



Nick Fish, Commissioner
Michael Stuhr, P.E., Administrator

1120 SW 5th Avenue, Room 600
Portland, Oregon 97204-1926
Information: 503-823-7404
www.portlandoregon.gov/water



March 3, 2017

Chris Silkie, PE, LEED AP, CEM
Asset Management Program Manager
Portland Parks & Recreation
6437 SE Division St, Suite 416
Portland, OR 97206

RE: Sample Results for Heron Lakes Golf Club

Dear Chris,

Attached you will find the lead results for the water samples collected at Heron Lakes Golf Club on February 14, 2017. Samples were collected in accordance with the protocol outlined in the EPA Technical Guidance, *3Ts for Reducing Lead in Drinking Water in Schools*. The samples were subsequently analyzed at the Portland Water Bureau Laboratory via EPA Method 200.8, an approved method for the analysis of lead in drinking water.

The EPA recommends follow-up testing if lead concentrations in any sample exceeds 20 parts per billion (ppb) to pinpoint the source(s) of lead contamination in your facility. Steps should be taken to mitigate elevated lead levels. Potential mitigation strategies, as well as sampling protocols, are outlined in the EPA guidance - *3Ts for Reducing Lead in Drinking Water in Schools*.

We encourage you to share these results with the public as soon as possible.

Please let us know if you have any questions on these results or any of the other information provided here.

Sincerely,

Yone Akagi, PE
Water Quality Compliance Manager



**Portland Water Bureau
Laboratory Report**

OR 100014

Heron Lakes Golf Club

PWB Sample ID	Location Description	Date Collected	Time Collected	Lead (ppb)
BB83784	1-102-SINK-1	2/14/2017	6:13:00 AM	1.15
BB83785	1-102-SINK-2	2/14/2017	6:15:00 AM	3.69
BB83786	1-102-DF-1	2/14/2017	6:07:00 AM	0.21
BB83787	1-102-COFF-1	2/14/2017	6:09:00 AM	1.15
BB83788	1-102-ICE-1	2/14/2017	6:10:00 AM	<0.05
BB83789	1-101-SINK-1	2/14/2017	5:59:00 AM	0.45
BB83790	1-101-DF-1	2/14/2017	5:58:00 AM	0.36

ppb = parts per billion



Nick Fish, Commissioner
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November 2, 2016

Chris Silkie, PE, LEED AP, CEM
Asset Management Program Manager
Portland Parks & Recreation
6437 SE Division St, Suite 416
Portland, OR 97206

RE: Sample Results for North Zone Fountains

Dear Chris,

Attached you will find the lead results for the water samples collected at fountains in the North Zone in October, 2016. Samples were collected in accordance with the protocol outlined in the EPA Technical Guidance, *3Ts for Reducing Lead in Drinking Water in Schools*. The samples were subsequently analyzed at the Portland Water Bureau Laboratory via EPA Method 200.8, an approved method for the analysis of lead in drinking water.

The EPA recommends follow-up testing if lead concentrations in any sample exceeds 20 parts per billion (ppb) to pinpoint the source(s) of lead contamination in your facility. Steps should be taken to mitigate elevated lead levels. Potential mitigation strategies, as well as sampling protocols, are outlined in the EPA guidance - *3Ts for Reducing Lead in Drinking Water in Schools*.

We encourage you to share these results with the public as soon as possible.

Please let us know if you have any questions on these results or any of the other information provided here.

