

**Seattle Public Schools
Drinking Water Quality Program**

**Results of Water Quality Testing
for
South Lake High School**

Updated September 3, 2019

General Information:

Plumbing piping materials: mainly copper

Remediation plan:

This remediation plan is based on a Water Quality policy approved by the School Board. The policy includes standards for the presence of lead, cadmium, copper, iron and other substances in drinking water.

Status:

Policy Criteria: All sources not meet the policy criteria.

Follow-up monitoring: Will be performed in school year 2020-2021.

Service: The school will be flushed after any breaks longer than five days.

Water Quality Testing Results:

Legend	
Symbol	Definition
SE	service entry (main)
B	bubbler
S	sink (faucet)
B/S	sink/bubbler combination
S/B	sink/bubbler combination
ppb	parts per billion
ppm	parts per million
NA	not applicable
None	no action required
Unk	unknown status or action
Sample	sample needs to be taken
Re-test	fixture needs to be resampled
Conf	resample to confirm measurement
No flush	not flushed before sampling
Sink	sampled faucet of S/B combo
Used	recently used; no 1st draw sample possible
PS	post sign
Disable(d)	fixture disabled in response to water quality testing
IF	install filter
RB	replace bubbler
RB/IF	replace bubbler and/or install filter
RF	replace faucet
RF/IF	replace faucet and/or install filter
BW	disable fixture and provide bottled water until remediated
Leaks	leaking fixture
NW	not working properly (sample S when B of S/B NW)
OS	out of service - disabled until fixed
RS	return to service - now passes testing
Rem	Removed from system - no longer exists

Table 1. Summary of Results

FIXTURE INFORMATION			LEAD		CADMIUM		COPPER		IRON		OK?
Fixture ID	Type	Location	Pass/Fail	Status	Pass/Fail	Status	Pass/Fail	Status	Pass/Fail	Status	Yes/No/Status
01	B	commons,	P	None	P	None	P	None	P	None	Yes
02	B	commons, bottle filler	P	None	P	None	P	None	P	None	Yes
04	S	Kitchen, left	P	None	P	None	P	None	P	None	Yes
05	S	Kitchen, middle	P	None	P	None	P	None	P	None	Yes
06	S	Kitchen, right	P	None	P	None	P	None	P	None	Yes
07	S	room 1173, Special Education, NW (left)	P	None	P	None	P	None	P	None	Yes
08	S	room 1173, Special Education, NE (right)	P	None	P	None	P	None		Sample	Yes
09	S	room 1126, multi-purpose room	P	None	P	None	P	None		Sample	Yes
10	S	Childcare, north, right	P	None	P	None	P	None	P	None	Yes
12	S	childcare, 1206, changing area	P	None	P	None	P	None		Sample	Yes
13	S	childcare, 1204, kitchen, left	P	None	P	None	P	None	P	None	Yes
14	S	childcare, 1204, kitchen, right	P	None	P	None	P	None	P	None	Yes
15	S	childcare, 1203, kitchen, left	P	None	P	None	P	None	P	None	Yes
16	S	childcare, 1203, kitchen, right	P	None	P	None	P	None		Sample	Yes
17	S	childcare, 1202, changing area	P	None	P	None	P	None		Sample	Yes
18	S/B	room 2107, behavior mod.	P	None	P	None	P	None	P	None	Yes
19	S	2109 staff lounge	P	None	P	None	P	None		Sample	Yes
20	B	2nd floor, hallway, by elevator, left	P	None	P	None	P	None	P	None	Yes
21	B	2nd floor, hallway, by elevator, right	P	None	P	None	P	None	P	None	Yes
22	S	2114 resource	P	None	P	None	P	None	P	None	Yes
23	S	custodian office	P	None	P	None	P	None		Sample	Yes

