

Seattle Public Schools  
Drinking Water Quality Program

Results of Water Quality Testing  
for  
Bagley Elementary

Updated October 15, 2009

**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: This school has one source that does not meet the policy criteria. A sign will be posted at room 104 (#23).

Follow-up monitoring: Will be performed in 2010.

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/B	room 103	P	None	P	None	P	None	P	None	Yes
03	B	hallway	P	None	P	None	P	None	P	None	Yes
06	B	hallway	P	None	P	None	P	None	P	None	Yes
07	B	hallway	P	None	P	None	P	None	P	None	Yes
10	B	hallway	P	None	P	None	P	None	P	None	Yes
11	B	hallway	P	None	P	None	P	None	P	None	Yes
14	B	hallway	P	None	P	None	P	None	P	None	Yes
15	B	hallway	P	None	P	None	P	None	P	None	Yes
18	B	hallway	P	None	P	None	P	None	P	None	Yes
19	B	hallway	P	None	P	None	P	None	P	None	Yes
22	S/B	nurse's office	P	None	P	None	P	None	P	None	Yes
23	S	room 104	F	PS	P	None	P	None	P	None	PS
24	S	room 103	P	None	P	None	P	None	P	None	Yes
25A	S	kitchen	P	None	P	None	P	None	P	None	Yes
25B	S	kitchen	P	None	P	None	P	None	P	None	Yes
26	S	room 105	P	None	P	None	P	None	P	None	Yes
27	S	room 100	P	None	P	None	P	None	P	None	Yes
28	S	room 203 - near lounge	P	None	P	None	P	None	P	None	Yes
29	S	door to right of 210 entry	P	None	P	None	P	None	P	None	Yes
31	S	Kitchen	P	None	P	None	P	None			Yes
43	S	Gym office	P	None	P	None	P	None			Yes

Table 2. Lead Test Results

FIXTURE INFORMATION			Initial Sampling				Follow-up Sampling 1				Follow-up Sampling 2			
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
01	S/B	room 103					8/12/2004	30	9		8/3/2005	6	4	P
03	B	hallway	5/5/2004	8	3	P								
06	B	hallway	5/5/2004	8		P								
07	B	hallway					8/12/2004	15	9		8/3/2005	14	2	
10	B	hallway	5/5/2004	20	10						8/3/2005	8	2	P
11	B	hallway	5/5/2004	6	2	P								
14	B	hallway	5/5/2004	6		P					8/3/2005		3	P
15	B	hallway	5/5/2004	5	1	P								
18	B	hallway	5/5/2004	17							8/3/2005	17	12	
19	B	hallway	5/5/2004	4	1	P								
22	S/B	nurse's office					8/12/2004	8	<1	P				
23	S	room 104	5/5/2004	9	<1	P								
24	S	room 103	5/5/2004	49	1						8/3/2005	24	5	
25A	S	kitchen					8/12/2004	1	<1	P				
25B	S	kitchen												
26	S	room 105					8/12/2004	14	1		8/3/2005	14	2	
27	S	room 100					8/12/2004	12	1		8/3/2005	17	2	
28	S	room 203 - near lounge					8/12/2004	5	2	P				
29	S	door to right of 210 entry					8/12/2004	3	<1	P				
31	S	Kitchen												
43	S	Gym office												

Table 2. Lead Test Result (Continued)

