

POST-FIXTURE REPLACEMENT SAMPLING RESULTS REPORT

Women's Center of Flint



October 6, 2016

INTRODUCTION

During the month of April, 2016, the Department of Licensing and Regulatory Affairs (DLARA) completed replacement of the drinking water fixture at the Women's Center of Flint. This fixture replacement was required because testing results indicated that the older fixtures at most schools were imparting lead to the drinking water. After the fixture was replaced, a more thorough flushing of the plumbing lines was completed to remove any remaining material from the building's water supply system.

On Tuesday, July 12th, 2016, the Department of Environmental Quality conducted a post-fixture sampling assessment of the plumbing system at the facility.

SAMPLING METHODS

Fixture Sampling

There is one drinking water fixture that was identified at the facility. After a minimum six-hour stagnation period, four samples were collected at the fixture. Two initial samples were collected immediately after turning on the tap. The water was then flushed for 30 seconds and a third sample was collected. Finally, the water was flushed for another two minutes, and the fourth sample was collected. These samples were used to determine the impact of any lead sources in and around the specific fixture and its connecting plumbing.

Deep Plumbing Sampling

A different sampling method is used to determine the impact of any lead sources located deep in the supply plumbing of the building. During this method, ten bottles are collected in a row (consecutively). These bottles are one liter in size, which is larger than those used for the fixture sampling method.

Sampling Notes

- Four samples from one fixture were collected and sent to the lab for analysis.
- Ten samples from the fixture were collected and sent to the lab for analysis for deeper plumbing assessment.

SAMPLING RESULTS

Post-Fixture Replacement

July 12, 2016

Of the 14 samples:

- Lead Range: Non-Detected (ND) to 2 parts per billion (ppb)
- Copper Range: ND to 70 ppb

** Where the result is non-detected for lead it means that the amount of lead in the water was less than 1 ppb.*

** Where the result is non-detected for copper it means that the amount of copper in the water was less than 50 ppb.*

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July 12, 2016

Lead	Result (ppb)	Sample Description	Site Code	Copper	Result (ppb)
Lead	ND	01KC001 BREAK ROOM SINK	P1	Copper	60
Lead	ND	01KC001 BREAK ROOM SINK	P2	Copper	60
Lead	ND	01KC001 BREAK ROOM SINK	F01	Copper	70
Lead	ND	01KC001 BREAK ROOM SINK	F02	Copper	60
Lead	ND	01KC001 BREAK ROOM SINK	CA1	Copper	60
Lead	ND	01KC001 BREAK ROOM SINK	CA2	Copper	60
Lead	2	01KC001 BREAK ROOM SINK	CA3	Copper	60
Lead	2	01KC001 BREAK ROOM SINK	CA4	Copper	60
Lead	1	01KC001 BREAK ROOM SINK	CA5	Copper	60
Lead	1	01KC001 BREAK ROOM SINK	CA6	Copper	ND
Lead	ND	01KC001 BREAK ROOM SINK	CA7	Copper	ND
Lead	ND	01KC001 BREAK ROOM SINK	CA8	Copper	ND
Lead	ND	01KC001 BREAK ROOM SINK	CA9	Copper	ND
Lead	ND	01KC001 BREAK ROOM SINK	CA10	Copper	ND

Non-detected (ND) means; for lead the amount in water is less than 1 pbb,
and for copper the amount in water is less than 50 pbb.