



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



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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OR 100014**

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



Nick Fish, Commissioner
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November 7, 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 High Elevation Fountains

Dear Chris,

Attached you will find the lead results for the water samples collected at high elevation fountains 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



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High Elevation Fountains

PWB Sample ID	Property	Location Description	Date Collected	Time Collected	Lead (ppb)
BB78337	PITTOCK MANSION	1128-DF-1-SOUTH	10/25/2016	7:17:00 AM	1.06
BB78338	HOYT ARBORETUM	0189-DF-1-WSW	10/25/2016	7:34:00 AM	2.32
BB78339	HOYT ARBORETUM	0189-DF-1-CENTER	10/25/2016	7:35:00 AM	1.44
BB78340	WASHINGTON	0841-DF-4 @ pay to park restrooms	10/25/2016	8:12:00 AM	4.67
BB78341	WASHINGTON	0841-DF-5 @ tennis court 5	10/25/2016	8:19:00 AM	2.7
BB78342	WASHINGTON	0841-DF-6 @ Frank E. Beach Memorial Fountain	10/25/2016	7:50:00 AM	2.14
BB78343	WASHINGTON	0841-DF-7-CENTER near Shakespeare Garden	10/25/2016	7:55:00 AM	5.51
BB78344	WASHINGTON	0841-DF-8-NORTH @ main restrooms	10/25/2016	8:00:00 AM	4.24
BB78345	WASHINGTON	0841-DF-8-CENTER @ main restrooms	10/25/2016	8:01:00 AM	1.76
BB78346	WASHINGTON	0841-DF-9 @stairs to train	10/25/2016	8:04:00 AM	3.76
BB78347	WASHINGTON	0841-DF-11-LOW @ Elephant House	10/25/2016	8:26:00 AM	1.16
BB78348	WASHINGTON	0841-DF-11-HIGH @ Elephant House	10/25/2016	8:27:00 AM	1.14
BB78349	WASHINGTON	0841-DF-12 @ soccer field	10/25/2016	8:31:00 AM	52.3
BB78387	CUSTER	0031-DF-1 by restrooms	10/26/2016	7:50:00 AM	3.32
BB78388	STEPHENS CREEK	0711-DF-1-LOW across from Chestnut Dr	10/26/2016	8:03:00 AM	0.96
BB78389	STEPHENS CREEK	0711-DF-1-HIGH across from Chestnut Dr	10/26/2016	8:04:00 AM	0.52
BB78390	COUNCIL CREST	0024-DF-1-SOUTH at base of walkway	10/26/2016	8:33:00 AM	5.28
BB78391	COUNCIL CREST	0024-DF-1-CENTER at base of walkway	10/26/2016	8:34:00 AM	4.83
BB78392	COUNCIL CREST	0024-DF-2-NORTH Pioneer Woman sculpture	10/26/2016	8:42:00 AM	2.24
BB78393	COUNCIL CREST	0024-DF-2-EAST Pioneer Woman sculpture	10/26/2016	8:45:00 AM	2.37
BB78394	COUNCIL CREST	0024-DF-3-SOUTH Pioneer Woman sculpture	10/26/2016	8:48:00 AM	3.45
BB78395	PORTLAND HEIGHTS	0523-DF-1-LOW at tennis courts	10/26/2016	9:05:00 AM	2.18
BB78396	PORTLAND HEIGHTS	0523-DF-1-HIGH at tennis courts	10/26/2016	9:10:00 AM	0.95
BB78397	MARQUAM NATURE	0251-DF-1 at shelter	10/26/2016	9:27:00 AM	1.08
BB78415	HOLLY FARM	1239-DF-1-LOW	10/26/2016	7:57:00 AM	4.21
BB78416	HOLLY FARM	1239-DF-1-HIGH	10/26/2016	7:58:00 AM	2.72
BB78488	MT TABOR	0275-DF-1-LOW at basketball court	10/27/2016	8:50:00 AM	1.35
BB78489	MT TABOR	0275-DF-1-HIGH at basketball court	10/27/2016	8:51:00 AM	0.63
BB78490	MT TABOR	0275-DF-2 at tennis courts	10/27/2016	8:58:00 AM	9.13
BB78491	MT TABOR	0275-DF-3-LOW at playground	10/27/2016	8:36:00 AM	2.56
BB78492	MT TABOR	0275-DF-3-HIGH at playground	10/27/2016	8:37:00 AM	1.1
BB78493	MT TABOR	0275-DF-4 at Main St	10/27/2016	8:03:00 AM	3.46
BB78494	MT TABOR	0275-DF-5-LOW behind H. Scott statue	10/27/2016	8:26:00 AM	2.34
BB78495	MT TABOR	0275-DF-5-HIGH behind H. Scott statue	10/27/2016	8:27:00 AM	1.23
BB78496	MT TABOR	0275-DF-6 between Res 1 & 5	10/27/2016	8:14:00 AM	17.2
BB78497	MT TABOR	0275-HB-1 at horseshoes/picnic area	10/27/2016	9:05:00 AM	54.9
BB78498	EASTRIDGE	0110-DF-1-HIGH	10/27/2016	9:37:00 AM	8.66
BB78547	WASHINGTON	0841-DF-1 on SW Washington Way	10/28/2016	7:38:00 AM	4.7
BB78548	WASHINGTON	0841-DF-2 at Holocaust Memorial	10/28/2016	7:31:00 AM	4.48

ppb = parts per billion



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

1120 SW 5th Avenue, Room 600
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December 27, 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 Park Fountains

Dear Chris,

Attached you will find the lead results for the water samples collected at park fountains between November 1 and December 6, 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*.

