

**Seattle Public Schools
Drinking Water Quality Program**

**Results of Water Quality Testing
for
ALKI ELEMENTARY SCHOOL**

Updated July 9, 2020

General Information:

Plumbing piping materials: galvanized steel

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:

This school has one source that do not meet the policy criteria. Sign will be posted at the office sink (#27).

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

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	hall (west)	P	None	P	None	P	None	P	None	Yes
02	B	bottle filler	P	None	P	None	P	None	P	None	Yes
03	B	hall	P	None	P	None	P	None	P	None	Yes
04	B/S	room 208, open class	P	None	P	None	P	None	P	None	Yes
05	B/S	room 210, 4th and 5th	P	None	P	None	P	None	P	None	Yes
06	B/S	room 207, 2nd	P	None	P	None	P	None	P	None	Yes
07	B/S	room 209, 5th	P	None	P	None	P	None	P	None	Yes
08	B/S	room 206, 4th	P	None	P	None	P	None	P	None	Yes
09	B/S	room 205, 2nd	P	None	P	None	P	None	P	None	Yes
10	B/S	room 203, 2nd	P	None	P	None	P	None	P	None	Yes
11	B/S	room 104, resource	P	None	P	None	P	None	P	None	Yes
12	B/S	room 108 - teachers lounge	P	None	P	None	P	None	P	None	Yes
14	B/S	room 109	P	None	P	None	P	None	P	None	Yes
16	B/S	room 107 (library)	P	None	P	None	P	None	P	None	Yes
17	S/B	room 106. 1st teacher work room	P	None	P	None	P	None	P	None	Yes
26	S	nurse station	P	None	P	None	P	None	P	None	Yes
27	S	office sink	F	PS	P	None	P	None	P	None	PS
28	S/B	room 105, 1st	P	None	P	None	P	None	P	None	Yes
29	S/B	room 103, kindergarten	P	None	P	None	P	None	P	None	Yes
30	S/B	room 102, kindergarten	P	None	P	None	P	None	P	None	Yes
31	S	Kitchen south wall	P	None	P	None	P	None	P	None	Yes
32	S	Kitchen east wall, left	P	None	P	None	P	None	P	None	Yes
33	S	Kitchen east wall, middle	P	None	P	None	P	None	P	None	Yes
34	S	Kitchen east wall, right	P	None	P	None	P	None	P	None	Yes
35	S	RM 202, 3rd	P	None	P	None	P	None	P	None	Yes
36	S	RM 201, 3rd	P	None	P	None	P	None	P	None	Yes
37	B	room 108	P	None	P	None	P	None			Yes

Table 2. Lead Test Results

FIXTURE INFORMATION			7/27/2010			7/23/2013			8/17/2016			8/27/2019			5/15/2020			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	Pass/Fail	Status
01	B	hall (west)	<1	<1	P	<1	<1	P	1	<1	P				<1	<1	P	P	None
02	B	bottle filler	<1	<1	P	7	<1	P	4	<1	P				2	<1	P	P	None
03	B	hall	<1	<1	P	4	1	P	3	<1	P				1	<1	P	P	None
04	B/S	room 208, open class	1	1	P	1	<1	P	<1	<1	P				<1	<1	P	P	None
05	B/S	room 210, 4th and 5th	<1	<1	P	<1	<1	P	2	1	P				<1	<1	P	P	None
06	B/S	room 207, 2nd	<1		P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
07	B/S	room 209, 5th	<1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
08	B/S	room 206, 4th	<1	<1	P	<1	<1	P	2	<1	P				<1	<1	P	P	None
09	B/S	room 205, 2nd	<1	<1	P	<1	<1	P	1	<1	P				<1	<1	P	P	None
10	B/S	room 203, 2nd	<1	<1	P				<1	<1	P				1	<1	P	P	None
11	B/S	room 104, resource	1	<1	P	2	<1	P	5	<1	P				1	<1	P	P	None
12	B/S	room 108 - teachers lounge	<1	<1	P	1	<1	P	1	<1	P				<1	<1	P	P	None
14	B/S	room 109	1	<1	P	<1	<1	P	2	1	P				<1	<1	P	P	None
16	B/S	room 107 (library)	1	<1	P	<1	<1	P	11	2		<1	<1	P	2	<1	P	P	None
17	S/B	room 106. 1st teacher work room	1	<1	P	2	5	P	5	2	P				1	<1	P	P	None
26	S	nurse station	3	<1	P	6	<1	P	6	<1	P				2	<1	P	P	None
27	S	office sink	26	1		12	2		30	3		6	1	P	35	2		F	PS
28	S/B	room 105, 1st	1	<1	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
29	S/B	room 103, kindergarten	2	<1	P	<1	<1	P	3	<1	P				2	<1	P	P	None
30	S/B	room 102, kindergarten	2	<1	P	1	<1	P	2	<1	P				1	<1	P	P	None
31	S	Kitchen south wall	<1	<1	P	1	<1	P	1	<1	P				<1	<1	P	P	None
32	S	Kitchen east wall, left	<1	2	P	<1	<1	P	1	<1	P				<1	<1	P	P	None
33	S	Kitchen east wall, middle	<1	2	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
34	S	Kitchen east wall, right	<1	2	P	<1	<1	P	<1	<1	P				<1	<1	P	P	None
35	S	RM 202, 3rd	<1	<1	P	4	1	P	3	<1	P				2	<1	P	P	None
36	S	RM 201, 3rd	<1	<1	P	2	<1	P	<1	<1	P				4	<1	P	P	None
37	B	room 108							4	<1	P							P	None

