



### Remediation Plan Recommendations

**For test points at or above 5 pbb lead content, per §160.077, secure water and discontinue use until remediated unless testing proves that flushing will provide water below 5ppb.**

Outlets listed on the below table that are highlighted in yellow tested above 5ppb on the initial test.

All that are highlighted in **red** did not pass the flush test. This is indicative of supply line problems causing lead to be leached into the water supply. Options for remediation include a filtration unit at the inlet of the fountain units and/or replace supply line with an approved material (PEX or Copper) tied into a known good source and either a systemic clean and flush of the unit while removed or replace with new unit.

Outlets highlighted in **green** all passed flush testing. This indicates that the faucets need to be replaced or removed from service. Until remediation can be completed, the EPA allows for the practice of flushing the fixtures at the beginning of the day for 3-5 minutes prior to use for outlets that pass flush testing. These outlets must have signage “Flush 3-5 minutes per day prior to use”. This allows for continued use until remediated but is not acceptable as a stand-alone remediation.

Some options for remediation include permanent signage stating that the outlet is “Non-Potable For Hand Washing Only”, removal or replacement of the unit, or installation of point of use filtration (PUR, Brita, and Aquasana) are some examples they just need to have lead reducing filters, usually NSF/ANSI standard 42/53 filters as recommended by the EPA-NOTE- this method was shown to significantly reduce the lead levels in Flint Mi.

Those sinks that have aerators should be checked to ascertain if the aerators are dirty, have scale build up, calcification or other blockages that could be trapping contaminants. If any are noted, then it may be worthwhile to clean or replace the aerators and retest after a thorough flush.

The most common cause for faucets failing testing is corrosion and/or clogged aerators. Corrosivity is a function of low pH, low alkalinity, higher temperatures, and high specific conductivity. Additionally, older faucets may have been manufactured before the lead/copper rule as explained in 40 CFR subpart 141.

If you desire further health information, you can contact your county health department:

#### **Howell County Health Department**

[howellcountyhealth.com](http://howellcountyhealth.com) [180 Kentucky Ave, West Plains, MO](https://www.google.com/maps/place/180+Kentucky+Ave,+West+Plains,+MO) [\(417\) 256-7078](tel:4172567078)

**Recommendations: SEE BELOW**



Initial	Flush	Location	Recommendation
10.6	ND	BIRCH TREE ELM ROOM 116-ART-HAND SINK	(1) Replace faucet or, (2) Inspect aerators and clean or replace if necessary and retest or, (3) Remove and cap or (4) install point of use or in-line filters as applicable.
7.75	ND	BTE-ROOM 115 TITLE HAND SINK	
7.02	ND	BTE KITCHEN HAND DISH SINK ON LEFT	
11.4	ND	BTE PRINCIPAL OFFICE RESTROOM SINK	
7.11	ND	BTE ROOM 106 PRE-K HAND SINK	
8.51	ND	BTE ROOM 107 HAND SINK	
5	ND	BTE ROOM 111 HAND SINK	
6.83	ND	BTE ROOM 112 HAND SINK	
13.2	2.87	BTE KITCHEN HAND SCULLERY SPRAYER	(1) Replace sprayer with lead free model
24.5	NOT WORKING	MTVE-ROOM 1 HAND SINK	All were reported as being taken out of commission
9.31	NOT WORKING	MTVE-ROOM 1 HAND SINK FOUNTAIN	
96.4	NOT WORKING	MTVE-NURSE-HAND SINK ON LEFT	
85.9	NOT WORKING	MTVE-NURSE FOUNTAIN	
17.8	NOT WORKING	MTVE-ROOM 4 HAND SINK	
8.09	NOT WORKING	MTVE-ROOM 9 HAND SINK	
7.09	NOT WORKING	MTVE-SPED-BAYLESS-HAND SINK	
5.06	ND	M.S. KITCHEN-HAND SINK ON LEFT	
5.29	ND	M.S. OFFICE-RESTROOM FAUCET	
10	ND	M.S. ROOM 107-SCIENCE-HAND SINK #3	
15.3	ND	M.S. ROOM 107-SCIENCE-HAND SINK #4	
8.57	ND	M.S. ROOM 107-SCIENCE-HAND SINK #5	
10.4	ND	M.S. ROOM 107-SCIENCE-HAND SINK #6	
9.05	ND	M.S. ROOM 107-SCIENCE-HAND SINK #7	
13.7	ND	M.S. ROOM 107-SCIENCE-HAND SINK #8	
9.73	ND	M.S. ROOM 107-SCIENCE-HAND SINK #9	
7.35	ND	M.S. ROOM 107-SCIENCE-HAND SINK #10	
42	ND	M.S. ROOM 107-SCIENCE-HAND SINK #11	
18.4	ND	M.S. ROOM 107-SCIENCE-HAND SINK #12	
5.09	ND	M.S. BOYS LOCKER FOUNTAIN	
17.5	ND	M.S. ROOM 207-SCIENCE-HAND SINK #2	
13.8	ND	M.S. ROOM 207-SCIENCE-HAND SINK #3	
10.3	ND	M.S. ROOM 207-SCIENCE-HAND SINK #4	
10.8	ND	M.S. ROOM 207-SCIENCE-HAND SINK #5	
15.3	ND	M.S. ROOM 207-SCIENCE-HAND SINK #6	
9.67	ND	M.S. ROOM 207-SCIENCE-HAND SINK #7	



