

# ADULT FOSTER & HEALTHCARE FOLLOW-UP SAMPLING REPORT



## INTRODUCTION

During the months of November and December 2017, the Department of Licensing and Regulatory Affairs (DLARA) flushed the plumbing lines at each adult foster home and long-term healthcare facilities in Flint. The Department of Environmental Quality (DEQ) sampled each facility.

Follow-up samples were taken at points where lead levels exceeded 15 parts per billion (ppb) and/or copper levels exceeded 1,300 ppb.

Resampled fixtures included:

- Heartland Health Care, fixture 01BF018 in Room 209-211.
- New Beginning AFC, fixture 03BF008 on the 3<sup>rd</sup> Floor.

## SAMPLING METHOD

### Fixture Sampling

Fixtures were flushed the night before the sampling. After a minimum six-hour stagnation period, samples were collected at each of the fixtures. The samples were collected in a 250 milliliter (mL) bottle immediately after turning on the cold water tap.

### Deep Plumbing Sampling

Each fixture was also sampled to evaluate the deep plumbing. This consecutive sampling method is used to determine the impact of any lead sources located deeper in the supply plumbing of the building. During this method, ten bottles are collected in a row. These bottles are one liter (L) in size.

## RESULTS AND NOTES

When reviewing the lab sample results, the sample description will contain letters to indicate the fixture type. Specifically, kitchen faucets have “KC” in the name, restroom faucets are noted “BF,” and Nurses Stations are “NS.” Samples from these fixtures are non-filtered water, unless otherwise indicated in sample notes. Alternatively, water coolers are noted “WC” and drinking water bubblers are noted “DW.” Both water coolers and bubblers

have inline filters installed, so the samples are of filtered water, unless otherwise noted. Please also note that the fixture type is not necessarily indicative of its actual purpose. It is used to categorize the type of fixture. Not Detected (ND) means; for lead the amount in water is less than 1 ppb, and for copper the amount in water is less than 50 ppb.

Sample results can be found online at [www.michigan.gov/flintwater](http://www.michigan.gov/flintwater), select “Testing Results” and “Establishment Testing.”

### Heartland Health Care

November 17, 2017

Of the sixty-one (61) samples:

- One sample exceeded 15 ppb for lead.  
Lead Range: ND to 19 ppb
- No sample exceeded 1,300 ppb for copper.  
Copper Range: ND to 260 ppb

Field Notes:

The exceedance was fixture 01BF018 in Room 209-211.

January 24, 2018, Follow-Up Sampling

Fixture 01BF018 sample:

The sample was ND for lead.

The sample was ND for copper.

Deeper Plumbing Samples, of the ten (10) samples:

- All samples were ND for lead.  
Lead Range: ND to ND
- All samples were ND for copper.  
Copper Range: ND to ND

## New Beginnings

November 20, 2017

Of the nine (9) samples:

- One sample exceeded 15 ppb for lead.  
Lead Range: ND to 25 ppb
- No sample exceeded 1,300 ppb for copper.  
Copper Range: ND to 160 ppb

Field Notes:

The exceedance was fixture 03BF008 on the 3<sup>rd</sup> Floor. During sampling, facility staff mentioned that the 3<sup>rd</sup> floor is vacant.

February 5, 2018, Follow-Up Sampling

Fixture 03BF008 sample:

The sample was ND for lead.

The sample was 80 ppb for copper.

Deeper Plumbing Samples, of the ten (10) samples:

- All samples were ND for lead.  
Lead Range: ND to ND
- All samples were ND for copper.  
Copper Range: ND to ND