Table 2. Lead Test Results

FIXTURE INFORMATION			10/26/2011			6/19/2015			11/7/2017			8/21/2019			Summary Status	
Fixture ID	Type	Location	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	Pass/Fail	Status
01	B	commons,	3	2	P	4	3	P	<1	<1	P				P	None
02	B	commons, bottle filler	2	2	P	4	4	P	1	2	P				P	None
04	S	Kitchen, left	8	<1	P	5	2	P	3	<1	P				P	None
05	S	Kitchen, middle	3	4	P	5	9	P	1	<1	P				P	None
06	S	Kitchen, right	6	3	P	7	4	P	3	<1	P				P	None
07	S	room 1173, Special Education, NW (left)	13	3		11	4		7	2	P	7	6	P	P	None
08	S	room 1173, Special Education, NE (right)	6	2	P	5	3	P	4	<1	P				P	None
09	S	room 1126, multi-purpose room	3	2	P	4	5	P							P	None
10	S	Childcare, north, right	<1	<1	P	6	4	P	4	3	P				P	None
12	S	childcare, 1206, changing area	7	<1	P	7	5	P	4	5	P				P	None
13	S	childcare, 1204, kitchen, left	4	<1	P	5	9	P	3	2	P				P	None
14	S	childcare, 1204, kitchen, right	1	<1	P	4	9	P	4	2	P				P	None
15	S	childcare, 1203, kitchen, left	6	<1	P	8	7	P	3	<1	P				P	None
16	S	childcare, 1203, kitchen, right	3	<1	P	6	7	P	3	<1	P				P	None
17	S	childcare, 1202, changing area	<1	<1	P	6	5	P	5	1	P				P	None
18	S/B	room 2107, behavior mod.	4	3	P	5	6	P	7	6	P				P	None
19	S	2109 staff lounge	3	<1	P	7	2	P	2	6	P				P	None
20	B	2nd floor, hallway, by elevator, left	<1	<1	P	3	2	P	1	1	P				P	None
21	B	2nd floor, hallway, by elevator, right	2	<1	P	3	2	P	1	<1	P				P	None
22	S	2114 resource	8	3	P	13	3		9	2	P	9	3	P	P	None
23	S	custodian office							<1	<1	P				P	None