8.58	ND	M.S. ROOM 207-SCIENCE-HAND SINK #8	
10.7	ND	M.S. ROOM 207-SCIENCE-HAND SINK #9	
28	ND	M.S. ROOM 207-SCIENCE-HAND SINK #10	
22.1	ND	M.S. ROOM 207-SCIENCE-HAND SINK #11	
26.7	ND	M.S. ROOM 207-SCIENCE-HAND SINK #12	
20.1	ND	M.S. ROOM 207-SCIENCE-HAND SINK #13	
8.12	ND	M.S. ROOM 307 SCIENCE HAND SINK #2	
8.13	ND	M.S. ROOM 307 SCIENCE HAND SINK #3	
9.08	ND	M.S. ROOM 307 SCIENCE HAND SINK #4	
8.31	ND	M.S. ROOM 307 SCIENCE HAND SINK #5	
11.3	ND	M.S. ROOM 307 SCIENCE HAND SINK #6	
8.9	ND	M.S. ROOM 307 SCIENCE HAND SINK #7	
9.29	ND	M.S. ROOM 307 SCIENCE HAND SINK #8	
11.6	ND	M.S. ROOM 307 SCIENCE HAND SINK #9	
7.59	ND	M.S. ROOM 307 SCIENCE HAND SINK #10	
9.4	ND	M.S. ROOM 307 SCIENCE HAND SINK #11	
18.5	ND	M.S. ROOM 307 SCIENCE HAND SINK #12	
16.7	ND	M.S. ROOM 307 SCIENCE HAND SINK #13	
24.7	ND	M.S. ROOM 302 HAND SINK ON RIGHT	
10.3	1.45	MVHS- GIRLS DRESSING HAND SINK ON RIGHT	
9.67	2.74	MVHS- GIRLS DRESSING HAND SINK ON MIDDLE	
7.43	2.39	MVHS- GIRLS DRESSING HAND SINK ON LEFT	
8.24	1.4	MVHS- GIRLS COACH HAND SINK	
7.96	2.92	MVHS- BOYS DRESSING HAND SINK ON RIGHT	
9.24	2.27	MVHS- BOYS DRESSING HAND SINK MIDDLE	
8.95	1.63	MVHS-BOYS COACH HAND SINK	
11.7	NOT WORKING	MVHS-BOYS LOCKER HALL FOUNTAIN	(1) Install in-line filter and retest or, (2) remove and cap
5.23	ND	MVHS-KITCHEN SCULLERY SPRAYER	(1) Replace sprayer with lead free model
10.1	ND	MVHS-KITCHEN DISH SINK ON RIGHT	(1) Install point of use filter or, (2) Replace unit
5.36	NOT WORKING	MVHS-CAFETERIA WATER DISPENSER	(1) Install in-line filter and retest or, (2) remove and cap
19.2	ND	MVHS-ROOM 7 ALSUP-HAND SINK	
17.1	3.08	MVHS-ROOM 8 HOLTER-HAND SINK #1	(1) Replace faucet or, (2) Inspect aerators and clean or replace if necessary and retest or, (3) Remove and cap or (4) install point of use or in-line filters as applicable.
8.61	6.99	MVHS-ROOM 8 HOLTER-HAND SINK #2	
15.1	20.5	MVHS-ROOM 8 HOLTER-HAND SINK #4	
11.8	5.04	MVHS-ROOM 8 HOLTER-HAND SINK #6	
13.3	9.43	MVHS-ROOM 8 HOLTER-HAND SINK #7	
5.83	5.97	MVHS-ROOM 18 FACS FOOD PREP SINK #1	
9.13	3.11	MVHS-ROOM 18 FACS FOOD PREP SINK #2	(1) Install point of use filter or, (2) Replace unit



24.6	ND	MVHS-ROOM 18 FACS FOOD PREP SINK #3	
16.9	ND	MVHS-ROOM 18 FACS FOOD PREP SINK #4	
21.7	ND	MVHS-ROOM 18 FACS FOOD PREP SINK #5	
8.39	3.25	MVHS-ROOM 18 FACS FOOD PREP SINK #1-SPRAYER	(1) Remove and thoroughly clean and flush with vinegar or other food safe cleaner to remove hard water scale or, (2) Replace unit or, (3) remove from service.
18.1	3.29	MVHS-ROOM 18 FACS FOOD PREP SINK #2-SPRAYER	
12.9	4.68	MVHS-ROOM 18 FACS FOOD PREP SINK #4-SPRAYER	
11.7	ND	MVHS-ROOM 18 FACS FOOD PREP SINK #5-SPRAYER	
5.8	7.89	MVHS-ROOM 17 HALL FOUNTAIN	(1) Install in-line filter and retest or, (2) remove and cap
9.73	ND	MVHS-ROOM 19 HAND SINK RIGHT	(1) Replace faucet or, (2) Inspect aerators and clean or replace if necessary and retest or, (3) Remove and cap or (4) install point of use or in-line filters as applicable.
8.91	ND	MVHS-ROOM 19 HAND SINK LEFT	
138	4.85	MVHS-ROOM 25-ISS-RR SINK ON LEFT	
53.7	ND	MVHS-ROOM 26 HAND SINK	
6.01	ND	MVHS-ROOM 28 HAND SINK	
13.9	1.04	MVHS-ROOM 9 WILHELM HAND SINK	
16.6	2.26	MVHS-MEETING ROOM HAND SINK	
7.6	1.67	MVHS-MEETING BOYS RESTROOM SINK	
17.5	1.27	MVHS-LIBRARY FOOD PREP SINK	(1) Install point of use filter or, (2) Replace unit
8.8	2.57	MVHS-LIBRARY HALL FOUNTAIN ON RIGHT	(1) Install in-line filter and retest or, (2) remove and cap
8.32	2.83	MVHS-LIBRARY HALL FOUNTAIN MIDDLE	
5.16	1.85	MVHS-LIBRARY HALL FOUNTAIN ON LEFT	
11.6	2.29	MVHS-OLD ATHLETIC DIR. SHOWER	(1) Install filtered shower head or, remove and cap