

**Seattle Public Schools
Drinking Water Quality Program**

**Results of Water Quality Testing
for
Decatur Elementary**

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: There is one source that doesn't meet the policy criteria. A sign will be posted at: main office (#48).

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	main hall by art	P	None	P	None	P	None			Yes
02	B	main hall by nurse	P	None	P	None	P	None			Yes
03	B	main hall by room 17	P	None	P	None	P	None			Yes
04	B	bottle filler, hallway west near boys lav	P	None	P	None	P	None			Yes
06	B	hallway near boys lav	P	None	P	None	P	None	P	None	Yes
07	B	hallway near boys lav	P	None	P	None	P	None			Yes
08	B	hallway near boys lav	P	None	P	None	P	None			Yes
09	B	hallway near girls lav	P	None	P	None	P	None			Yes
10	B	hallway near girls lav	P	None	P	None	P	None			Yes
11	B	hallway near girls lav	P	None	P	None	P	None	P	None	Yes
12	S/B	room #1,	P	None	P	None	P	None			Yes
13	S/B	room #3,	P	None	P	None	P	None			Yes
14	S/B	room #2,	P	None	P	None	P	None			Yes
15	S/B	room #4,	P	None	P	None	P	None			Yes
16	S/B	room #5,	P	None	P	None	P	None	P	None	Yes
17	S/B	room #6,	P	None	P	None	P	None			Yes
18	S/B	room #7,	P	None	P	None	P	None			Yes
19	S/B	room #8,	P	None	P	None	P	None			Yes
20	S/B	room #9,	P	None	P	None	P	None			Yes
21	S/B	room #10,	P	None	P	None	P	None	P	None	Yes
22	S/B	room #11,	P	None	P	None	P	None			Yes
23	S/B	room #12	P	None	P	None	P	None			Yes
24	S/B	room #14	P	None	P	None	P	None			Yes
25	S/B	room #13	P	None	P	None	P	None			Yes
26	S/B	room #17	P	None	P	None	P	None	P	None	Yes
27	S/B	library -NW	P	None	P	None	P	None			Yes
31	S	kitchen	P	None	P	None	P	None			Yes
32	S	teacher's lounge	P	None	P	None	P	None			Yes
33	S	nurse office	P	None	P	None	P	None	P	None	Yes
41	S	kitchen, right of 31	P	None	P	None	P	None			Yes
43	S	kitchen, left of 31	P	None	P	None	P	None			Yes
47	S	confidence room	P	None	P	None	P	None			Yes
48	S	main office	F	PS	P	None	P	None	P	None	PS

Table 2. Lead Test Results

Test Results (Lead/Pb, ppb)																
FIXTURE INFORMATION			5/19/2017			6/30/2017			9/6/2017			8/28/2019			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	main hall by art	<1	<1	P										P	None
02	B	main hall by nurse	<1	<1	P										P	None
03	B	main hall by room 17	<1	<1	P										P	None
04	B	bottle filler, hallway west near boys lav	<1	<1	P										P	None
06	B	hallway near boys lav	<1	<1	P										P	None
07	B	hallway near boys lav	<1	<1	P										P	None
08	B	hallway near boys lav	<1	<1	P										P	None
09	B	hallway near girls lav	<1	<1	P										P	None
10	B	hallway near girls lav	<1	<1	P										P	None
11	B	hallway near girls lav	<1	<1	P										P	None
12	S/B	room #1,	<1	<1	P										P	None
13	S/B	room #3,	<1	<1	P										P	None
14	S/B	room #2,	<1	<1	P										P	None
15	S/B	room #4,	<1	<1	P										P	None
16	S/B	room #5,	<1	<1	P										P	None
17	S/B	room #6,	<1	<1	P										P	None
18	S/B	room #7,	<1	<1	P										P	None
19	S/B	room #8,	<1	<1	P										P	None
20	S/B	room #9,	<1	<1	P										P	None
21	S/B	room #10,	<1	<1	P										P	None
22	S/B	room #11,	<1	<1	P										P	None
23	S/B	room #12	<1	<1	P										P	None
24	S/B	room #14	<1	<1	P										P	None
25	S/B	room #13	<1	<1	P										P	None
26	S/B	room #17	<1	<1	P										P	None
27	S/B	library -NW	<1	<1	P										P	None
31	S	kitchen	11	<1		1	<1	P				<1	<1	P	P	None
32	S	teacher's lounge	1	<1	P										P	None
33	S	nurse office	2	<1	P										P	None
41	S	kitchen, right of 31	<1	<1	P										P	None
43	S	kitchen, left of 31	<1	<1	P										P	None
47	S	confidence room	5	3	P										P	None
48	S	main office	21	11		48	2		23	5		11	3		F	PS

