

Seattle Public Schools
Drinking Water Quality Program

Results of Water Quality Testing
for
Sand Point elementary school

Updated March 15, 2018

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 locations 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	S	office	P	None	P	None	P	None	P	None	Yes
02	S	kitchen,	P	None	P	None	P	None	P	None	Yes
03	S	kitchen, 2-sink-faucet, left	P	None	P	None	P	None			Yes
04	S	kitchen, 2-sink-faucet, right	P	None	P	None	P	None			Yes
05	S	lunch room, conf. A	P	None	P	None	P	None			Yes
06	S	nurse office	P	None	P	None	P	None			Yes
07	B	hallway by room 101	P	None	P	None	P	None	P	None	Yes
08	S/B	room 101	P	None	P	None	P	None			Yes
09	S/B	room 102	P	None	P	None	P	None			Yes
10	S/B	room 103	P	None	P	None	P	None			Yes
11	S/B	room 104	P	None	P	None	P	None			Yes
12	S/B	room 105	P	None	P	None	P	None	P	None	Yes
13	S/B	room 106	P	None	P	None	P	None	P	None	Yes
14	S/B	room 107	P	None	P	None	P	None	P	None	Yes
15	S/B	room 108	P	None	P	None	P	None			Yes
16	S	room 109	P	None	P	None	P	None			Yes
17	S/B	room 110	P	None	P	None	P	None			Yes
18	S/B	room 112	P	None	P	None	P	None			Yes
19	S/B	room 114	P	None	P	None	P	None	P	None	Yes
20	B	girl's bathroom left	P	None	P	None	P	None	P	None	Yes
21	B	girl's bathroom middle	P	None	P	None	P	None	P	None	Yes
22	B	girl's bathroom right	P	None	P	None	P	None	P	None	Yes
23	B	boy's bathroom left	P	None	P	None	P	None			Yes
24	B	boy's bathroom middle	P	None	P	None	P	None			Yes
25	B	boy's bathroom right	P	None	P	None	P	None	P	None	Yes
26	S/B	room 113	P	None	P	None	P	None			Yes
27	B	hallway by room 101, bottle filler	P	None	P	None	P	None			Yes

Table 2. Lead 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 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	S	office	8/30/2011	7	3	P					5/13/2015	3	<1	P	1/9/2018	3	<1	P	P	None
02	S	kitchen,	8/30/2011	8	1	P					5/13/2015	1	<1	P	1/9/2018	<1	<1	P	P	None
03	S	kitchen, 2-sink-faucet, left	8/30/2011	2	<1	P					5/13/2015	<1	<1	P	1/9/2018	1	<1	P	P	None
04	S	kitchen, 2-sink-faucet, right	8/30/2011	3	<1	P					5/13/2015	<1	<1	P	1/9/2018	<1	<1	P	P	None
05	S	lunch room, conf. A	8/30/2011	3	2	P					5/13/2015	<1	<1	P	1/9/2018	<1	<1	P	P	None
06	S	nurse office	8/30/2011	3	2	P					5/13/2015	1	3	P	1/9/2018	<1	<1	P	P	None
07	B	hallway by room 101	8/30/2011	4	1	P					5/13/2015	<1	<1	P	1/9/2018	<1	<1	P	P	None
08	S/B	room 101	8/30/2011	2	1	P					5/13/2015	<1	<1	P	1/9/2018	<1	<1	P	P	None
09	S/B	room 102	8/30/2011	10	2	P					5/13/2015	<1	<1	P	1/9/2018	<1	<1	P	P	None
10	S/B	room 103	8/30/2011	3	1	P					5/13/2015	<1	<1	P	1/9/2018	<1	<1	P	P	None
11	S/B	room 104	8/30/2011	2	<1	P					5/13/2015	<1	<1	P	1/9/2018	<1	<1	P	P	None
12	S/B	room 105	8/30/2011	6	3	P					5/13/2015	<1	<1	P	1/9/2018	<1	<1	P	P	None
13	S/B	room 106	8/30/2011	4	3	P					5/13/2015	<1	<1	P	1/9/2018	<1	<1	P	P	None
14	S/B	room 107	8/30/2011	4	3	P					5/13/2015	<1	<1	P	1/9/2018	<1	<1	P	P	None
15	S/B	room 108	8/30/2011	4	9	P					5/13/2015	<1	<1	P	1/9/2018	<1	<1	P	P	None
16	S	room 109	8/30/2011	4	3	P					5/13/2015	1	<1	P	1/9/2018	<1	<1	P	P	None
17	S/B	room 110	8/30/2011	8	2	P					5/13/2015	1	<1	P	1/9/2018	<1	<1	P	P	None
18	S/B	room 112	8/30/2011	7	2	P					5/13/2015	<1	<1	P	1/9/2018	<1	<1	P	P	None
19	S/B	room 114	8/30/2011	6	2	P					5/13/2015	<1	<1	P	1/9/2018	<1	<1	P	P	None
20	B	girl's bathroom left	8/30/2011	3	2	P					5/13/2015	1	<1	P	1/9/2018	1	<1	P	P	None
21	B	girl's bathroom middle	8/30/2011	2	2	P					5/13/2015	<1	<1	P	1/9/2018	<1	<1	P	P	None
22	B	girl's bathroom right	8/30/2011	3	2	P					5/13/2015	2	<1	P	1/9/2018	<1	<1	P	P	None
23	B	boy's bathroom left	8/30/2011	7	5	P					5/13/2015	2	<1	P	1/9/2018	<1	<1	P	P	None
24	B	boy's bathroom middle	8/30/2011	4	12		9/7/2011	6	8	P	5/13/2015	<1	<1	P	1/9/2018	<1	<1	P	P	None
25	B	boy's bathroom right	8/30/2011	3	8	P					5/13/2015	<1	<1	P	1/9/2018	<1	<1	P	P	None
26	S/B	room 113	8/30/2011	5	4	P					5/13/2015	<1	<1	P	1/9/2018	<1	<1	P	P	None
27	B	hallway by room 101, bottle filler													1/9/2018	<1	<1	P	P	None