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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**

Drinking Fountain Results

PWB Sample ID	Property	Location Description	Date Collected	Time Collected	Lead (ppb)
BB78713	ARGAY	0053-DF-1 by courts	11/1/2016	7:48:00 AM	3.09
BB78714	ARGAY	0053-DF-2-LOW at ESE end of park	11/1/2016	7:42:00 AM	2.96
BB78715	ARGAY	0053-DF-2-HIGH at ESE end of park	11/1/2016	7:43:00 AM	2.06
BB78716	WILKES	0857-DF-1-LOW at NE Beech Ct	11/1/2016	7:59:00 AM	8.53
BB78717	WILKES	0857-DF-1-HIGH at NE Beech Ct	11/1/2016	8:00:00 AM	8.08
BB78718	JOHN LUBY	0202-DF-1-HIGH by playground	11/1/2016	8:23:00 AM	0.47
BB78719	JOHN LUBY	0202-DF-2-LOW at NE 128th Ave benches	11/1/2016	8:19:00 AM	1.45
BB78720	JOHN LUBY	0202-DF-2-HIGH at NE 128th Ave benches	11/1/2016	8:20:00 AM	0.46
BB78721	CLINTON	0010-DF-1 behind Ainsworth Elm.	11/1/2016	8:59:00 AM	16.4
BB78722	CLINTON	0010-DF-2 by restrooms on SE Woodward St	11/1/2016	9:07:00 AM	2.17
BB78828	MONTAVILLA	0268-DF-1-LOW at futsal field	11/2/2016	7:30:00 AM	10.3
BB78829	MONTAVILLA	0268-DF-1-HIGH at futsal field	11/2/2016	7:31:00 AM	6.44
BB78830	MONTAVILLA	0268-DF-2-LOW at baseball diamond	11/2/2016	7:35:00 AM	8.6
BB78831	MONTAVILLA	0268-DF-2-HIGH at baseball diamond	11/2/2016	7:36:00 AM	7.11
BB78832	MONTAVILLA	0268-DF-3-LOW at playground	11/2/2016	7:43:00 AM	1.04
BB78833	MONTAVILLA	0268-DF-3-HIGH at playground	11/2/2016	7:44:00 AM	0.38
BB78834	MONTAVILLA	0268-DF-4 at CC front entrance	11/2/2016	7:47:00 AM	4.61
BB78835	BERRYDALE	0059-DF-1 middle of park against wall	11/2/2016	8:03:00 AM	7.47
BB78836	VENTURA	0832-DF-1-LOW at playground	11/2/2016	8:14:00 AM	1.68
BB78837	VENTURA	0832-DF-1-HIGH at playground	11/2/2016	8:15:00 AM	0.55
BB78838	PARKLANE	0501-DF-2-LOW at playground	11/2/2016	8:29:00 AM	16.9
BB78839	PARKLANE	0501-DF-2-HIGH at playground	11/2/2016	8:30:00 AM	5.71
BB78960	BLOOMINGTON	0061-DF-1 at SE 100th Ave	11/3/2016	7:37:00 AM	19.9
BB78961	BLOOMINGTON	0061-DF-2 at playground	11/3/2016	7:42:00 AM	7.79
BB78962	GILBERT HEIGHTS	0149-DF-1-LOW at playground	11/3/2016	7:56:00 AM	9.19
BB78963	GILBERT HEIGHTS	0149-DF-1-HIGH at playground	11/3/2016	7:57:00 AM	9.02
BB78964	ED BENEDICT	0112-DF-1 LEFT Memorial Garden	11/3/2016	8:15:00 AM	1.02
BB78965	ED BENEDICT	0112-DF-2 RIGHT Memorial Garden	11/3/2016	8:17:00 AM	1.02
BB78966	ED BENEDICT	0112-DF-3-LOW at basketball court	11/3/2016	8:24:00 AM	2.66
BB78967	ED BENEDICT	0112-DF-3-HIGH at basketball court	11/3/2016	8:25:00 AM	3.02
BB78968	ED BENEDICT	0112-DF-4-LOW at skate park	11/3/2016	8:31:00 AM	10.8
BB78969	ED BENEDICT	0112-DF-4-HIGH at skate park	11/3/2016	8:32:00 AM	8.78
BB78970	HARRISON	0175-DF-1-LOW at SE 84th Ave & Stephens St	11/3/2016	8:52:00 AM	1.87
BB78971	HARRISON	0175-DF-1-HIGH at SE 84th Ave & Stephens St	11/3/2016	8:53:00 AM	1.35
BB79035	GLENWOOD	0154-DF-1 at playground	11/4/2016	7:34:00 AM	7.9
BB79036	RAYMOND	0561-DF-1-LOW at playground	11/4/2016	7:47:00 AM	40.9
BB79037	RAYMOND	0561-DF-1-HIGH at playground	11/4/2016	7:48:00 AM	42.3
BB79038	LENTS	0234-DF-2-LOW baseball fields 1 & 2 concessions	11/4/2016	8:42:00 AM	4.44
BB79039	LENTS	0234-DF-2-HIGH baseball fields 1 & 2 concessions	11/4/2016	8:25:00 AM	6.19
BB79040	LENTS	0234-DF-3-LOW Walker Stadium	11/4/2016	8:00:00 AM	1.43
BB79041	LENTS	0234-DF-3-HIGH Walker Stadium	11/4/2016	8:01:00 AM	1.22
BB79042	LENTS	0234-DF-4-LOW at baseball field 3	11/4/2016	8:19:00 AM	8.33
BB79043	LENTS	0234-DF-4-HIGH at baseball field 3	11/4/2016	8:20:00 AM	24
BB79044	LENTS	0234-DF-5-LOW at tennis courts	11/4/2016	8:06:00 AM	1.46
BB79045	LENTS	0234-DF-5-HIGH at tennis courts	11/4/2016	8:07:00 AM	0.58
BB79046	LENTS	0234-DF-6 at playground	11/4/2016	8:12:00 AM	2.45
BB79047	ESSEX	0116-DF-1 at restrooms	11/4/2016	8:40:00 AM	0.73
BB79048	ESSEX	0116-DF-2-LOW at baseball field	11/4/2016	8:35:00 AM	4.07
BB79049	ESSEX	0116-DF-2-HIGH at baseball field	11/4/2016	8:36:00 AM	1.39
BB79050	KERN	0216-DF-1 on SE 66th Ave	11/4/2016	8:48:00 AM	3.28
BB79181	COUCH	0023-DF-1-LOW middle of park by benches	11/8/2016	7:35:00 AM	0.88
BB79182	COUCH	0023-DF-2 LEFT by restrooms	11/8/2016	7:42:00 AM	0.11