Table 3. Cadmium Test Results

FIXTURE INFORMATION			Initial Sampling						Follow-up Sampling 1						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	Pass/Fail	Status
01	B	main hall by art	5/19/2017	<1	<1		P								P	None
02	B	main hall by nurse	5/19/2017	<1	<1		P								P	None
03	B	main hall by room 17	5/19/2017	<1	<1		P								P	None
04	B	bottle filler, hallway west near boys lav	5/19/2017	<1	<1		P								P	None
06	B	hallway near boys lav	5/19/2017	<1	<1		P								P	None
07	B	hallway near boys lav	5/19/2017	<1	<1		P								P	None
08	B	hallway near boys lav	5/19/2017	<1	<1		P								P	None
09	B	hallway near girls lav	5/19/2017	<1	<1		P								P	None
10	B	hallway near girls lav	5/19/2017	<1	<1		P								P	None
11	B	hallway near girls lav	5/19/2017	<1	<1		P								P	None
12	S/B	room #1,	5/19/2017	<1	<1		P								P	None
13	S/B	room #3,	5/19/2017	<1	<1		P								P	None
14	S/B	room #2,	5/19/2017	<1	<1		P								P	None
15	S/B	room #4,	5/19/2017	<1	<1		P								P	None
16	S/B	room #5,	5/19/2017	<1	<1		P								P	None
17	S/B	room #6,	5/19/2017	<1	<1		P								P	None
18	S/B	room #7,	5/19/2017	<1	<1		P								P	None
19	S/B	room #8,	5/19/2017	<1	<1		P								P	None
20	S/B	room #9,	5/19/2017	<1	<1		P								P	None
21	S/B	room #10,	5/19/2017	<1	<1		P								P	None
22	S/B	room #11,	5/19/2017	<1	<1		P								P	None
23	S/B	room #12	5/19/2017	<1	<1		P								P	None
24	S/B	room #14	5/19/2017	<1	<1		P								P	None
25	S/B	room #13	5/19/2017	<1	<1		P								P	None
26	S/B	room #17	5/19/2017	<1	<1		P								P	None
27	S/B	library -NW	5/19/2017	<1	<1		P								P	None
31	S	kitchen	5/19/2017	<1	<1		P		6/30/2017	<1	<1			P		
32	S	teacher's lounge	5/19/2017	<1	<1		P								P	None
33	S	nurse office	5/19/2017	<1	<1		P								P	None
41	S	kitchen, right of 31	5/19/2017	<1	<1		P								P	None
43	S	kitchen, left of 31	5/19/2017	<1	<1		P								P	None
47	S	confidence room	5/19/2017	<1	<1		P								P	None
48	S	main office	5/19/2017	<1	<1		P									None