Sincerely,

Yone Akagi, PE
Water Quality Compliance Manager



**Portland Water Bureau
Laboratory Report
OR 100014**

North Zone Fountains

PWB Sample ID	Property	Location Description	Date Collected	Time Collected	Lead (ppb)
BB77877	CATHEDRAL	0097-DF-1	10/18/2016	7:29:00 AM	10.3
BB77878	CATHEDRAL	0097-DF-2-LOW	10/18/2016	7:19:00 AM	2.66
BB77879	CATHEDRAL	0097-DF-2-HIGH	10/18/2016	7:19:00 AM	0.9
BB77880	CATHEDRAL	0097-DF-3	10/18/2016	7:21:00 AM	5.43
BB77881	ST JOHNS	0681-DF-1-LOW	10/18/2016	7:42:00 AM	1.77
BB77882	ST JOHNS	0681-DF-1-HIGH	10/18/2016	7:43:00 AM	1.39
BB77883	PIER	0513-DF-1-LOW	10/18/2016	8:13:00 AM	0.46
BB77884	PIER	0513-DF-1-HIGH	10/18/2016	8:14:00 AM	0.81
BB77885	PIER	0513-DF-2	10/18/2016	7:58:00 AM	6.39
BB77886	PIER	0513-DF-4-LOW	10/18/2016	8:06:00 AM	1.69
BB77887	PIER	0513-DF-4-HIGH	10/18/2016	8:07:00 AM	0.43
BB77888	GEORGE	0148-DF-1-HIGH	10/18/2016	8:25:00 AM	10.7
BB77889	NORTHGATE	0451-DF-1	10/18/2016	8:34:00 AM	32.3
BB77890	NORTHGATE	0451-DF-2	10/18/2016	8:41:00 AM	72.6
BB77891	MCKENNA	0259-DF-2	10/18/2016	9:04:00 AM	1.11
BB77977	PORTSMOUTH	0527-DF-1	10/19/2016	8:53:00 AM	10.9
BB77978	UNIVERSITY	0824-DF-1-LOW	10/19/2016	8:20:00 AM	1.62
BB77979	UNIVERSITY	0824-DF-1-HIGH	10/19/2016	8:20:00 AM	1.18
BB77980	UNIVERSITY	0824-DF-2	10/19/2016	8:07:00 AM	2.51
BB77981	UNIVERSITY	0824-DF-3-LOW	10/19/2016	8:13:00 AM	10.3
BB77982	UNIVERSITY	0824-DF-3-HIGH	10/19/2016	8:14:00 AM	2.57
BB77983	MCKENNA	0259-DF-1	10/19/2016	8:46:00 AM	15.5
BB77984	MCCOY	1258-DF-1-LOW	10/19/2016	8:34:00 AM	1.08
BB77985	MCCOY	1258-DF-2-LOW	10/19/2016	8:30:00 AM	1.75
BB77986	MCCOY	1258-DF-2-HIGH	10/19/2016	8:30:00 AM	1.13
BB77987	KENTON	0215-DF-1	10/19/2016	7:54:00 AM	1.57
BB77988	KENTON	0215-DF-2	10/19/2016	7:47:00 AM	16.4
BB77989	ARBOR LODGE	0052-DF-1	10/19/2016	7:30:00 AM	5.71
BB77990	ARBOR LODGE	0052-DF-2-LOW	10/19/2016	7:35:00 AM	1.96
BB77991	ARBOR LODGE	0052-DF-2-HIGH	10/19/2016	7:35:00 AM	1.17
BB78021	COLUMBIA	0017-DF-1 at N Winchell St & Woolsey Ave	10/20/2016	7:37:00 AM	3.63
BB78022	COLUMBIA	0017-DF-2 by Picnic Area B	10/20/2016	7:33:00 AM	6.11
BB78023	COLUMBIA	0017-DF-3 near pool house	10/20/2016	7:27:00 AM	5.57
BB78024	COLUMBIA	0017-DF-4 near interior baseball field	10/20/2016	7:45:00 AM	7.25
BB78025	COLUMBIA	0017-DF-6 behind Columbia Cottage	10/20/2016	7:48:00 AM	4.71
BB78026	COLUMBIA	0017-DF-9 near Picnic Area F	10/20/2016	7:53:00 AM	7.75
BB78027	COLUMBIA	0017-DF-7 Annex btw N Lombard & Stafford	10/20/2016	8:03:00 AM	9.63
BB78028	COLUMBIA	0017-DF-8 Annex btw N Willamette & Amherst	10/20/2016	8:07:00 AM	2.61
BB78029	FARRAGUT	0119-DF-1 interior near baseball field	10/20/2016	8:27:00 AM	1.63
BB78044	HERON LAKES GC	0180-DF-1 Green Back hole 7	10/21/2016	7:27:00 AM	4.15
BB78045	HERON LAKES GC	0180-DF-2 Green Back btw holes 5 & 6	10/21/2016	7:15:00 AM	1.43
BB78046	HERON LAKES GC	0180-DF-3 Great Blue hole 6	10/21/2016	8:41:00 AM	2.18
BB78047	HERON LAKES GC	0180-DF-4 Green Back hole 16	10/21/2016	8:12:00 AM	1.04
BB78048	HERON LAKES GC	0180-DF-5 Great Blue hole 8	10/21/2016	8:35:00 AM	3.38
BB78049	HERON LAKES GC	0180-DF-6 Green Back hole 13	10/21/2016	8:19:00 AM	1.73
BB78050	HERON LAKES GC	0180-DF-7 Great Blue hole 12	10/21/2016	7:45:00 AM	7.58
BB78051	HERON LAKES GC	0180-DF-8 Great Blue hole 14	10/21/2016	7:51:00 AM	2.71
BB78052	HERON LAKES GC	0180-DF-9 Great Blue hole 17	10/21/2016	8:03:00 AM	8.65
BB78089	EAST DELTA	0034-DF-3	10/22/2016	7:42:00 AM	4.58



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North Zone Fountains

PWB Sample ID	Property	Location Description	Date Collected	Time Collected	Lead (ppb)
BB78090	EAST DELTA	0034-DF-4-HIGH	10/22/2016	7:36:00 AM	2.16
BB78091	PIR	0524-DF-1	10/22/2016	7:09:00 AM	4.73
BB78092	PIR	0524-DF-2-LEFT	10/22/2016	7:04:00 AM	7.76
BB78093	PIR	0524-DF-3-RIGHT	10/22/2016	7:05:00 AM	4.47
BB78094	PIR	0524-DF-4-LEFT	10/22/2016	7:17:00 AM	4.87
BB78095	PIR	0524-DF-5-RIGHT	10/22/2016	7:17:00 AM	4.28
BB78096	OVERLOOK	0497-DF-1	10/22/2016	8:13:00 AM	5.14
BB78097	OVERLOOK	0497-DF-2-LOW	10/22/2016	8:23:00 AM	1.92
BB78098	OVERLOOK	0497-DF-2-HIGH	10/22/2016	8:23:00 AM	0.6

ppb = parts per billion