



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



C. HEIDI GREETHER
DIRECTOR

February 16, 2018

VIA E-MAIL

The Honorable Karen Williams Weaver
Mayor of Flint
1101 South Saginaw Street
Flint, Michigan 48502

WSSN: 02310
City of Flint

Dear Mayor Weaver:

SUBJECT: City of Flint
Lead and Copper Monitoring of Drinking Water Taps

We are pleased to report that the city of Flint (City) is below the Action Levels (AL) for lead and copper during the most recent round of lead and copper monitoring of drinking water taps from July 1, 2017, to December 31, 2017, as summarized below:

Contaminant	AL	MCLG *	90 th Percentile Value	Number of Samples Above AL	Typical Source of Contaminant
Lead	15 parts per billion (ppb)	0	6 ppb	8	Corrosion of household plumbing systems; service lines that may contain lead; Erosion of natural deposits
Copper	1,300 ppb	1,300	90 ppb	1	Corrosion of household plumbing systems; Erosion of natural deposit

*MCLG: Maximum contaminant level goal means the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Sample Reporting and 90th Percentile Calculation

The Michigan Department of Environmental Quality (MDEQ) received your Lead and Copper Report form on January 10, 2018. Included with the form were results of samples collected during the July 1, 2017, to December 31, 2017, monitoring period from sites verified as meeting Tier 1 criteria, meaning they were collected from residential sites confirmed as having lead service lines or copper plumbing with lead solder installed between 1983 and 1988. After exclusion of some sample results due to

invalidation under the Lead and Copper Rule (LCR), the remaining 134 verified sample results were used to calculate the 90th percentile value.

Continue Corrosion Control Treatment

The City must continue corrosion control treatment and continue to maintain water quality parameter levels to reduce the amount of lead and copper leaching into the drinking water. The City must also continue monitoring its corrosion control treatment on a daily basis to ensure proper operation is maintained. In addition, the City must continue monitoring water quality throughout the distribution system to demonstrate the effectiveness of the City's corrosion control treatment. Finally, the City has a contract to develop a Distribution System Optimization Plan. When the Plan is complete, additional, long-term measures may be required to provide optimal corrosion control treatment.

Lead Service Line Replacement

Because your water supply has been at or below the lead action level for two or more consecutive six-month monitoring periods, you are not required to continue LSL replacement. The MDEQ fully supports the City's intention to continue voluntary LSL replacement efforts.

Conduct Water Quality Parameter (WQP) Monitoring

Continue to conduct WQP monitoring and meet the WQP levels for pH and orthophosphate residuals as required by the October 30, 2015, and December 13, 2017, correspondence from this department.

Lead and Copper Tap Monitoring

Your next round of lead and copper tap monitoring must be conducted **between January 1, 2018, and June 30, 2018**. You are required to collect a minimum of 60 tap samples from Tier 1 sample locations. Half of the minimum number of samples must be collected during the months of May and June 2018. Select the same sites used in previous monitoring periods unless sites no longer meet Tier 1 criteria. If a site no longer meets Tier 1 criteria, it must be replaced by another confirmed Tier 1 site, if needed, to maintain the required number of sites. Documentation explaining the reason for any changes in sampling sites must be provided to the MDEQ.

Consumer Confidence Report (CCR)

Results of 2017 compliance monitoring must be included in your CCR, which is due to our office, your customers, and the local health department by **July 1, 2018**. However, we encourage the City to provide this CCR to residents as soon as practical. You may use the table format from page 1 of this letter. For additional information on CCR requirements, visit the MDEQ web site at www.michigan.gov/drinkingwater. Click on Community Water Supply Home Page and then the Consumer Confidence Report Rule link under Laws and Rules.

Summary of Upcoming Requirements

Complete By	Requirement	Comments
Ongoing	Collect WQP samples.	Continue to collect required WQP samples.
Between January 1 and June 30, 2018	Collect at least 60 samples from Tier 1 sites within the distribution system and have them analyzed for lead and copper.	Report the results to the MDEQ and deliver the customer notice of individual lead results using the downloadable <i>Lead and Copper Report and Consumer Notice of Lead Result Certificate</i> .
July 1, 2018	Report 2017 90 th percentile values in the CCR.	Specific lead health effects language must be included.

Thank you for your prompt attention to this matter. We will continue to offer assistance in implementing these regulations. If you have questions, please contact me at 517-284-6544; oswalde1@michigan.gov; or DEQ, DWMAD, P.O. Box 30817, Lansing, Michigan 48909-8311.

Sincerely,



Eric Oswald, Director
Drinking Water and Municipal Assistance Division
517-284-6544

cc: Mr. Christopher Korleski, Director, Water Division, EPA, Region 5
Mr. Robert Bincsik, City of Flint
Mr. Richard Baird, Governor's Office
Mr. Keith Creagh, Director, Michigan Department of Natural Resources
Ms. C. Heidi Grether, Director, MDEQ
Mr. Michael McClellan, Environment Deputy Director, MDEQ
Mr. Richard Benzie, MDEQ
Mr. George Krisztian, MDEQ