**Portland Water Bureau
Laboratory Report
OR 100014**

Drinking Fountain Results

PWB Sample ID	Property	Location Description	Date Collected	Time Collected	Lead (ppb)
BB79183	COUCH	0023-DF-3 RIGHT by restrooms	11/8/2016	7:44:00 AM	0.23
BB79184	HILLSIDE	0185-DF-1 Benson bubbler, pedal activated	11/8/2016	8:06:00 AM	2.18
BB79185	HILLSIDE	0185-DF-2 LEFT by playground	11/8/2016	8:17:00 AM	1.09
BB79186	HILLSIDE	0185-DF-3 RIGHT by playground	11/8/2016	8:18:00 AM	0.53
BB79187	WALLACE	0839-DF-1 at basketball court	11/8/2016	8:37:00 AM	0.81
BB79188	WALLACE	0839-DF-2-EAST on Pettygrove St	11/8/2016	8:31:00 AM	2.58
BB79189	WALLACE	0839-DF-2-CENTER on Pettygrove St	11/8/2016	8:32:00 AM	3.13
BB79190	FOREST PARK	0127-DF-1 at Leif Erikson Dr Mi 0.02	11/8/2016	8:52:00 AM	1.66
BB79191	MACLEAY	0246-DF-1-LOW by restrooms	11/8/2016	9:06:00 AM	1.17
BB79192	MACLEAY	0246-DF-1-HIGH by restrooms	11/8/2016	9:07:00 AM	0.74
BB79233	SOUTH WATERFRONT	0916-DF-1-LOW at roundabout	11/9/2016	7:33:00 AM	1.61
BB79234	SOUTH WATERFRONT	0916-DF-1-HIGH at roundabout	11/9/2016	7:34:00 AM	1.27
BB79235	MCCALL WATERFRONT	0156-DF-5 BB behind Three Degrees restaurant	11/9/2016	7:41:00 AM	0.058
BB79236	MCCALL WATERFRONT	0156-DF-6 BB at Police Memorial	11/9/2016	7:47:00 AM	0.17
BB79237	SOUTH PARK BLOCKS	0674-DF-1 BB at SW Clay St	11/9/2016	8:01:00 AM	0.057
BB79239	DIRECTOR	1335-DF-1-LOW by North stairwell	11/9/2016	8:17:00 AM	3.01
BB79240	DIRECTOR	1335-DF-1-HIGH by North stairwell	11/9/2016	8:18:00 AM	2.54
BB79241	PLAZA BLOCKS	1139-DF-1 BB center of park	11/9/2016	8:28:00 AM	0.085
BB79264	SOUTH PARK BLOCKS	0674-DF-2-SOUTH BB at SW Salmon St	11/9/2016	9:52:00 AM	0.064
BB79265	SOUTH PARK BLOCKS	0674-DF-2-WEST BB at SW Salmon St	11/9/2016	9:53:00 AM	0.058
BB79266	SOUTH PARK BLOCKS	0674-DF-2-EAST BB at SW Salmon St	11/9/2016	9:55:00 AM	0.06
BB79267	SOUTH PARK BLOCKS	0674-DF-2-NORTH BB at SW Salmon St	11/9/2016	10:04:00 AM	0.051
BB79300	THE FIELDS	1267-DF-1-LOW in off leash area	11/10/2016	7:15:00 AM	2.11
BB79301	THE FIELDS	1267-DF-1-HIGH in off leash area	11/10/2016	7:16:00 AM	2.11
BB79302	THE FIELDS	1267-DF-2-LOW at playground	11/10/2016	7:10:00 AM	0.51