FIXTURE INFORMATION			Follow-up Sampling 3				Follow-up Sampling 4				Follow-up Sampling 5				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	Pass/Fail	Status
01	S/B	room 103					8/1/2007	<1	<1	P					P	None
03	B	hallway					8/1/2007	<1	<1	P					P	None
06	B	hallway					8/1/2007	<1	<1	P					P	None
07	B	hallway	9/21/2005	1	5	P	8/1/2007	<1	<1	P					P	None
10	B	hallway					8/1/2007	<1	<1	P					P	None
11	B	hallway					8/1/2007	<1	<1	P					P	None
14	B	hallway					8/1/2007	<1	<1	P					P	None
15	B	hallway					8/1/2007	<1	<1	P					P	None
18	B	hallway	9/21/2005	3	1	P	8/1/2007	<1	<1	P					P	None
19	B	hallway					8/1/2007	2	<1	P					P	None
22	S/B	nurse's office					8/1/2007	3	3	P					P	None
23	S	room 104					8/1/2007	4	20						F	PS
24	S	room 103	9/21/2005	12	3		8/1/2007	5	1	P					P	None
25A	S	kitchen					8/1/2007	3	<1	P					P	None
25B	S	kitchen					8/1/2007	1	<1	P					P	None
26	S	room 105	9/21/2005	9	4	P	8/1/2007	2	<1	P					P	None
27	S	room 100	9/21/2005	3	<1	P	8/1/2007	2	<1	P					P	None
28	S	room 203 - near lounge					8/1/2007	3	2	P					P	None
29	S	door to right of 210 entry					8/1/2007	3	<1	P					P	None
31	S	Kitchen					8/1/2007	2	<1	P					P	None
43	S	Gym 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			
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
01	S/B	room 103					8/12/2004	<1	<1	P	8/3/2005	<1	<1	P				
03	B	hallway	5/5/2004	<1	<1	P												
06	B	hallway	5/5/2004	<1		P									9/21/2005		<1	P
07	B	hallway					8/12/2004	<1	<1	P	8/3/2005	<1	<1	P				
10	B	hallway	5/5/2004	<1	<1	P					8/3/2005	<1	<1	P				
11	B	hallway	5/5/2004	<1	<1	P												
14	B	hallway	5/5/2004	<1		P					8/3/2005		<1	P				
15	B	hallway	5/5/2004	<1	<1	P												
18	B	hallway	5/5/2004	<1		P					8/3/2005	<1	<1	P				
19	B	hallway	5/5/2004	2	1	P												
22	S/B	nurse's office					8/12/2004	<1	<1	P								
23	S	room 104	5/5/2004	2	<1	P												
24	S	room 103	5/5/2004	<1	<1	P					8/3/2005	<1	<1	P				
25A	S	kitchen					8/12/2004	<1	<1	P								
25B	S	kitchen																
26	S	room 105					8/12/2004	<1	<1	P	8/3/2005	<1	<1	P				
27	S	room 100					8/12/2004	<1	<1	P	8/3/2005	<1	<1	P				
28	S	room 203 - near lounge					8/12/2004	3	1	P								
29	S	door to right of 210 entry					8/12/2004	3	2	P								
31	S	Kitchen																
43	S	Gym office																

Table 3. Cadmium Test Results (Continued)

FIXTURE INFORMATION			Follow-up Sampling 4				Follow-up Sampling 5				Follow-up Sampling 6				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	Pass/Fail	Status
01	S/B	room 103					8/1/2007	<1	<1	P					P	None
03	B	hallway					8/1/2007	<1	<1	P					P	None
06	B	hallway					8/1/2007	<1	<1	P					P	None
07	B	hallway					8/1/2007	<1	<1	P					P	None
10	B	hallway					8/1/2007	<1	<1	P					P	None
11	B	hallway					8/1/2007	<1	<1	P					P	None
14	B	hallway					8/1/2007	<1	<1	P					P	None
15	B	hallway					8/1/2007	<1	<1	P					P	None
18	B	hallway					8/1/2007	<1	<1	P					P	None
19	B	hallway					8/1/2007	<1	<1	P					P	None
22	S/B	nurse's office					8/1/2007	1	<1	P					P	None
23	S	room 104					8/1/2007	1	1	P					P	None
24	S	room 103					8/1/2007	<1	<1	P					P	None
25A	S	kitchen					8/1/2007	<1	<1	P					P	None
25B	S	kitchen	5/17/2006	<1	<1	P	8/1/2007	<1	<1	P					P	None
26	S	room 105					8/1/2007	<1	<1	P					P	None
27	S	room 100					8/1/2007	<1	<1	P					P	None
28	S	room 203 - near lounge					8/1/2007	3	<1	P					P	None
29	S	door to right of 210 entry					8/1/2007	2	<1	P					P	None
31	S	Kitchen					8/1/2007	3	<1	P					P	None
43	S	Gym office									9/17/2009	3	2	P	P	None

Table 4. Copper Test Results

FIXTURE INFORMATION			Initial Sampling				Follow-up Sampling 1				Follow-up Sampling 2			
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
01	S/B	room 103					8/12/2004	0.17	0.13	P	8/3/2005	0.027	0.012	P
03	B	hallway	5/5/2004	0.07	0.035	P								
06	B	hallway	5/5/2004	0.057		P					8/3/2005		0.042	P
07	B	hallway					8/12/2004	0.054		P	8/3/2005	0.048	0.013	P
10	B	hallway	5/5/2004	0.11	0.11	P					8/3/2005	0.035	0.014	P
11	B	hallway	5/5/2004	0.035	0.028	P								
14	B	hallway	5/5/2004	0.042		P					8/3/2005		0.008	P
15	B	hallway	5/5/2004	0.019	0.017	P								
18	B	hallway	5/5/2004	0.1		P					8/3/2005	0.04	0.006	P
19	B	hallway	5/5/2004	0.098		P					8/3/2005		0.005	P
22	S/B	nurse's office					8/12/2004	0.051	0.028	P	8/3/2005		0.014	P
23	S	room 104	5/5/2004	0.077		P					8/3/2005		0.25	P
24	S	room 103	5/5/2004	0.24		P					8/3/2005	0.13	0.061	P
25A	S	kitchen					8/12/2004	0.13		P	8/3/2005		0.14	P
25B	S	kitchen									8/3/2005		0.14	P
26	S	room 105					8/12/2004	0.18	0.022	P	8/3/2005	0.042	0.022	P
27	S	room 100									8/3/2005	0.062	0.04	P
28	S	room 203 - near lounge					8/12/2004	0.052	0.042	P				
29	S	door to right of 210 entry					8/12/2004	0.039	0.17	P				
31	S	Kitchen												
43	S	Gym office												

Table 4. Copper Test Results (continued) .