Table 3. Cadmium Test Results

FIXTURE INFORMATION			Initial Sampling						Follow-up Sampling 1						Follow-up Sampling 2						Summary Status	
Fixture ID	Type	Location	Sampled	1st Draw	Flush 30s	Flush 2m	Pass /Fail	Status	Sampled	1st Draw	Flush 30s	Flush 2m	Pass /Fail	Status	Sampled	1st Draw	Flush 30s	Flush 2m	Pass /Fail	Status	Pass/Fail	Status
01	S	office	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
02	S	kitchen,	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
03	S	kitchen, 2-sink-faucet, left	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
04	S	kitchen, 2-sink-faucet, right	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
05	S	lunch room, conf. A	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
06	S	nurse office	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
07	B	hallway by room 101	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
08	S/B	room 101	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
09	S/B	room 102	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
10	S/B	room 103	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
11	S/B	room 104	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
12	S/B	room 105	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
13	S/B	room 106	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
14	S/B	room 107	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
15	S/B	room 108	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
16	S	room 109	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
17	S/B	room 110	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
18	S/B	room 112	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
19	S/B	room 114	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
20	B	girl's bathroom left	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
21	B	girl's bathroom middle	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
22	B	girl's bathroom right	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
23	B	boy's bathroom left	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
24	B	boy's bathroom middle	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
25	B	boy's bathroom right	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
26	S/B	room 113	8/30/2011	<1	<1		P		5/13/2015	<1	<1		P		1/9/2018	<1	<1		P		P	None
27	B	hallway by room 101, bottle filler													1/9/2018	<1	<1		P		P	None