Table 3. Cadmium Test Results

FIXTURE INFORMATION			7/27/2010			7/23/2013			8/17/2016			5/15/2020			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	Pass/Fail	Status
01	B	hall (west)	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
02	B	bottle filler	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
03	B	hall	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
04	B/S	room 208, open class	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
05	B/S	room 210, 4th and 5th	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
06	B/S	room 207, 2nd	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
07	B/S	room 209, 5th	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
08	B/S	room 206, 4th	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
09	B/S	room 205, 2nd	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
10	B/S	room 203, 2nd	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
11	B/S	room 104, resource	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
12	B/S	room 108 - teachers lounge	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
14	B/S	room 109	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
16	B/S	room 107 (library)	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
17	S/B	room 106. 1st teacher work room	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
26	S	nurse station	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
27	S	office sink	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
28	S/B	room 105, 1st	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
29	S/B	room 103, kindergarten	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
30	S/B	room 102, kindergarten	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
31	S	Kitchen south wall	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
32	S	Kitchen east wall, left	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
33	S	Kitchen east wall, middle	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
34	S	Kitchen east wall, right	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
35	S	RM 202, 3rd	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
36	S	RM 201, 3rd	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
37	B	room 108	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None

Table 4. Copper Test Results

FIXTURE INFORMATION			7/27/2010			7/23/2013			8/17/2016			5/15/2020			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	Pass/Fail	Status
01	B	hall (west)	0.079	0.052	P	0.112	0.09	P	0.125	0.088	P	0.116	0.09	P	P	None
02	B	bottle filler	0.032	0.026	P	0.127	0.126	P	0.095	0.099	P	0.118	0.028	P	P	None
03	B	hall	0.118	0.046	P	0.063	0.057	P	0.107	0.043	P	0.036	0.029	P	P	None
04	B/S	room 208, open class	0.054	0.018	P	0.212	0.104	P	0.064	0.04	P	0.197	0.076	P	P	None
05	B/S	room 210, 4th and 5th	0.183	0.132	P	0.194	0.226	P	0.29	0.206	P	0.245	0.209	P	P	None
06	B/S	room 207, 2nd	0.11		P	0.123	0.081	P	0.476	0.555	P	0.173	0.06	P	P	None
07	B/S	room 209, 5th	0.226	0.322	P	0.327	0.369	P	0.142	0.05	P	0.411	0.381	P	P	None
08	B/S	room 206, 4th	0.11	0.039	P	0.088	0.032	P	0.096	0.057	P	0.088	0.035	P	P	None
09	B/S	room 205, 2nd	0.105	0.052	P	0.116	0.102	P	0.162	0.135	P	0.122	0.095	P	P	None
10	B/S	room 203, 2nd	0.177	0.139	P				0.18	0.146	P	0.217	0.142	P	P	None