BB79303	THE FIELDS	1267-DF-2-HIGH at playground	11/10/2016	7:11:00 AM	1.25
BB79304	JAMISON SQUARE	1140-DF-1-LOW on NW Johnson St	11/10/2016	7:24:00 AM	1.54
BB79305	JAMISON SQUARE	1140-DF-1-HIGH on NW Johnson St	11/10/2016	7:25:00 AM	1.31
BB79306	NORTH PARK BLOCKS	0447-DF-1 BB on NW Glisan St	11/10/2016	7:34:00 AM	0.12
BB79307	NORTH PARK BLOCKS	0447-DF-2 in playground between NW Couch & Davis	11/10/2016	7:38:00 AM	3.79
BB79308	MCCALL WATERFRONT	0156-DF-1 BB between NW Davis & Everett	11/10/2016	8:14:00 AM	0.16
BB79309	MCCALL WATERFRONT	0156-DF-2 BB between NW Couch & Davis	11/10/2016	8:11:00 AM	0.15
BB79310	MCCALL WATERFRONT	0156-DF-4 BB between SW Morrison & Alder	11/10/2016	7:55:00 AM	0.23
BB79311	ANKENY PLAZA	0050-DF-1-NORTH BB at SW Ankeny & Naito Pkwy	11/10/2016	8:05:00 AM	0.16
BB79312	ANKENY PLAZA	0050-DF-1-EAST BB at SW Ankeny & Naito Pkwy	11/10/2016	8:06:00 AM	0.15
BB79313	ANKENY PLAZA	0050-DF-1-WEST BB at SW Ankeny & Naito Pkwy	11/10/2016	8:07:00 AM	0.16
BB79539	HAMILTON	0170-DF-1-LOW by playground	11/15/2016	8:39:00 AM	4.9
BB79540	HAMILTON	0170-DF-1-HIGH by playground	11/15/2016	8:40:00 AM	4.24
BB79541	PENDLETON	0503-DF-1-LOW by restrooms	11/15/2016	8:27:00 AM	3.91
BB79542	PENDLETON	0503-DF-1-HIGH by restrooms	11/15/2016	8:28:00 AM	2.15
BB79543	GABRIEL	0136-DF-1 by restrooms	11/15/2016	7:36:00 AM	3
BB79544	GABRIEL	0136-DF-2 by basketball courts	11/15/2016	7:40:00 AM	10.1
BB79545	GABRIEL	0136-DF-3 across from maintenance garage	11/15/2016	7:32:00 AM	2.94
BB79546	GABRIEL	0136-DF-4 by baseball field at CC	11/15/2016	7:25:00 AM	2.91
BB79547	GABRIEL	0136-DF-5 by blue tennis courts	11/15/2016	7:54:00 AM	32.3
BB79548	GABRIEL	0136-DF-6-LOW footpath behind sports fields	11/15/2016	7:47:00 AM	1.59
BB79549	GABRIEL	0136-DF-6-HIGH footpath behind sports fields	11/15/2016	7:48:00 AM	1.04
BB79550	GABRIEL	0136-DF-7-LOW red tennis courts	11/15/2016	7:56:00 AM	1.03
BB79551	GABRIEL	0136-DF-7-HIGH red tennis courts	11/15/2016	7:57:00 AM	1.1
BB79552	GABRIEL	0136-DF-8-LOW south end of park	11/15/2016	8:10:00 AM	1.97
BB79582	GABRIEL	0136-DF-8-HIGH south end of park	11/15/2016	8:10:00 AM	1.76
BB79663	TERWILLIGER	0793-DF-1 at SW Hamilton St	11/16/2016	7:14:00 AM	6