FIXTURE INFORMATION			Follow-up Sampling 3				Follow-up Sampling 4				Follow-up Sampling 5				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	Pass/Fail	Status
01	S/B	room 103					8/1/2007	0.007	0.002	P					P	None
03	B	hallway					8/1/2007	0.014	0.005	P					P	None
06	B	hallway	9/21/2005		0.021	P	8/1/2007	0.019	0.004	P					P	None
07	B	hallway					8/1/2007	0.022	0.009	P					P	None
10	B	hallway					8/1/2007	0.102	0.004	P					P	None
11	B	hallway					8/1/2007	0.025	0.002	P					P	None
14	B	hallway					8/1/2007	0.007	<0.002	P					P	None
15	B	hallway					8/1/2007	0.072	<0.002	P					P	None
18	B	hallway					8/1/2007	0.007	0.002	P					P	None
19	B	hallway					8/1/2007	0.004	0.002	P					P	None
22	S/B	nurse's office					8/1/2007	0.008	0.052	P					P	None
23	S	room 104					8/1/2007	0.042	0.227	P					P	None
24	S	room 103					8/1/2007	0.12	0.114	P					P	None
25A	S	kitchen					8/1/2007	0.052	0.212	P					P	None
25B	S	kitchen					8/1/2007	0.078	0.124	P					P	None
26	S	room 105					8/1/2007	0.022	0.006	P					P	None
27	S	room 100					8/1/2007	0.034	0.117	P					P	None
28	S	room 203 - near lounge					8/1/2007	0.036	0.033	P					P	None
29	S	door to right of 210 entry					8/1/2007	0.055	0.136	P					P	None
31	S	Kitchen					8/1/2007	0.073	0.154	P					P	None
43	S	Gym office									9/17/2009	0.013	0.01	P	P	None

Table 5. Iron Test Results

Test Results (Iron/Fe, ppm)																				
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	S/B	room 103									8/3/2005		0.09	P					P	None
03	B	hallway									8/3/2005		0.09	P					P	None
06	B	hallway									8/3/2005		0.09	P					P	None
07	B	hallway									8/3/2005		0.08	P					P	None
10	B	hallway									8/3/2005		0.08	P					P	None
11	B	hallway									8/3/2005		0.12	P					P	None
14	B	hallway									8/3/2005		0.11	P					P	None
15	B	hallway									8/3/2005		0.09	P					P	None
18	B	hallway									8/3/2005		0.16	P					P	None
19	B	hallway	5/5/2004	0.24	0.23	P					8/3/2005		0.08	P					P	None
22	S/B	nurse's office									8/3/2005		0.1	P					P	None
23	S	room 104	5/5/2004	0.24	0.08	P					8/3/2005		0.32	P					P	None
24	S	room 103	5/5/2004	0.45	0.14	P					8/3/2005		0.09	P					P	None
25A	S	kitchen					8/12/2004	0.5		P	8/3/2005		0.09	P					P	None
25B	S	kitchen									8/3/2005		0.1	P					P	None
26	S	room 105									8/3/2005		0.05	P					P	None
27	S	room 100									8/3/2005		0.07	P					P	None
28	S	room 203 - near lounge									8/3/2005		0.08	P					P	None
29	S	door to right of 210 entry													9/21/2005		0.086	P	P	None
31	S	Kitchen																		Sample
43	S	Gym office																		Sample

Table 6. Service Entry Test Results

<b>Test Results (Service Entry/SE, Units as Shown)</b>						
<b>SOURCE INFORMATION</b>			<b><i>Most Recent Sampling</i></b>			
Fixture ID	Type	Location	Item	Sampled	Max Value	Pass/Fail
00	SE	service tunnel	Arsenic	5/17/2006	2 ppb	P
00	SE	service tunnel	Cadmium	8/1/2007	2 ppb	P
00	SE	service tunnel	Copper	8/1/2007	0.249 ppm	P
00	SE	service tunnel	E coli	5/5/2004	<1 Colonies	P
00	SE	service tunnel	Iron	5/5/2004	0.21 ppm	P
00	SE	service tunnel	Lead	8/1/2007	5 ppb	P
00	SE	service tunnel	Total Coliforms	5/5/2004	<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.