11	B/S	room 104, resource	0.135	0.067	P	0.186	0.093	P	0.193	0.098	P	0.184	0.094	P	P	None
12	B/S	room 108 - teachers lounge	0.13	0.067	P	0.141	0.158	P	0.189	0.162	P	0.195	0.092	P	P	None
14	B/S	room 109	0.14	0.09	P	0.152	0.201	P	0.218	0.23	P	0.197	0.184	P	P	None
16	B/S	room 107 (library)	0.151	0.09	P	0.241	0.242	P	0.584	0.606	P	0.198	0.162	P	P	None
17	S/B	room 106. 1st teacher work room	0.33	0.214	P	0.37	0.284	P	0.524	0.366	P	0.267	0.204	P	P	None
26	S	nurse station	0.111	0.053	P	0.157	0.16	P	0.178	0.171	P	0.161	0.111	P	P	None
27	S	office sink	0.08	0.054	P	0.17	0.109	P	0.124	0.24	P	0.089	0.111	P	P	None
28	S/B	room 105, 1st	0.085	0.044	P	0.1	0.103	P	0.152	0.12	P	0.153	0.075	P	P	None
29	S/B	room 103, kindergarten	0.165	0.14	P	0.192	0.207	P	0.23	0.21	P	0.211	0.147	P	P	None
30	S/B	room 102, kindergarten	0.126	0.072	P	0.141	0.176	P	0.16	0.171	P	0.139	0.134	P	P	None
31	S	Kitchen south wall	0.188	0.188	P	0.21	0.24	P	0.231	0.15	P	0.203	0.151	P	P	None
32	S	Kitchen east wall, left	0.034	0.022	P	0.109	0.039	P	0.096	0.024	P	0.08	0.044	P	P	None
33	S	Kitchen east wall, middle	0.035	0.028	P	0.094	0.04	P	0.084	0.027	P	0.093	0.039	P	P	None
34	S	Kitchen east wall, right	0.115	0.029	P	0.153	0.077	P	0.129	0.034	P	0.116	0.067	P	P	None
35	S	RM 202, 3rd	0.157	0.077	P	0.196	0.165	P	0.222	0.174	P	0.236	0.116	P	P	None
36	S	RM 201, 3rd	0.082	0.057	P	0.143	0.085	P	0.153	0.077	P	0.12	0.095	P	P	None
37	B	room 108							0.416	0.232	P				P	None

Table 5. Iron Test Results

FIXTURE INFORMATION			7/27/2010		7/23/2013		8/17/2016		5/15/2020		Summary Status	
Fixture ID	Type	Location	Flush 2m	Pass/Fail	Flush 2m	Pass/Fail	Flush 2m	Pass/Fail	Flush 2m	Pass/Fail	Pass/Fail	Status
01	B	hall (west)									P	None
02	B	bottle filler									P	None
03	B	hall									P	None
04	B/S	room 208, open class									P	None
05	B/S	room 210, 4th and 5th	<0.05	P							P	None
06	B/S	room 207, 2nd			<0.05	P			<0.05	P	P	None
07	B/S	room 209, 5th					<0.05	P			P	None
08	B/S	room 206, 4th									P	None
09	B/S	room 205, 2nd									P	None
10	B/S	room 203, 2nd									P	None
11	B/S	room 104, resource									P	None
12	B/S	room 108 - teachers lounge									P	None
14	B/S	room 109									P	None
16	B/S	room 107 (library)							<0.05	P	P	None
17	S/B	room 106. 1st teacher work room	<0.05	P			0.05	P			P	None
26	S	nurse station									P	None
27	S	office sink									P	None
28	S/B	room 105, 1st									P	None
29	S/B	room 103, kindergarten							<0.05	P	P	None
30	S/B	room 102, kindergarten									P	None
31	S	Kitchen south wall	<0.05	P							P	None
32	S	Kitchen east wall, left			<0.05	P					P	None
33	S	Kitchen east wall, middle					0.085	P			P	None
34	S	Kitchen east wall, right							<0.05	P	P	None
35	S	RM 202, 3rd	<0.05	P							P	None
36	S	RM 201, 3rd			<0.05	P					P	None
37	B	room 108										

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	15-May-20	2 ppb	P
00	SE	boiler room	Cadmium	15-May-20	1 ppb	P
00	SE	boiler room	Chlorine	31-Mar-04	0.5 ppm	P
00	SE	boiler room	Copper	15-May-20	0.04 ppm	P
00	SE	boiler room	E coli	31-Mar-04	<1 Colonies	P
00	SE	boiler room	Iron	15-May-20	<0.05 ppm	P
00	SE	boiler room	Lead	15-May-20	1 ppb	P
00	SE	boiler room	Total Coliforms	27-Jul-10	<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.