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Drinking Fountain Results

PWB Sample ID	Property	Location Description	Date Collected	Time Collected	Lead (ppb)
BB79664	TERWILLIGER	0793-DF-2- LOW at Chart House	11/16/2016	7:21:00 AM	2.89
BB79665	TERWILLIGER	0793-DF-2-HIGH at Chart House	11/16/2016	7:22:00 AM	3.28
BB79666	BURLINGAME	0092-DF-1-LOW at baseball field	11/16/2016	7:33:00 AM	8.15
BB79667	BURLINGAME	0092-DF-1-HIGH at baseball field	11/16/2016	7:34:00 AM	3.15
BB79668	FULTON	0133-DF-1 at basketball blacktop	11/16/2016	7:58:00 AM	0.81
BB79669	WILLAMETTE	0861-DF-1 at parkinglot restrooms	11/16/2016	8:16:00 AM	7.65
BB79670	WILLAMETTE	0861-DF-2 at tennis courts	11/16/2016	8:31:00 AM	2.82
BB79671	WILLAMETTE	0861-DF-3 at playground	11/16/2016	8:24:00 AM	5.05
BB79672	WILLAMETTE	0861-HB-1 at playground	11/16/2016	8:25:00 AM	7.09
BB79742	HEALY HEIGHTS	0178-DF-1 at basketball court	11/17/2016	7:20:00 AM	10.9
BB79743	LAIR HILL	0222-DF-1 at tennis courts	11/17/2016	7:34:00 AM	8.87
BB79744	LAIR HILL	0222-DF-2 at playground	11/17/2016	7:37:00 AM	5.29
BB79745	ELIZABETH CARUTHERS	1385-DF-1-LOW center of park by log art	11/17/2016	8:03:00 AM	1.68
BB79746	ELIZABETH CARUTHERS	1385-DF-1-HIGH center of park by log art	11/17/2016	8:04:00 AM	1.3
BB79747	S WATERFRNT GREENWAY	1411-DF-1-LOW diagonal from dog park	11/17/2016	7:49:00 AM	2.41
BB79748	S WATERFRNT GREENWAY	1411-DF-1-HIGH diagonal from dog park	11/17/2016	7:50:00 AM	2.46
BB79784	ROSE CITY PARK	0573-DF-1-HIGH at playground	11/18/2016	8:47:00 AM	1.43
BB79785	ROSECITY GOLF COURSE	0570-DF-1 hole 17	11/18/2016	7:35:00 AM	4.25
BB79786	ROSECITY GOLF COURSE	0570-DF-2 hole 14	11/18/2016	8:14:00 AM	1.31
BB79787	ROSECITY GOLF COURSE	0570-DF-3 hole 12	11/18/2016	7:30:00 AM	7.88
BB79788	ROSECITY GOLF COURSE	0570-DF-4 hole 10	11/18/2016	8:08:00 AM	12.8
BB79789	ROSECITY GOLF COURSE	0570-DF-6 hole 3	11/18/2016	7:59:00 AM	5.38
BB79790	ROSECITY GOLF COURSE	0570-DF-7 hole 7	11/18/2016	7:54:00 AM	14.4
BB79824	NORMANDALE	0444-DF-1 across from 1346 NE 57th Ave	11/19/2016	7:08:00 AM	0.95
BB79825	NORMANDALE	0444-DF-2 at shelter/restrooms	11/19/2016	7:20:00 AM	0.92
BB79826	NORMANDALE	0444-DF-8-LOW in front of stadium entrance	11/19/2016	7:14:00 AM	1.02
BB79827	NORMANDALE	0444-DF-8-HIGH in front of stadium entrance	11/19/2016	7:15:00 AM	1.05
BB79828	ROSE CITY PARK	0573-DF-2 by baseball field 2	11/19/2016	7:27:00 AM	3.04
BB79829	GLENHAVEN	0153-DF-1 by playground restrooms	11/19/2016	7:43:00 AM	1.27
BB79830	GLENHAVEN	0153-DF-2 by baseball field 2	11/19/2016	7:40:00 AM	3.88
BB79831	GLENHAVEN	0153-DF-3-LOW at skate park	11/19/2016	7:35:00 AM	7.31
BB79832	GLENHAVEN	0153-DF-3-HIGH at skate park	11/19/2016	7:36:00 AM	4.35
BB79833	HOLLADAY	0186-DF-1-NORTH center of park	11/19/2016	8:02:00 AM	22.2
BB79834	HOLLADAY	0186-DF-1-CENTER center of park	11/19/2016	8:03:00 AM	11
BB79835	HOLLADAY	0186-DF-1-SOUTH center of park	11/19/2016	8:05:00 AM	19.9
BB79836	HOLLADAY	0186-DF-2 NE 11th Ave MAX station	11/19/2016	7:58:00 AM	18.1
BB79965	FERNHILL	0120-DF-1 at restrooms	11/22/2016	7:27:00 AM	74.3
BB79966	FERNHILL	0120-DF-2 at baseball field 1	11/22/2016	7:24:00 AM	36.3
BB79967	KHUNAMOKWST	1384-DF-1-LOW at shelter	11/22/2016	7:42:00 AM	0.15
BB79968	KHUNAMOKWST	1384-DF-1-HIGH at shelter	11/22/2016	7:43:00 AM	0.08
BB79969	WELLINGTON	0846-DF-1-LOW at NE 67th & Mason	11/22/2016	7:53:00 AM	9.75
BB79970	WELLINGTON	0846-DF-1-HIGH at NE 67th & Mason	11/22/2016	7:54:00 AM	9.43
BB79971	WILSHIRE	0862-DF-1-LOW at shelter	11/22/2016	8:10:00 AM	5.97
BB79972	WILSHIRE	0862-DF-1-HIGH at shelter	11/22/2016	8:11:00 AM	5.31
BB79973	GRANT	0167-DF-1-LOW at playground	11/22/2016	8:28:00 AM	2.05
BB79974	GRANT	0167-DF-1-HIGH at playground	11/22/2016	8:29:00 AM	1.47
BB79975	GRANT	0167-DF-2-LOW in front of pool	11/22/2016	8:34:00 AM	1.62
BB79976	GRANT	0167-DF-2-HIGH in front of pool	11/22/2016	8:35:00 AM	1.35
BB79977	GRANT	0167-DF-3-LOW NE at baseball field 2	11/22/2016	8:42:00 AM	7.9
BB79978	GRANT	0167-DF-3-HIGH NE at baseball field 2	11/22/2016	8:43:00 AM	2.48
BB79979	GRANT	0167-DF-5-LOW SW at baseball field 2	11/22/2016	8:44:00 AM	7.11
BB79980	GRANT	0167-DF-5-HIGH SW at baseball field 2	11/22/2016	8:45:00 AM	3.81



