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DATE: January 7, 2015

WQ 0.10.14.4

TO: Oregon Health Authority
Drinking Water Services

SUBJECT: Monthly Report for December 2014
Bull Run Treatment Variance
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 December. 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.

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:	12/01/2014-12/31/2014	9	450.0	0	2	32.9
Previous 11 Months:	01/01/2014-11/30/2014	232	4949.7	0	28	32.5

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

<u>Water System Information</u>		<u>Sample Information</u>	
PWS ID:	OR4100657	Collection Month & Year:	December 2014
PWS Name:	Portland Water Bureau 1900 N Interstate Avenue Portland, Oregon 97227	Report Date:	January 5, 2015
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
BB47051	2P	12/1/2014	Field	50.0	0	0	0.00		EPA 1623
BB47050	2P	12/1/2014	Matrix Spike	51.0	99	37	0.73	37.4	EPA 1623
BB47276	2P	12/7/2014	Field	50.0	0	0	0.00		EPA 1623
BB47281	2P	12/9/2014	Field	50.0	0	0	0.00		EPA 1623
BB47282	2P	12/9/2014	Matrix Spike	50.7	99	28	0.55	28.3	EPA 1623
BB47415	2P	12/14/2014	Field	50.0	0	0	0.00		EPA 1623
BB47441	2P	12/16/2014	Field	50.0	0	0	0.00		EPA 1623
BB47605	2P	12/21/2014	Field	50.0	0	0	0.00		EPA 1623
BB47607	2P	12/22/2014	Field	50.0	0	0	0.00		EPA 1623
BB47666	2P	12/28/2014	Field	50.0	0	0	0.00		EPA 1623
BB47685	2P	12/29/2014	Field	50.0	0	0	0.00		EPA 1623

Notes: NA

ASI Data Quality Statement:

All data reported above, unless otherwise noted, were generated in accordance with EPA Method 1623.

Reviewed by P. Swarden

Date Reviewed: January 5, 2015