Table 3. Cadmium Test Results

FIXTURE INFORMATION			Initial Sampling				Follow-up Sampling 1				Follow-up Sampling 2				Follow-up Sampling 3				Follow-up Sampling 4				Summary Status	
Fixture ID	Type	Location	Sampled	1st Draw	Flush 30s	Pass /Fail	Sampled	1st Draw	Flush 30s	Pass /Fail	Sampled	1st Draw	Flush 30s	Pass /Fail	Sampled	1st Draw	Flush 30s	Pass /Fail	Sampled	1st Draw	Flush 30s	Pass /Fail	Pass/Fail	Status
01	B	commons,	8/29/2008	<1	<1	P					10/26/2011	<1	<1	P	6/19/2015	<1	<1	P	11/7/2017	<1	<1	P	P	None
02	B	commons, bottle filler	8/29/2008	<1	<1	P					10/26/2011	<1	<1	P	6/19/2015	<1	<1	P	11/7/2017	<1	<1	P	P	None
04	S	Kitchen, left	8/29/2008	<1	<1	P	10/2/2008	<1	<1	P	10/26/2011	<1	<1	P	6/19/2015	<1	<1	P	11/7/2017	<1	<1	P	P	None
05	S	Kitchen, middle	8/29/2008	<1	<1	P	10/2/2008	<1	<1	P	10/26/2011	<1	<1	P	6/19/2015	<1	<1	P	11/7/2017	<1	<1	P	P	None
06	S	Kitchen, right	8/29/2008	<1	<1	P	10/2/2008	<1	<1	P	10/26/2011	<1	<1	P	6/19/2015	<1	<1	P	11/7/2017	<1	<1	P	P	None
07	S	room 1173, Special Education, NW (left)	8/29/2008	<1	<1	P	10/2/2008	<1	<1	P	10/26/2011	<1	<1	P	6/19/2015	<1	<1	P	11/7/2017	<1	<1	P	P	None
08	S	room 1173, Special Education, NE (right)	8/29/2008	<1	<1	P					10/26/2011	<1	<1	P	6/19/2015	<1	<1	P	11/7/2017	<1	<1	P	P	None
09	S	room 1126, multi-purpose room	8/29/2008	<1	<1	P					10/26/2011	<1	<1	P	6/19/2015	<1	<1	P					P	None
10	S	Childcare, north, right	8/29/2008	<1	<1	P	10/2/2008	<1	<1	P	10/26/2011	<1	<1	P	6/19/2015	<1	<1	P	11/7/2017	<1	<1	P	P	None
12	S	childcare, 1206, changing area	8/29/2008	<1	<1	P	10/2/2008	<1	<1	P	10/26/2011	<1	<1	P	6/19/2015	<1	<1	P	11/7/2017	<1	<1	P	P	None
13	S	childcare, 1204, kitchen, left	8/29/2008	<1	<1	P	10/2/2008	<1	<1	P	10/26/2011	<1	<1	P	6/19/2015	<1	<1	P	11/7/2017	<1	<1	P	P	None
14	S	childcare, 1204, kitchen, right	8/29/2008	<1	<1	P	10/2/2008	<1	<1	P	10/26/2011	<1	<1	P	6/19/2015	<1	<1	P	11/7/2017	<1	<1	P	P	None
15	S	childcare, 1203, kitchen, left	8/29/2008	<1	<1	P					10/26/2011	<1	<1	P	6/19/2015	<1	<1	P	11/7/2017	<1	<1	P	P	None
16	S	childcare, 1203, kitchen, right	8/29/2008	<1	<1	P	10/2/2008	<1	<1	P	10/26/2011	<1	<1	P	6/19/2015	<1	<1	P	11/7/2017	<1	<1	P	P	None
17	S	childcare, 1202, changing area	8/29/2008	<1	<1	P	10/2/2008	<1	<1	P	10/26/2011	<1	<1	P	6/19/2015	<1	<1	P	11/7/2017	<1	<1	P	P	None
18	S/B	room 2107, behavior mod.	8/29/2008	<1	<1	P					10/26/2011	<1	<1	P	6/19/2015	<1	<1	P	11/7/2017	<1	<1	P	P	None
19	S	2109 staff lounge	8/29/2008	<1	<1	P					10/26/2011	<1	<1	P	6/19/2015	<1	<1	P	11/7/2017	<1	<1	P	P	None
20	B	2nd floor, hallway, by elevator, left	8/29/2008	<1	<1	P					10/26/2011	<1	<1	P	6/19/2015	<1	<1	P	11/7/2017	<1	<1	P	P	None
21	B	2nd floor, hallway, by elevator, right	8/29/2008	<1	<1	P					10/26/2011	<1	<1	P	6/19/2015	<1	<1	P	11/7/2017	<1	<1	P	P	None
22	S	2114 resource	8/29/2008	<1	<1	P	10/2/2008	<1	<1	P	10/26/2011	<1	<1	P	6/19/2015	<1	<1	P	11/7/2017	<1	<1	P	P	None
23	S	custodian office																	11/7/2017	<1	<1	P	P	None