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Drinking Fountain Results

PWB Sample ID	Property	Location Description	Date Collected	Time Collected	Lead (ppb)
BB80006	LILLIS-ALBINA	0238-DF-1 at N Russell & N Vancouver	11/23/2016	7:10:00 AM	1.68
BB80007	DAWSON	0033-DF-1-LOW between shelter and playground	11/23/2016	7:20:00 AM	0.28
BB80008	DAWSON	0033-DF-1-HIGH between shelter and playground	11/23/2016	7:21:00 AM	0.24
BB80009	DAWSON	0033-DF-2 on N Williams Ave	11/23/2016	7:17:00 AM	0.11
BB80010	DENORVAL UNTHANK	0037-DF-1 wall mount at restrooms	11/23/2016	7:30:00 AM	3.28
BB80011	KING SCHOOL	0217-DF-1 at end of NE 6th Ave	11/23/2016	7:44:00 AM	5.99
BB80012	IRVING	0195-DF-1 at basketball courts	11/23/2016	7:53:00 AM	0.35
BB80013	IRVING	0195-DF-2 between baseball fields 2 & 3	11/23/2016	7:58:00 AM	6
BB80014	IRVING	0195-DF-3-LOW at playground shelter	11/23/2016	8:04:00 AM	0.79
BB80015	IRVING	0195-DF-3-HIGH at playground shelter	11/23/2016	8:03:00 AM	3.12
BB80016	IRVING	0195-DF-4 at tennis courts	11/23/2016	8:07:00 AM	1.93
BB80162	ALBERTA	0049-DF-1 at NE Ainsworth & 21st	11/29/2016	7:37:00 AM	3.14
BB80163	ALBERTA	0049-DF-2-LOW at playground	11/29/2016	7:31:00 AM	1.19
BB80164	ALBERTA	0049-DF-2-HIGH at playground	11/29/2016	7:32:00 AM	0.55
BB80165	ALBERTA	0049-DF-4 at tennis courts	11/29/2016	7:25:00 AM	6.79
BB80166	ALBERTA	0049-DF-5 at multipurpose blacktop	11/29/2016	7:42:00 AM	2.85
BB80167	PENINSULA	0507-DF-1-EAST in front of community cntr	11/29/2016	8:00:00 AM	8.02
BB80168	PENINSULA	0507-DF-1-CENTER in front of community cntr	11/29/2016	8:02:00 AM	3.65
BB80169	PENINSULA	0507-DF-1-WEST in front of community cntr	11/29/2016	8:01:00 AM	2.58
BB80170	PENINSULA	0507-DF-2-LOW at basketball courts	11/29/2016	8:06:00 AM	0.46
BB80171	PENINSULA	0507-DF-2-HIGH at basketball courts	11/29/2016	8:07:00 AM	0.21
BB80172	PENINSULA	0507-DF-3 at rose garden gazebo	11/29/2016	8:13:00 AM	1.57
BB80279	BERKELEY	0057-DF-1-LOW by playground	11/30/2016	7:27:00 AM	6.57
BB80280	BERKELEY	0057-DF-1-HIGH by playground	11/30/2016	7:28:00 AM	2.37
BB80281	BERKELEY	0057-DF-2-LOW by tennis court	11/30/2016	7:32:00 AM	1.31
BB80282	BERKELEY	0057-DF-2-HIGH by tennis court	11/30/2016	7:33:00 AM	0.72
BB80283	BRENTWOOD	0063-DF-1 by restrooms	11/30/2016	7:47:00 AM	26
BB80284	BRENTWOOD	0063-DF-2 by tennis court	11/30/2016	7:52:00 AM	5.65
BB80285	MT SCOTT	0271-DF-1 by playground restrooms	11/30/2016	8:01:00 AM	0.95
BB80286	WOODSTOCK	0868-DF-1 by baseball field 1	11/30/2016	8:23:00 AM	5.6
BB80287	WOODSTOCK	0868-DF-2 at SE 49th Ave	11/30/2016	8:18:00 AM	4.18
BB80288	WOODSTOCK	0868-DF-3 by interior baseball field	11/30/2016	8:29:00 AM	3.52
BB80289	WOODSTOCK	0868-DF-4 by playground	11/30/2016	8:13:00 AM	12
BB80323	JOHNSON CREEK	0205-DF-1-LOW by playground	12/1/2016	7:29:00 AM	3.36
BB80324	JOHNSON CREEK	0205-DF-1-HIGH by playground	12/1/2016	7:30:00 AM	3.18
BB80325	WESTMORELAND	0852-DF-1 outside lawn bowling club	12/1/2016	7:55:00 AM	6.45
BB80326	WESTMORELAND	0852-DF-2 by playground restrooms	12/1/2016	7:46:00 AM	0.47
BB80327	WESTMORELAND	0852-DF-3 middle of casting pool across bridge	12/1/2016	7:41:00 AM	2.13
BB80328	WESTMORELAND	0852-DF-5 by lawn bowling green	12/1/2016	7:58:00 AM	8.32
BB80329	EASTMORELAND GOLF	0106-DF-1 at tee 17 restrooms	12/1/2016	8:18:00 AM	2.37
BB80330	EASTMORELAND GOLF	0106-DF-2 at tee 4 restrooms	12/1/2016	8:32:00 AM	5.05
BB80331	SELLWOOD	0666-DF-1 at baseball field next to parking lot	12/1/2016	8:57:00 AM	8.02
BB80332	SELLWOOD	0666-DF-2-LOW in front of pool building	12/1/2016	9:08:00 AM	2.12
BB80333	SELLWOOD	0666-DF-2-HIGH in front of pool building	12/1/2016	9:09:00 AM	1.19
BB80334	SELLWOOD	0666-DF-3 by tennis courts	12/1/2016	9:03:00 AM	2
BB80335	OAKS PIONEER CHURCH	0492-DF-1 at front church entrance	12/1/2016	9:16:00 AM	0.09
BB80411	OAKS BOTTOM REFUGE	0490-DF-1-LOW by parking lot	12/2/2016	7:21:00 AM	2.28
BB80412	OAKS BOTTOM REFUGE	0490-DF-1-HIGH by parking lot	12/2/2016	7:22:00 AM	1.69
BB80413	CRYSTAL SPRINGS	0027-DF-1-EAST at front gate	12/2/2016	7:38:00 AM	6.56
BB80414	CRYSTAL SPRINGS	0027-DF-1-WEST at front gate	12/2/2016	7:39:00 AM	5.13
BB80415	CRYSTAL SPRINGS	0027-DF-2 on island near restrooms	12/2/2016	7:45:00 AM	3.08
BB80416	KENILWORTH	0213-DF-1 by tennis court / field overlook area	12/2/2016	8:04:00 AM	1.32