Table 4. Copper Test Results

FIXTURE INFORMATION			Initial Sampling						Follow-up Sampling 1						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	Pass/Fail	Status
01	B	main hall by art	5/19/2017	<0.002	<0.002		P								P	None
02	B	main hall by nurse	5/19/2017	<0.002	<0.002		P								P	None
03	B	main hall by room 17	5/19/2017	<0.002	<0.002		P								P	None
04	B	bottle filler, hallway west near boys lav	5/19/2017	0.004	<0.002		P								P	None
06	B	hallway near boys lav	5/19/2017	<0.002	<0.002		P								P	None
07	B	hallway near boys lav	5/19/2017	<0.002	<0.002		P								P	None
08	B	hallway near boys lav	5/19/2017	<0.002	<0.002		P								P	None
09	B	hallway near girls lav	5/19/2017	0.01	0.004		P								P	None
10	B	hallway near girls lav	5/19/2017	<0.002	<0.002		P								P	None
11	B	hallway near girls lav	5/19/2017	0.003	<0.002		P								P	None
12	S/B	room #1,	5/19/2017	<0.002	<0.002		P								P	None
13	S/B	room #3,	5/19/2017	0.002	<0.002		P								P	None
14	S/B	room #2,	5/19/2017	0.003	<0.002		P								P	None
15	S/B	room #4,	5/19/2017	0.004	<0.002		P								P	None
16	S/B	room #5,	5/19/2017	0.002	<0.002		P								P	None
17	S/B	room #6,	5/19/2017	0.003	<0.002		P								P	None
18	S/B	room #7,	5/19/2017	0.007	0.002		P								P	None
19	S/B	room #8,	5/19/2017	<0.002	<0.002		P								P	None
20	S/B	room #9,	5/19/2017	<0.002	<0.002		P								P	None
21	S/B	room #10,	5/19/2017	0.003	<0.002		P								P	None
22	S/B	room #11,	5/19/2017	<0.002	<0.002		P								P	None
23	S/B	room #12	5/19/2017	<0.002	<0.002		P								P	None
24	S/B	room #14	5/19/2017	0.004	0.002		P								P	None
25	S/B	room #13	5/19/2017	<0.002	<0.002		P								P	None
26	S/B	room #17	5/19/2017	0.011	0.006		P								P	None
27	S/B	library -NW	5/19/2017	<0.002	<0.002		P								P	None
31	S	kitchen	5/19/2017	0.07	0.003		P		6/30/2017	0.017	0.005		P		P	None
32	S	teacher's lounge	5/19/2017	0.078	0.038		P								P	None
33	S	nurse office	5/19/2017	0.111	0.066		P								P	None
41	S	kitchen, right of 31	5/19/2017	0.021	0.002		P								P	None
43	S	kitchen, left of 31	5/19/2017	0.015	0.002		P								P	None
47	S	confidence room	5/19/2017	0.088	0.158		P								P	None
48	S	main office	5/19/2017	0.451	0.21		P								P	None

Table 5. Iron Test Results

FIXTURE INFORMATION			Initial Sampling						Summary Status	
Fixture ID	Type	Location	Sampled	1st Draw	Flush 30s	Flush 2m	Pass/Fail	Status	Pass/Fail	Status
01	B	main hall by art						Sample		
02	B	main hall by nurse						Sample		
03	B	main hall by room 17						Sample		
04	B	bottle filler, hallway west near boys lav						Sample		
06	B	hallway near boys lav	5/19/2017			<0.05	P		P	None
07	B	hallway near boys lav						Sample		
08	B	hallway near boys lav						Sample		
09	B	hallway near girls lav						Sample		
10	B	hallway near girls lav						Sample		
11	B	hallway near girls lav	5/19/2017			<0.05	P		P	None
12	S/B	room #1,						Sample		
13	S/B	room #3,						Sample		
14	S/B	room #2,						Sample		
15	S/B	room #4,						Sample		
16	S/B	room #5,	5/19/2017			<0.05	P		P	None
17	S/B	room #6,						Sample		
18	S/B	room #7,						Sample		
19	S/B	room #8,						Sample		
20	S/B	room #9,						Sample		
21	S/B	room #10,	5/19/2017			<0.05	P		P	None
22	S/B	room #11,						Sample		
23	S/B	room #12						Sample		
24	S/B	room #14						Sample		
25	S/B	room #13						Sample		
26	S/B	room #17	5/19/2017			0.053	P		P	None
27	S/B	library -NW						Sample		
31	S	kitchen						Sample		
32	S	teacher's lounge						Sample		
33	S	nurse office	5/19/2017			0.237	P		P	None
41	S	kitchen, right of 31						Sample		
43	S	kitchen, left of 31						Sample		
47	S	confidence room						Sample		
48	S	main office	5/19/2017			0.459	P		P	None

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	boiler room, south wall	Arsenic	19-May-17	2 ppb	P
00	SE	boiler room, south wall	Cadmium	19-May-17	1 ppb	P
00	SE	boiler room, south wall	Copper	19-May-17	0.002 ppm	P
00	SE	boiler room, south wall	Iron	19-May-17	<0.05 ppm	P
00	SE	boiler room, south wall	Lead	19-May-17	1 ppb	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.