Table 4. Copper Test Results

FIXTURE INFORMATION			Initial Sampling						Follow-up Sampling 1						Follow-up Sampling 2						Summary Status	
Fixture ID	Type	Location	Sampled	1st Draw	Flush 30s	Flush 2m	Pass/ Fail	Status	Sampled	1st Draw	Flush 30s	Flush 2m	Pass /Fail	Status	Sampled	1st Draw	Flush 30s	Flush 2m	Pass /Fail	Status	Pass/Fail	Status
01	S	office	8/30/2011	0.263	0.17		P		5/13/2015	0.138	0.158		P		1/9/2018	0.299	0.309		P		P	None
02	S	kitchen,	8/30/2011	0.205	0.236		P		5/13/2015	0.092	0.029		P		1/9/2018	0.309	0.223		P		P	None
03	S	kitchen, 2-sink-faucet, left	8/30/2011	0.239	0.179		P		5/13/2015	0.049	0.031		P		1/9/2018	0.355	0.215		P		P	None
04	S	kitchen, 2-sink-faucet, right	8/30/2011	0.153	0.165		P		5/13/2015	0.036	0.027		P		1/9/2018	0.223	0.213		P		P	None
05	S	lunch room, conf. A	8/30/2011	0.186	0.297		P		5/13/2015	0.067	0.069		P		1/9/2018	0.268	0.308		P		P	None
06	S	nurse office	8/30/2011	0.191	0.142		P		5/13/2015	0.115	0.083		P		1/9/2018	0.256	0.292		P		P	None
07	B	hallway by room 101	8/30/2011	0.206	0.149		P		5/13/2015	0.151	0.148		P		1/9/2018	0.158	0.197		P		P	None
08	S/B	room 101	8/30/2011	0.241	0.149		P		5/13/2015	0.138	0.159		P		1/9/2018	0.256	0.314		P		P	None
09	S/B	room 102	8/30/2011	0.298	0.274		P		5/13/2015	0.15	0.158		P		1/9/2018	0.306	0.342		P		P	None
10	S/B	room 103	8/30/2011	0.211	0.276		P		5/13/2015	0.17	0.173		P		1/9/2018	0.33	0.375		P		P	None
11	S/B	room 104	8/30/2011	0.223	0.234		P		5/13/2015	0.196	0.179		P		1/9/2018	0.356	0.362		P		P	None
12	S/B	room 105	8/30/2011	0.224	0.212		P		5/13/2015	0.192	0.168		P		1/9/2018	0.344	0.345		P		P	None
13	S/B	room 106	8/30/2011	0.215	0.24		P		5/13/2015	0.179	0.162		P		1/9/2018	0.32	0.346		P		P	None
14	S/B	room 107	8/30/2011	0.314	0.249		P		5/13/2015	0.175	0.176		P		1/9/2018	0.333	0.353		P		P	None
15	S/B	room 108	8/30/2011	0.198	0.198		P		5/13/2015	0.16	0.173		P		1/9/2018	0.303	0.352		P		P	None
16	S	room 109	8/30/2011	0.185	0.215		P		5/13/2015	0.156	0.15		P		1/9/2018	0.262	0.351		P		P	None
17	S/B	room 110	8/30/2011	0.33	0.165		P		5/13/2015	0.139	0.172		P		1/9/2018	0.354	0.333		P		P	None
18	S/B	room 112	8/30/2011	0.631	0.196		P		5/13/2015	0.154	0.168		P		1/9/2018	0.253	0.315		P		P	None
19	S/B	room 114	8/30/2011	0.224	0.226		P		5/13/2015	0.191	0.19		P		1/9/2018	0.302	0.311		P		P	None
20	B	girl's bathroom left	8/30/2011	0.127	0.128		P		5/13/2015	0.185	0.19		P		1/9/2018	0.274	0.317		P		P	None
21	B	girl's bathroom middle	8/30/2011	0.132	0.116		P		5/13/2015	0.188	0.188		P		1/9/2018	0.321	0.322		P		P	None
22	B	girl's bathroom right	8/30/2011	0.13	0.112		P		5/13/2015	0.163	0.177		P		1/9/2018	0.257	0.248		P		P	None
23	B	boy's bathroom left	8/30/2011	0.358	0.252		P		5/13/2015	0.144	0.153		P		1/9/2018	0.284	0.318		P		P	None
24	B	boy's bathroom middle	8/30/2011	0.261	0.235		P		5/13/2015	0.148	0.15		P		1/9/2018	0.325	0.321		P		P	None
25	B	boy's bathroom right	8/30/2011	0.247	0.215		P		5/13/2015	0.156	0.169		P		1/9/2018	0.299	0.308		P		P	None
26	S/B	room 113	8/30/2011	0.244	0.257		P		5/13/2015	0.185	0.176		P		1/9/2018	0.331	0.337		P		P	None
27	B	hallway by room 101, bottle filler													1/9/2018	0.248	0.257		P		P	None

Table 5. Iron Test Results

FIXTURE INFORMATION			Initial Sampling					Follow-up Sampling 1					Follow-up Sampling 2					Summary Status	
Fixture ID	Type	Location	Sampled	1st Draw	Flush 30s	Flush 2m	Pass/Fail	Sampled	1st Draw	Flush 30s	Flush 2m	Pass/Fail	Sampled	1st Draw	Flush 30s	Flush 2m	Pass/Fail	Pass/Fail	Status
01	S	office	8/30/2011			<0.05	P											P	None
02	S	kitchen,	8/30/2011			<0.05	P											P	None
03	S	kitchen, 2-sink-faucet, left																	
04	S	kitchen, 2-sink-faucet, right																	
05	S	lunch room, conf. A																	
06	S	nurse office																	
07	B	hallway by room 101											1/9/2018			<0.05	P	P	None
08	S/B	room 101																	
09	S/B	room 102																	
10	S/B	room 103																	
11	S/B	room 104																	
12	S/B	room 105	8/30/2011			<0.05	P											P	None
13	S/B	room 106						5/13/2015			<0.05	P						P	None
14	S/B	room 107											1/9/2018			<0.05	P	P	None
15	S/B	room 108																	
16	S	room 109																	
17	S/B	room 110																	
18	S/B	room 112																	
19	S/B	room 114	8/30/2011			<0.05	P											P	None
20	B	girl's bathroom left						5/13/2015			<0.05	P						P	None
21	B	girl's bathroom middle											1/9/2018			<0.05	P	P	None
22	B	girl's bathroom right	8/30/2011			<0.05	P											P	None
23	B	boy's bathroom left																	
24	B	boy's bathroom middle																	
25	B	boy's bathroom right						5/13/2015			<0.05	P						P	None
26	S/B	room 113																	
27	B	hallway by room 101, bottle filler																	

Table 6. Service Entry Test Results

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

"n/a" means: not applicable.

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	Boiler room	Arsenic	09-Jan-18	2 ppb	P
00	SE	Boiler room	Cadmium	09-Jan-18	1 ppb	P
00	SE	Boiler room	Copper	09-Jan-18	0.159 ppm	P
00	SE	Boiler room	Iron	09-Jan-18	<0.05 ppm	P
00	SE	Boiler room	Lead	09-Jan-18	1 ppb	P
00	SE	Boiler room	Total Coliforms	30-Aug-11	<1 Colonies	P

Table 7. Bacteriological Test Results

Bacteriological Characteristics

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