

**Seattle Public Schools
Drinking Water Quality Program**

**Results of Water Quality Testing
for
McGilvra Elementary school**

Updated July 08, 2020

General Information:

Plumbing piping materials: galvanized steel and 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.

Sinks (S in the report) are not considered drinking water sources. We recognize that there is the potential for students to want to drink from classroom hand-washing sinks, so we test all of those. Where a student's choice to drink from a sink could be a problem, we post a reminder sign, as we do at all restroom sinks.

Status:

Policy Criteria:

There is one source that doesn't meet the policy criteria. A sign will be posted at South Library storage room (#25)

Follow-up monitoring: Will be performed in school year 2022-2023

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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
BDSS	Bubbler disabled, sign on sink
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	SW corner of bldg	P	None	P	None	P	None	P	None	Yes
02	B	SW corner of bldg	P	None	P	None	P	None	P	None	Yes
03	B	SW corner of bldg	P	None	P	None	P	None			Yes
04	B	SW corner of bldg	P	None	P	None	P	None	P	None	Yes
05	B	SW corner of bldg	P	None	P	None	P	None	P	None	Yes
06	B	SW corner of bldg	P	None	P	None	P	None			Yes
07	B	SW corner of bldg	P	None	P	None	P	None	P	None	Yes
08	B	SW corner of bldg	P	None	P	None	P	None			Yes
13	S/B	room 7	P	None	P	None	P	None			Yes
19	S	nurses office	P	None	P	None	P	None	P	None	Yes
20	S	work room	P	None	P	None	P	None	P	None	Yes
21	S	teachers lounge	P	None	P	None	P	None	P	None	Yes
22	B	gym	P	None	P	None	P	None	P	None	Yes
25	S	South Library Storage room	F	PS	P	None	P	None	P	None	PS
30	B	cafeteria, left	P	None	P	None	P	None	P	None	Yes
31	B	cafeteria, right	P	None	P	None	P	None	P	None	Yes
32	B	Cafeteria, bottle filler	P	None	P	None	P	None			Yes
33	S	cafeteria	P	None	P	None	P	None	P	None	Yes
34	S	kitchen, left	P	None	P	None	P	None	P	None	Yes
35	S	Kitchen, right	P	None	P	None	P	None	P	None	Yes
36	S	kitchen	P	None	P	None	P	None	P	None	Yes

Table 2. Lead Test Results

FIXTURE INFORMATION			1/28/2010			2/14/2013			4/12/2017			8/14/2018			8/15/2018			5/8/2020			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	1st Draw	Flush 30s	Pass /Fail	1st Draw	Flush 30s	Pass /Fail	Pass/Fail	Status
01	B	SW corner of bldg	<1	<1	P	<1	<1	P	<1	<1	P							<1	<1	P	P	None
02	B	SW corner of bldg	<1	<1	P	<1	<1	P	<1	<1	P							1	1	P	P	None
03	B	SW corner of bldg	<1	<1	P	<1	<1	P	<1	<1	P							2	2	P	P	None
04	B	SW corner of bldg	<1	<1	P	<1	<1	P	<1	<1	P							<1	<1	P	P	None
05	B	SW corner of bldg	<1	<1	P	<1	<1	P	<1	<1	P							2	2	P	P	None
06	B	SW corner of bldg	<1	<1	P	<1	<1	P	<1	<1	P							1	1	P	P	None
07	B	SW corner of bldg	1	<1	P	<1	<1	P	<1	<1	P							1	1	P	P	None
08	B	SW corner of bldg	<1	<1	P	<1	<1	P	<1	<1	P							1	1	P	P	None
13	S/B	room 7	<1	<1	P	<1	<1	P	<1	<1	P							<1	2	P	P	None
19	S	nurses office	<1	<1	P	<1	<1	P	<1	<1	P							<1	<1	P	P	None
20	S	work room	2	<1	P	<1	<1	P	<1	<1	P							2	2	P	P	None
21	S	teachers lounge	<1	<1	P	<1	<1	P	<1	<1	P							<1	2	P	P	None
22	B	gym	<1	<1	P	<1	<1	P	<1	<1	P							2	<1	P	P	None
25	S	South Library Storage room	41	1		18	2		3	1	P							27	7		F	PS
30	B	cafeteria, left										<1	<1	P				<1	<1	P	P	None
31	B	cafeteria, right										<1	<1	P				<1	<1	P	P	None
32	B	Cafeteria, bottle filler													<1	<1	P	<1	<1	P	P	None
33	S	cafeteria										<1	<1	P				<1	1	P	P	None
34	S	kitchen, left										<1	<1	P				1	1	P	P	None
35	S	Kitchen, right										<1	<1	P				1	1	P	P	None
36	S	kitchen										2	<1	P				2	1	P	P	None