Table 4. Copper Test Results

FIXTURE INFORMATION			Initial Sampling				Follow-up Sampling 1				Follow-up Sampling 2				Follow-up Sampling 3				Follow-up Sampling 4				Summary Status	
Fixture ID	Type	Location	Sampled	1st Draw	Flush 30s	Pass /Fail	Sampled	1st Draw	Flush 30s	Pass /Fail	Sampled	1st Draw	Flush 30s	Pass /Fail	Sampled	1st Draw	Flush 30s	Pass /Fail	Sampled	1st Draw	Flush 30s	Pass /Fail	Pass/Fail	Status
01	B	commons,	8/29/2008	0.082	0.043	P					10/26/2011	0.07	0.034	P	6/19/2015	0.08	0.038	P	11/7/2017	0.074	0.092	P	P	None
02	B	commons, bottle filler	8/29/2008	0.154	0.04	P					10/26/2011	0.067	0.026	P	6/19/2015	0.104	0.057	P	11/7/2017	0.087	0.098	P	P	None
04	S	Kitchen, left	8/29/2008	0.077	0.048	P	10/2/2008	0.074	0.019	P	10/26/2011	0.094	0.01	P	6/19/2015	0.176	0.033	P	11/7/2017	0.195	0.018	P	P	None
05	S	Kitchen, middle	8/29/2008	0.11	0.077	P	10/2/2008	0.087	0.018	P	10/26/2011	0.13	0.03	P	6/19/2015	0.125	0.052	P	11/7/2017	0.026	0.018	P	P	None
06	S	Kitchen, right	8/29/2008	0.105	0.076	P	10/2/2008	0.302	0.026	P	10/26/2011	0.098	0.024	P	6/19/2015	0.144	0.031	P	11/7/2017	0.046	0.017	P	P	None
07	S	room 1173, Special Education, NW (left)	8/29/2008	0.177	0.047	P	10/2/2008	0.044	0.05	P	10/26/2011	0.104	0.028	P	6/19/2015	0.093	0.034	P	11/7/2017	0.153	0.035	P	P	None
08	S	room 1173, Special Education, NE (right)	8/29/2008	0.123	0.034	P					10/26/2011	0.082	0.014	P	6/19/2015	0.089	0.032	P	11/7/2017	0.168	0.028	P	P	None
09	S	room 1126, multi-purpose room	8/29/2008	0.067	0.031	P					10/26/2011	0.032	0.02	P	6/19/2015	0.034	0.039	P					P	None
10	S	Childcare, north, right	8/29/2008	0.093	0.043	P	10/2/2008	0.032	0.04	P	10/26/2011	0.009	0.009	P	6/19/2015	0.052	0.03	P	11/7/2017	0.05	0.038	P	P	None
12	S	childcare, 1206, changing area	8/29/2008	0.392	0.07	P	10/2/2008	0.086	0.032	P	10/26/2011	0.033	0.01	P	6/19/2015	0.034	0.031	P	11/7/2017	0.043	0.057	P	P	None
13	S	childcare, 1204, kitchen, left	8/29/2008	0.082	0.055	P	10/2/2008	0.062	0.021	P	10/26/2011	0.052	0.009	P	6/19/2015	0.042	0.048	P	11/7/2017	0.05	0.038	P	P	None
14	S	childcare, 1204, kitchen, right	8/29/2008	0.116	0.058	P	10/2/2008	0.032	0.027	P	10/26/2011	0.015	0.009	P	6/19/2015	0.058	0.049	P	11/7/2017	0.066	0.034	P	P	None
15	S	childcare, 1203, kitchen, left	8/29/2008	0.099	0.051	P					10/26/2011	0.036	0.01	P	6/19/2015	0.051	0.034	P	11/7/2017	0.044	0.026	P	P	None
16	S	childcare, 1203, kitchen, right	8/29/2008	0.098	0.045	P	10/2/2008	0.078	0.026	P	10/26/2011	0.038	0.01	P	6/19/2015	0.055	0.04	P	11/7/2017	0.056	0.024	P	P	None
17	S	childcare, 1202, changing area	8/29/2008	0.1	0.034	P	10/2/2008	0.1	0.025	P	10/26/2011	0.01	0.01	P	6/19/2015	0.062	0.031	P	11/7/2017	0.067	0.026	P	P	None
18	S/B	room 2107, behavior mod.	8/29/2008	0.083	0.024	P					10/26/2011	0.046	0.022	P	6/19/2015	0.062	0.034	P	11/7/2017	0.115	0.042	P	P	None
19	S	2109 staff lounge	8/29/2008	0.094	0.017	P					10/26/2011	0.082	0.018	P	6/19/2015	0.038	0.021	P	11/7/2017	0.033	0.042	P	P	None
20	B	2nd floor, hallway, by elevator, left	8/29/2008	0.044	0.029	P					10/26/2011	0.015	0.012	P	6/19/2015	0.05	0.026	P	11/7/2017	0.081	0.037	P	P	None
21	B	2nd floor, hallway, by elevator, right	8/29/2008	0.026	0.017	P					10/26/2011	0.019	0.013	P	6/19/2015	0.046	0.027	P	11/7/2017	0.032	0.023	P	P	None
22	S	2114 resource	8/29/2008	0.089	0.016	P	10/2/2008	0.043	0.025	P	10/26/2011	0.034	0.014	P	6/19/2015	0.045	0.024	P	11/7/2017	0.07	0.024	P	P	None
23	S	custodian office																	11/7/2017	0.055	0.016	P	P	None

