PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

Nick Fish, Commissioner
David G. Shaff, Administrator

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Portland, Oregon 97204-1926
Information: 503-823-7404
www.portlandoregon.gov/water

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DATE: June 4, 2013 WQ 0.10.14.4

TO: Oregon Health Authority
Environmental Public Health
Drinking Water Program

SUBJECT: **Monthly Report for May 2013**
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 May 2013. 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.

Clancy Environmental – Tetra Tech, 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:	5/1/2013-5/31/2013	8	400.1	0	2	41.0
Previous 11 Months:	6/1/2012-4/30/2013	248	4800.7	0	29	46.3

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.

Clancy Environmental – Tetra Tech
20 Mapleville Depot, Saint Albans, VT 05478 USA
802.527.2460 Fax: 802.524.3909

Cryptosporidium Laboratory Analysis Report

Water System Information		Sample Information	
PWS ID:	OR4100657	**Collection Month & Year:**	May 2013
PWS Name:	Portland Water Bureau 1900 N Interstate Avenue Portland, Oregon 97227	**Report Date:**	May 31, 2013
		Monitoring Regime:	Observation
		Source Water:	Bull Run Intake
County:	Multnomah		

Clancy Environmental - a Tetra Tech, Inc. company

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
BB27598	2P	5/5/2013	Field	50.1	0	0	0.00	-	1623
BB27659	2P	5/7/2013	Field	50.0	0	0	0.00	-	1623
BB27826	2P	5/12/2013	Field	50.0	0	0	0.00	-	1623
BB27809	2P	5/14/2013	Field	50.0	0	0	0.00	-	1623
BB27810	2P	5/14/2013	Matrix Spike	51.0	100	50	0.98	50.0	1623
BB28024	2P	5/19/2013	Field	50.0	0	0	0.00	-	1623
BB28164	2P	5/21/2013	Field	50.0	0	0	0.00	-	1623
BB28333	2P	5/27/2013	Field	50.0	0	0	0.00	-	1623
BB28312	2P	5/28/2013	Field	50.0	0	0	0.00	-	1623
BB28313	2P	5/28/2013	Matrix Spike	51.0	100	32	0.63	32.0	1623

Notes:

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

Reviewed by Randi M. McL

Date Reviewed: Friday, May 31, 2013