Table 3. Cadmium Test Results

FIXTURE INFORMATION			1/28/2010			2/14/2013			4/12/2017			8/14/2018			8/15/2018			5/8/2020			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	1st Draw	Flush 30s	Pass /Fail	1st Draw	Flush 30s	Pass /Fail	Pass/Fail	Status
01	B	SW corner of bldg	<1	<1	P	<1	<1	P	<1	<1	P							<1	<1	P	P	None
02	B	SW corner of bldg	<1	<1	P	<1	<1	P	<1	<1	P							<1	<1	P	P	None
03	B	SW corner of bldg	<1	<1	P	<1	<1	P	<1	<1	P							<1	<1	P	P	None
04	B	SW corner of bldg	<1	<1	P	<1	<1	P	<1	<1	P							<1	<1	P	P	None
05	B	SW corner of bldg	<1	<1	P	<1	<1	P	<1	<1	P							<1	<1	P	P	None
06	B	SW corner of bldg	<1	<1	P	<1	<1	P	<1	<1	P							<1	<1	P	P	None
07	B	SW corner of bldg	<1	<1	P	<1	<1	P	<1	<1	P							<1	<1	P	P	None
08	B	SW corner of bldg	<1	<1	P	<1	<1	P	<1	<1	P							<1	<1	P	P	None
13	S/B	room 7	<1	<1	P	<1	<1	P	<1	<1	P							<1	<1	P	P	None
19	S	nurses office	<1	<1	P	<1	<1	P	<1	<1	P							<1	<1	P	P	None
20	S	work room	<1	<1	P	1	<1	P	<1	<1	P							<1	<1	P	P	None
21	S	teachers lounge	<1	<1	P	<1	<1	P	<1	<1	P							<1	<1	P	P	None
22	B	gym	<1	<1	P	<1	<1	P	<1	<1	P							<1	<1	P	P	None
25	S	South Library Storage room	1	<1	P	<1	<1	P	<1	<1	P							2	<1	P	P	None
30	B	cafeteria, left										<1	<1	P				<1	<1	P	P	None
31	B	cafeteria, right										<1	<1	P				<1	<1	P	P	None
32	B	Cafeteria, bottle filler													<1	<1	P	<1	<1	P	P	None
33	S	cafeteria										<1	<1	P				<1	<1	P	P	None
34	S	kitchen, left										<1	<1	P				<1	<1	P	P	None
35	S	Kitchen, right										<1	<1	P				<1	<1	P	P	None
36	S	kitchen										<1	<1	P				<1	<1	P	P	None

