA 1623
BB83734	Headworks	2/13/2017	Field	50.0	0	1	0.02		EPA 1623
BB83796	Headworks	2/14/2017	Field	50.0	0	1	0.02		EPA 1623
BB83797	Headworks	2/15/2017	Field	50.0	0	1	0.02		EPA 1623
BB83826	Headworks	2/15/2017	Field	50.0	0	0	0.00		EPA 1623
BB83827	Headworks	2/15/2017	MS	50.9	99	39	0.77	39.4	EPA 1623
BB84053	Headworks	2/19/2017	Field	50.0	0	0	0.00		EPA 1623
BB84056	Headworks	2/20/2017	Field	50.0	0	0	0.00		EPA 1623
BB84071	Headworks	2/21/2017	Field	50.0	0	0	0.00		EPA 1623
BB84075	Headworks	2/21/2017	Field	50.0	0	2	0.04		EPA 1623
BB84196	Headworks	2/22/2017	Field	50.0	0	1	0.02		EPA 1623
BB84451	Headworks	2/26/2017	Field	50.0	0	1	0.02		EPA 1623
BB84465	Headworks	2/27/2017	Field	50.0	0	0	0.00		EPA 1623
BB84466	Headworks	2/27/2017	MS	50.0	99	61	1.22	61.6	EPA 1623
BB84460	Headworks	2/27/2017	Field	50.0	0	0	0.00		EPA 1623
BB84502	Headworks	2/28/2017	Field	50.0	0	0	0.00		EPA 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 PS Jordan

Date Reviewed: March 3, 2017