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OR 100014**

Drinking Fountain Results

PWB Sample ID	Property	Location Description	Date Collected	Time Collected	Lead (ppb)
BB80417	KENILWORTH	0213-DF-2 at SE 33rd Ave playground	12/2/2016	8:00:00 AM	2.87
BB80418	CRESTON	0025-DF-1-LOW at pool entrance	12/2/2016	8:23:00 AM	1.32
BB80419	CRESTON	0025-DF-1-HIGH at pool entrance	12/2/2016	8:24:00 AM	0.66
BB80420	CRESTON	0025-DF-3 RIGHT wall mount on picnic area shack	12/2/2016	8:15:00 AM	14
BB80421	CRESTON	0025-DF-4 by playground restrooms	12/2/2016	8:28:00 AM	2.16
BB80422	POWELL	0530-DF-1 by basketball courts	12/2/2016	8:46:00 AM	2.24
BB80423	POWELL	0530-DF-2-HIGH by baseball field	12/2/2016	8:49:00 AM	1.74
BB80447	EASTBANK ESPLANADE	0105-DF-1-LOW at stairs to Burnside Brg	12/3/2016	7:28:00 AM	0.65
BB80448	EASTBANK ESPLANADE	0105-DF-1-HIGH at stairs to Burnside Brg	12/3/2016	7:29:00 AM	0.57
BB80449	EASTBANK ESPLANADE	0105-DF-2-LOW north of SE Washington St	12/3/2016	7:22:00 AM	3.03
BB80450	EASTBANK ESPLANADE	0105-DF-2-HIGH north of SE Washington St	12/3/2016	7:23:00 AM	1.47
BB80451	EASTBANK ESPLANADE	0105-DF-3-LOW north of SE Main St	12/3/2016	7:15:00 AM	0.97
BB80452	EASTBANK ESPLANADE	0105-DF-3-HIGH north of SE Main St	12/3/2016	7:16:00 AM	0.56
BB80453	EASTBANK ESPLANADE	0105-DF-4-NORTH Benson Bubbler by Fire Station 21	12/3/2016	7:43:00 AM	0.18
BB80454	EASTBANK ESPLANADE	0105-DF-4-EAST Benson Bubbler by Fire Station 21	12/3/2016	7:44:00 AM	0.18
BB80455	EASTBANK ESPLANADE	0105-DF-4-SOUTH Benson Bubbler by Fire Station 21	12/3/2016	7:45:00 AM	0.18
BB80456	EASTBANK ESPLANADE	0105-DF-4-WEST Benson Bubbler by Fire Station 21	12/3/2016	7:46:00 AM	0.2
BB80457	BROOKLYN SCHOOL	0068-DF-1 by playground	12/3/2016	7:58:00 AM	1.6
BB80458	BROOKLYN	0067-DF-1 by baseball field	12/3/2016	8:09:00 AM	3.82
BB80459	BROOKLYN	0067-DF-2-LOW by playground	12/3/2016	8:05:00 AM	2.71
BB80460	BROOKLYN	0067-DF-2-HIGH by playground	12/3/2016	8:06:00 AM	1.53
BB80461	COLONEL SUMMERS	0012-DF-1-LOW at shelter restrooms	12/3/2016	8:29:00 AM	5.23
BB80462	COLONEL SUMMERS	0012-DF-1-HIGH at shelter restrooms	12/3/2016	8:30:00 AM	1.07
BB80463	BUCKMAN FIELD	0090-DF-1south side of field house	12/3/2016	8:47:00 AM	1.9
BB80464	BUCKMAN FIELD	0090-DF-2 south end of running track	12/3/2016	8:55:00 AM	0.57
BB80612	OREGON	0495-DF-1-LOW by restrooms	12/6/2016	7:26:00 AM	1.29
BB80613	OREGON	0459-DF-1-HIGH by restrooms	12/6/2016	7:27:00 AM	0.58
BB80614	LAURELHURST	0224-DF-1 at SE Laurelhurst Pl restrooms	12/6/2016	7:45:00 AM	0.68
BB80615	LAURELHURST	0224-DF-3 near picnic area A	12/6/2016	7:38:00 AM	2.18
BB80616	LAURELHURST	0224-DF-5 by tennis courts	12/6/2016	7:51:00 AM	0.69
BB80617	SUNNYSIDE SCHOOL	0715-DF-1-LOW north side of auxiliary building	12/6/2016	7:59:00 AM	1.26
BB80618	SEWALLCREST	0670-DF-1-HIGH by baseball field	12/6/2016	8:08:00 AM	0.69
BB80619	WESTMORELAND	0852-DF-6 front gate of Sckavone Stadium	12/6/2016	8:28:00 AM	1.87

ppb = parts per billion



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



July 10, 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 Result for Washington Park – Post Remediation

Dear Chris,

Attached you will find the post-remediation lead result for the water sample collected at Washington Park on June 16, 2017. The sample was collected in accordance with the protocol outlined in the EPA Technical Guidance, *3Ts for Reducing Lead in Drinking Water in Schools*. The sample was 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 this result 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, P.E.
Water Quality Manager
Portland Water Bureau



Portland Water Bureau Laboratory Report

OR 100014

Washington Park - Post Remediation

PWB Sample ID	Location Description	Date Collected	Time Collected	Lead (ppb)
BB90571	0841-DF-12 @ soccer field	6/16/2017	4:37:00 PM	16.1

ppb = parts per billion



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



July 10, 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 Result for Gabriel Park – Post Remediation

Dear Chris,

Attached you will find the post-remediation lead result for the water sample collected at Gabriel Park on June 2, 2017. The sample was collected in accordance with the protocol outlined in the EPA Technical Guidance, *3Ts for Reducing Lead in Drinking Water in Schools*. The sample was 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 this result 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, P.E.
Water Quality Manager
Portland Water Bureau



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OR 100014

Gabriel Park - Post Remediation

PWB Sample ID	Location Description	Date Collected	Time Collected	Lead (ppb)
BB90061	0136-DF-5 by blue tennis courts	6/2/2017	7:34:00 AM	2.48

ppb = parts per billion



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



July 10, 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 Result for Brentwood Park – Post Remediation

