PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

Steve Novick, Commissioner
David G. Shaff, Administrator

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Portland, Oregon 97204-1926
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www.portlandoregon.gov/water

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DATE: January 7, 2013 WQ 0.10.14.4

TO: Oregon Health Authority
Environmental Public Health
Drinking Water Program

SUBJECT: **Monthly Report for December 2012**
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 2012. 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:	12/1/2012-12/31/2012	8	400.10	0	1	42.0
Previous 11 Months*:	4/1/2012-11/30/2012	222	3501.12	0	26	43.1

*Please note that because April 2012 was the first reporting month under the Bull Run Treatment Variance, this table currently summarizes less than 11 months of monitoring.

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.

Analytical Services, Inc.
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:**	December 2012
PWS Name:	Portland Water Bureau	**Report Date:**	December 31, 2012
	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
BB23968	2P	12/2/2012	Field	50.00	0	0	0.00	-	EPA 1623
BB24049	2P	12/4/2012	Field	50.00	0	0	0.00	-	EPA 1623
BB24159	2P	12/9/2012	Field	50.00	0	0	0.00	-	EPA 1623
BB24141	2P	12/11/2012	Field	50.00	0	0	0.00	-	EPA 1623
BB24142	2P	12/11/2012	Matrix Spike	50.18	100	42	0.84	42.0	EPA 1623
BB24350	2P	12/16/2012	Field	50.10	0	0	0.00	-	EPA 1623
BB24454	2P	12/18/2012	Field	50.00	0	0	0.00	-	EPA 1623
BB24548	2P	12/25/2012	Field	50.00	0	0	0.00	-	EPA 1623
BB24565	2P	12/26/2012	Field	50.00	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 PSWarden Date Reviewed: 31-Dec-2012