

Results of Water Quality Testing
for
North Queen Anne

Revised April 22, 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.

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:

All sources meet the policy criteria.

Follow-up monitoring: Will be performed in 2021-2022.

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 didsabled,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

CURRENT STATUS											
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	KITCHEN, LEFT	P	None	P	None	P	None	P	None	Yes
02	S	KITCHEN, MIDDLE	P	None	P	None	P	None	P	None	Yes
03	S	KITCHEN, RIGHT	P	None	P	None	P	None	P	None	Yes
04	S	WORK ROOM, 105	P	None	P	None	P	None	P	None	Yes
05	S	ROOM 137, LEFT	P	None	P	None	P	None	P	None	Yes
06	S	ROOM 137, RIGHT	P	None	P	None	P	None	P	None	Yes
07	S	ROOM 139, LEFT	P	None	P	None	P	None			Yes
08	S	ROOM 139, RIGHT	P	None	P	None	P	None	P	None	Yes
09	B	hallway, left	P	None	P	None	P	None	P	None	Yes
10	B	hallway, right	P	None	P	None	P	None	P	None	Yes
11	S	nurse office	P	None	P	None	P	None	P	None	Yes

Table 2. Lead Test Results

Test Results (Lead/Pb, ppb)																	
FIXTURE INFORMATION			2/24/2015			9/4/2015			9/15/2015			3/21/2019				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	Flush 2m	Pass/Fail	Pass/Fail	Status
01	S	KITCHEN, LEFT	<1	<1	P							<1	<1		P	P	None
02	S	KITCHEN, MIDDLE	<1	<1	P							<1	<1		P	P	None
03	S	KITCHEN, RIGHT	<1	<1	P							<1	<1		P	P	None
04	S	WORK ROOM, 105	13	2					<1	<1	P	<1		<1	P	P	None
05	S	ROOM 137, LEFT	2	<1	P							1	<1		P	P	None
06	S	ROOM 137, RIGHT				<1	<1	P				<1	<1		P	P	None
07	S	ROOM 139, LEFT				<1	<1	P								P	None
08	S	ROOM 139, RIGHT	4	<1	P							<1	<1		P	P	None
09	B	hallway, left				<1	<1	P				<1	<1		P	P	None
10	B	hallway, right				<1	<1	P				<1	<1		P	P	None
11	S	nurse office				<1	<1	P				<1	<1		P	P	None

Table 3. Cadmium Test Results

Test Results (Cadmium/Cd, ppb)														
FIXTURE INFORMATION			2/24/2015			9/4/2015			3/21/2019				Summary Status	
Fixture ID	Type	Location	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Flush 2m	Pass/Fail	Pass/Fail	Status
01	S	KITCHEN, LEFT	<1	<1	P				<1	<1		P	P	None
02	S	KITCHEN, MIDDLE	<1	<1	P				<1	<1		P	P	None
03	S	KITCHEN, RIGHT	<1	<1	P				<1	<1		P	P	None
04	S	WORK ROOM, 105	<1	<1	P				<1		<1	P	P	None
05	S	ROOM 137, LEFT	<1	<1	P				<1	<1		P	P	None
06	S	ROOM 137, RIGHT				<1	<1	P	<1	<1		P	P	None
07	S	ROOM 139, LEFT				<1	<1	P					P	None
08	S	ROOM 139, RIGHT	<1	<1	P				<1	<1		P	P	None
09	B	hallway, left				<1	<1	P	<1	<1		P	P	None
10	B	hallway, right				<1	<1	P	<1	<1		P	P	None
11	S	nurse office				<1	<1	P	<1	<1		P	P	None

Table 4. Copper Test Results

Test Results (Copper/Cu, ppm)														
FIXTURE INFORMATION			2/24/2015			9/4/2015			3/21/2019				Summary Status	
Fixture ID	Type	Location	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Flush 2m	Pass/Fail	Pass/Fail	Status
01	S	KITCHEN, LEFT	0.188	0.005	P				0.157	0.227		P	P	None
02	S	KITCHEN, MIDDLE	0.161	0.005	P				0.202	0.246		P	P	None
03	S	KITCHEN, RIGHT	0.072	0.004	P				0.205	0.2		P	P	None
04	S	WORK ROOM, 105	0.328	0.307	P				0.214		0.209	P	P	None
05	S	ROOM 137, LEFT	0.198	0.314	P				0.295	0.348		P	P	None
06	S	ROOM 137, RIGHT				0.069	0.049	P	0.211	0.183		P	P	None
07	S	ROOM 139, LEFT				0.055	0.049	P					P	None
08	S	ROOM 139, RIGHT	0.205	0.287	P				0.32	0.386		P	P	None
09	B	hallway, left				0.244	0.195	P	0.231	0.188		P	P	None
10	B	hallway, right				0.222	0.189	P	0.207	0.21		P	P	None
11	S	nurse office				0.192	0.186	P	0.217	0.284		P	P	None

Table 5. Iron Test Results

Test Results (Iron/Fe, ppm)								
FIXTURE INFORMATION			2/24/2015		3/21/2019		Summary Status	
Fixture ID	Type	Location	Flush 2m	Pass/Fail	Flush 2m	Pass/Fail	Pass/Fail	Status
01	S	KITCHEN, LEFT			<0.05	P	P	None
02	S	KITCHEN, MIDDLE	<0.05	P	0.051	P	P	None
03	S	KITCHEN, RIGHT			<0.05	P	P	None
04	S	WORK ROOM, 105			<0.05	P	P	None
05	S	ROOM 137, LEFT			0.109	P	P	None
06	S	ROOM 137, RIGHT			0.073	P	P	None
07	S	ROOM 139, LEFT						
08	S	ROOM 139, RIGHT	0.05	P	<0.05	P	P	None
09	B	hallway, left			<0.05	P	P	None
10	B	hallway, right			<0.05	P	P	None
11	S	nurse office			<0.05	P	P	None

Table 6. Service Entry Test Results

Test Results (Service Entry/SE, Units as Shown)						
SOURCE INFORMATION			<i>Most Recent Sampling</i>			
Fixture ID	Type	Location	Item	Sampled	Max Value	Pass/Fail
00	SE	Boiler room	Arsenic	24-Feb-15	2 ppb	P
00	SE	Boiler room	Cadmium	21-Mar-19	1 ppb	P
00	SE	Boiler room	Copper	21-Mar-19	0.236 ppm	P
00	SE	Boiler room	Iron	21-Mar-19	<0.05 ppm	P
00	SE	Boiler room	Lead	21-Mar-19	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.