

Nick Fish, Commissioner David G. Shaff, Administrator

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DATE: May 7, 2014 WQ 0.10.14.4

TO: Oregon Health Authority

Environmental Public Health Drinking Water Program

SUBJECT: Monthly Report for April 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 April. 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:	4/1/2014- 4/30/2014	9	450.0	0	2	54.1	
Previous 11 Months:	5/1/2013- 3/31/2014	233	5275.7	0	26	45.7	

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

Sincerely,

Ann Richter

Environmental Program Manager

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Transmitted: Two pages (including this transmittal memo) emailed to dwp.dmce@state.or.us on this date.



Notes:

Cryptosporidium Laboratory Analysis Report

	Water System Information	Sample Information			
PWS ID:	OR4100657	Collection Month & Year:	April 2014		
PWS Name:	Portland Water Bureau	Report Date:	April 30, 2014		
	1900 N Interstate Avenue	Monitoring Regime:	Observation		
	Portland, Oregon 97227	Source Water:	Bull Run Intake		
County:	Multnomah				

Clancy Environmental - a Tetra Tech, Inc. company

PWB		Sample Collection		Sample Volume Filtered	No. of Oocysts	No. of Oocysts	No. Oocysts	Matrix Spike	Analysis
Sample ID	Loc ID	Date	Sample Type	(L)	Spiked	Counted	per Liter	Recovery (%)	Method
BB37774	2P	4/1/2014	Field	50.0	0	0	0.00	-	1623
BB37770	2P	4/1/2014	Matrix Spike	51.0	99	60	1.18	60.6	1623
BB37974	2P	4/6/2014	Field	50.0	0	0	0.00	-	1623
BB38038	2P	4/8/2014	Field	50.0	0	0	0.00	-	1623
BB38255	2P	4/13/2014	Field	50.0	0	0	0.00	-	1623
BB38303	2P	4/15/2014	Field	50.0	0	0	0.00	-	1623
BB38436	2P	4/20/2014	Field	50.0	0	0	0.00	-	1623
BB38569	2P	4/22/2014	Field	50.0	0	0	0.00	-	1623
BB38851	2P	4/27/2014	Field	50.0	0	0	0.00	-	1623
BB38907	2P	4/29/2014	Field	50.0	0	0	0.00	-	1623
BB38906	2P	4/29/2014	Matrix Spike	51.0	99	47	0.92	47.5	1623

Data Quality Statement: All data reported above, unless otherwise note	d, were generated in accordance with EPA Me	ethod 1623.
Reviewed by	Date Reviewed:	30-Apr-2014