Table 4. Copper Test Results

FIXTURE INFORMATION			1/28/2010			2/14/2013			4/12/2017			8/14/2018			8/15/2018			5/8/2020			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	1st Draw	Flush 30s	Pass /Fail	1st Draw	Flush 30s	Pass /Fail	Pass/Fail	Status
01	B	SW corner of bldg	0.254	0.03	P	0.184	0.031	P	0.089	0.021	P							0.049	0.049	P	P	None
02	B	SW corner of bldg	0.024	0.026	P	0.03	0.037	P	0.014	0.024	P							0.061	0.052	P	P	None
03	B	SW corner of bldg	0.024	0.022	P	0.038	0.039	P	0.018	0.017	P							0.056	0.058	P	P	None
04	B	SW corner of bldg	0.024	0.024	P	0.037	0.037	P	0.03	0.032	P							0.138	0.065	P	P	None
05	B	SW corner of bldg	0.04	0.039	P	0.096	0.222	P	0.058	0.093	P							0.066	0.056	P	P	None
06	B	SW corner of bldg	0.044	0.04	P	0.134	0.052	P	0.072	0.037	P							0.053	0.049	P	P	None
07	B	SW corner of bldg	0.082	0.042	P	0.051	0.052	P	0.033	0.03	P							0.041	0.044	P	P	None
08	B	SW corner of bldg	0.151	0.23	P	0.045	0.053	P	0.03	0.026	P							0.048	0.045	P	P	None
13	S/B	room 7	0.002	<0.002	P	<0.002	<0.002	P	0.163	0.125	P							0.131	0.016	P	P	None
19	S	nurses office	0.017	0.006	P	0.008	<0.002	P	0.012	<0.002	P							0.009	0.004	P	P	None
20	S	work room	0.019	0.018	P	0.022	0.026	P	0.006	0.005	P							0.038	0.044	P	P	None
21	S	teachers lounge	0.026	0.021	P	0.029	0.038	P	0.009	0.006	P							0.023	0.045	P	P	None
22	B	gym	0.003	0.004	P	<0.002	<0.002	P	0.003	<0.002	P							0.014	0.011	P	P	None
25	S	South Library Storage room	0.135	0.031	P	0.04	0.017	P	0.023	0.02	P							0.051	0.037	P	P	None
30	B	cafeteria, left										0.389	0.406	P				0.484	0.495	P	P	None
31	B	cafeteria, right										0.401	0.428	P				0.507	0.498	P	P	None
32	B	Cafeteria, bottle filler													0.481	0.915	P	0.49	0.496	P	P	None
33	S	cafeteria										0.306	0.338	P				0.459	0.449	P	P	None
34	S	kitchen, left										0.212	0.303	P				0.239	0.377	P	P	None
35	S	Kitchen, right										0.249	0.311	P				0.358	0.328	P	P	None
36	S	kitchen										0.224	0.289	P				0.351	0.354	P	P	None

Table 5. Iron Test Results

FIXTURE INFORMATION			1/28/2010		2/14/2013		4/12/2017		8/14/2018		5/8/2020		Summary Status	
Fixture ID	Type	Location	Flush 2m	Pass/Fail	Flush 2m	Pass/Fail	Flush 2m	Pass/Fail	Flush 2m	Pass/Fail	Flush 2m	Pass/Fail	Pass/Fail	Status
01	B	SW corner of bldg	0.074	P									P	None
02	B	SW corner of bldg			0.098	P							P	None
03	B	SW corner of bldg					0.864							
04	B	SW corner of bldg											P	None
05	B	SW corner of bldg											P	None
06	B	SW corner of bldg												
07	B	SW corner of bldg											P	None
08	B	SW corner of bldg												
13	S/B	room 7												
19	S	nurses office											P	None
20	S	work room									0.23	P	P	None
21	S	teachers lounge	0.05	P									P	None
22	B	gym	<0.05	P									P	None
25	S	South Library Storage room			0.066	P	0.18	P					P	None
30	B	cafeteria, left							<0.05	P			P	None
31	B	cafeteria, right							<0.05	P			P	None
32	B	Cafeteria, bottle filler												
33	S	cafeteria							<0.05	P	0.077	P	P	None
34	S	kitchen, left							<0.05	P			P	None
35	S	Kitchen, right							<0.05	P			P	None
36	S	kitchen							<0.05	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	Arsenic	08-May-20	2 ppb	P
00	SE	boiler room	Cadmium	08-May-20	1 ppb	P
00	SE	boiler room	Chlorine	23-Apr-04	0.5 ppm	P
00	SE	boiler room	Copper	08-May-20	0.206 ppm	P
00	SE	boiler room	E coli	23-Apr-04	<1 Colonies	P
00	SE	boiler room	Iron	08-May-20	0.057 ppm	P
00	SE	boiler room	Lead	08-May-20	1 ppb	P
00	SE	boiler room	Total Coliforms	23-Apr-04	<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.