Dear Chris,

Attached you will find the post-remediation lead result for the water sample collected at Brentwood Park on June 1, 2017. The sample was collected in accordance with the protocol outlined in the EPA Technical Guidance, *3Ts for Reducing Lead in Drinking Water in Schools*. The sample was 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 this result 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, P.E.
Water Quality Manager
Portland Water Bureau



**Portland Water Bureau
Laboratory Report**
OR 100014

Brentwood Park - Post Remediation

PWB Sample ID	Location Description	Date Collected	Time Collected	Lead (ppb)
BB90060	0063-DF-1 by restrooms	6/1/2017	6:24:00 AM	13.9

ppb = parts per billion



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

July 10, 2017

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

RE: Northgate Park Sample Results – Post Remediation

Dear Chris,

Attached you will find the post-remediation lead results for water samples collected at Northgate Park on June 2, 2017. The 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, P.E.
Water Quality Manager
Portland Water Bureau



Portland Water Bureau
Laboratory Report
OR 100014

Northgate Park - Post Remediation

PWB Sample ID	Location Description	Date Collected	Time Collected	Lead (ppb)
BB90055	0451-DF-1	6/2/2017	8:09:00 AM	6.13
BB90056	0451-DF-2	6/2/2017	8:34:00 AM	4.47

ppb = parts per billion



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

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July 10, 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 Result for Brentwood Park – Post Remediation

Dear Chris,

Attached you will find the post-remediation lead result for the water sample collected at Brentwood Park on June 1, 2017. The sample was collected in accordance with the protocol outlined in the EPA Technical Guidance, *3Ts for Reducing Lead in Drinking Water in Schools*. The sample was 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 this result 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, P.E.
Water Quality Manager
Portland Water Bureau



**Portland Water Bureau
Laboratory Report**
OR 100014

Brentwood Park - Post Remediation

PWB Sample ID	Location Description	Date Collected	Time Collected	Lead (ppb)
BB90060	0063-DF-1 by restrooms	6/1/2017	6:24:00 AM	13.9

ppb = parts per billion



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

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July 10, 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 Result for Gabriel Park – Post Remediation

Dear Chris,

Attached you will find the post-remediation lead result for the water sample collected at Gabriel Park on June 2, 2017. The sample was collected in accordance with the protocol outlined in the EPA Technical Guidance, *3Ts for Reducing Lead in Drinking Water in Schools*. The sample was 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 this result 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, P.E.
Water Quality Manager
Portland Water Bureau



**Portland Water Bureau
Laboratory Report**
OR 100014

Gabriel Park - Post Remediation

PWB Sample ID	Location Description	Date Collected	Time Collected	Lead (ppb)
BB90061	0136-DF-5 by blue tennis courts	6/2/2017	7:34:00 AM	2.48

ppb = parts per billion



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

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July 10, 2017

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

RE: Northgate Park Sample Results – Post Remediation

Dear Chris,

Attached you will find the post-remediation lead results for water samples collected at Northgate Park on June 2, 2017. The 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, P.E.
Water Quality Manager
Portland Water Bureau



Portland Water Bureau
Laboratory Report
OR 100014

Northgate Park - Post Remediation

PWB Sample ID	Location Description	Date Collected	Time Collected	Lead (ppb)
BB90055	0451-DF-1	6/2/2017	8:09:00 AM	6.13
BB90056	0451-DF-2	6/2/2017	8:34:00 AM	4.47

ppb = parts per billion



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

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July 10, 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 Result for Washington Park – Post Remediation

Dear Chris,

Attached you will find the post-remediation lead result for the water sample collected at Washington Park on June 16, 2017. The sample was collected in accordance with the protocol outlined in the EPA Technical Guidance, *3Ts for Reducing Lead in Drinking Water in Schools*. The sample was 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 this result 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, P.E.
Water Quality Manager
Portland Water Bureau



Portland Water Bureau Laboratory Report

OR 100014

Washington Park - Post Remediation

PWB Sample ID	Location Description	Date Collected	Time Collected	Lead (ppb)
BB90571	0841-DF-12 @ soccer field	6/16/2017	4:37:00 PM	16.1

ppb = parts per billion



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

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www.portlandoregon.gov/water



May 25, 2018

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 Additional Drinking Fountains

Dear Chris,

Attached you will find the lead results for the water samples collected at additional drinking fountains in April and May 2018. 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, P.E.
Water Quality Manager



**Portland Water Bureau
Laboratory Report**
OR 100014

Additional Drinking Fountains

PWB Sample ID	Property	Location Description	Date Collected	Time Collected	Lead (ppb)
BC04754	COLUMBIA CHILDREN'S ARBORETUM	NE MEADOWN LN AT INFO KIOSK	4/17/2018	7:41:00 AM	0.35
BC04755	EAST DELTA	0034-DF-5-LOW AT SOCCER FIELDS	4/17/2018	7:57:00 AM	0.3
BC04756	EAST DELTA	0034-DF-5-HIGH AT SOCCER FIELDS	4/17/2018	7:57:00 AM	9.39
BC04987	CATHEDRAL	8097-DF-1 AT RESTROOMS	4/19/2018	8:41:00 AM	2.03
BC05043	SELLWOOD RIVERFRONT	0668-DF-1 AT RESTROOMS	4/20/2018	7:53:00 AM	2.08
BC05592	PATTON SQUARE	0502-DF-1-LOW center of park	5/2/2018	7:35:00 AM	2.59
BC05593	PATTON SQUARE	0502-DF-1-HIGH center of park	5/2/2018	7:36:00 AM	2.22
BC05594	PIER	0513-DF-5 by maintenance shack	5/2/2018	8:00:00 AM	2.75

ppb = parts per billion