Table 5. Iron Test Results

FIXTURE INFORMATION			Initial Sampling				Follow-up Sampling 1				Follow-up Sampling 2				Follow-up Sampling 3				Summary Status	
Fixture ID	Type	Location	Sampled	1st Draw	Flush 2m	Pass/Fail	Sampled	1st Draw	Flush 2m	Pass/Fail	Sampled	1st Draw	Flush 2m	Pass/Fail	Sampled	1st Draw	Flush 2m	Pass/Fail	Pass/Fail	Status
01	B	commons,	8/29/2008		0.148	P													P	None
02	B	commons, bottle filler					10/26/2011		<0.05	P									P	None
04	S	Kitchen, left	8/29/2008		0.5	P													P	None
05	S	Kitchen, middle									6/19/2015		<0.05	P					P	None
06	S	Kitchen, right												11/7/2017		<0.05	P	P	None	
07	S	room 1173, Special Education, NW (left)	8/29/2008		0.092	P													P	None
08	S	room 1173, Special Education, NE (right)																		Sample
09	S	room 1126, multi-purpose room																		Sample
10	S	Childcare, north, right	8/29/2008		0.053	P	10/26/2011		<0.05	P									P	None
12	S	childcare, 1206, changing area																		Sample
13	S	childcare, 1204, kitchen, left									6/19/2015		<0.05	P					P	None
14	S	childcare, 1204, kitchen, right												11/7/2017		<0.05	P	P	None	
15	S	childcare, 1203, kitchen, left	8/29/2008		0.06	P													P	None
16	S	childcare, 1203, kitchen, right																		Sample
17	S	childcare, 1202, changing area																		Sample
18	S/B	room 2107, behavior mod.	8/29/2008		0.083	P	10/26/2011		<0.05	P									P	None
19	S	2109 staff lounge																		Sample
20	B	2nd floor, hallway, by elevator, left	8/29/2008		0.1	P					6/19/2015		<0.05	P					P	None
21	B	2nd floor, hallway, by elevator, right												11/7/2017		<0.05	P	P	None	
22	S	2114 resource	8/29/2008		0.288	P													P	None
23	S	custodian office																		Sample

Table 6. Service Entry Test Results

Test Results (Service Entry/SE, Units as Shown)						
SOURCE INFORMATION			Most Recent Sampling			
Fixture ID	Type	Location	Item	Sampled	Max Value	Pass/Fail
00	SE	1193, mechanical room	Arsenic	07-Nov-17	2 ppb	P
00	SE	1193, mechanical room	Cadmium	07-Nov-17	1 ppb	P
00	SE	1193, mechanical room	Copper	07-Nov-17	0.014 ppm	P
00	SE	1193, mechanical room	Iron	07-Nov-17	<0.05 ppm	P
00	SE	1193, mechanical room	Lead	07-Nov-17	1 ppb	P
00	SE	1193, mechanical room	Total Coliforms	26-Oct-11	<1 Colonies	P

"<" means: less than the value shown (below analytical detection limits).

"n/a" means: not applicable.

Table 7. Bacteriological Test Results

Bacteriological Characteristics

Bacteriological testing of selected samples indicated no (zero) coliform bacteria.