VIA E-MAIL

The Honorable Sheldon A. Neeley  
Mayor of Flint  
1101 South Saginaw Street  
Flint, Michigan 48502

Dear Mayor Neeley:

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

After review by the Michigan Department of Environment, Great Lakes, and Energy (EGLE) of the documentation that has been submitted by the city of Flint (City) for the most recent round of lead and copper monitoring of drinking water taps from January 1, 2020, to June 30, 2020, it has been determined the City is below the Action Levels (AL) as summarized below:

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>AL</th>
<th>MCLG*</th>
<th>90th Percentile Value</th>
<th>Number of Samples Above AL</th>
<th>Range of Individual Results</th>
<th>Typical Source of Contaminant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead</td>
<td>15 parts per billion (ppb)</td>
<td>0</td>
<td>4 ppb</td>
<td>2</td>
<td>0-41 ppb</td>
<td>Corrosion of household plumbing systems; service lines that may contain lead; Erosion of natural deposits</td>
</tr>
<tr>
<td>Copper</td>
<td>1,300 ppb</td>
<td>1,300</td>
<td>80 ppb</td>
<td>0</td>
<td>0-310 ppb</td>
<td>Corrosion of household plumbing systems; Erosion of natural deposit</td>
</tr>
</tbody>
</table>

*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
EGLE received your Lead and Copper Report form on August 28, 2020. Included with
the form were the results of the samples collected from 116 unique sites (120 sample
sets total) during the January 1, 2020, to June 30, 2020, monitoring period. After the
exclusion of 71 sample sets due to invalidation under the Lead and Copper Rule (LCR),
the remaining 49 verified Tier 1 and Tier 2 sites were used to calculate the 90th
percentile value of 4 ppb for lead.

While this number of 49 sites falls short of the requisite number of 60 needed for
compliance, we recognize the challenges the City faced in dealing with the Covid-19
global pandemic while trying to meet the requirements. Information regarding this
monitoring violation are detailed under separate cover.

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.

Continue Lead Service Line Replacement
To remain in compliance with the terms of the Concerned Pastors for Social Action
Settlement Agreement (Settlement Agreement), we continue to support the City’s
intentions of continuing to locate and replace lead service lines throughout the city.

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, December 13, 2017,
and June 6, 2019, correspondence from this department. Also, continue to submit to
EGLE the Weekly Enhanced Water Quality Parameters.

Lead and Copper Tap Monitoring
Your next round of lead and copper tap monitoring must be conducted between July 1,
2020, and December 31, 2020. You are required to collect a minimum of two (2) (a 1st
and 5th liter) tap samples per site, from 60 Tier 1 sites (120 total samples). In
accordance with Paragraph 49 of the Settlement Agreement, half of the minimum
number of samples (60), or 30 individual sites, must be sampled during the months of
July and August 2020. 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, or Tier 2 site if Tier 1 sites are not
available, to maintain the required number of sites. Written documentation explaining the reason for any changes in sampling sites, including the service line material composition, must be provided to EGLE. An updated version of your sampling plan should be submitted to EGLE during each six-month monitoring period.

**New Michigan Lead and Copper Rule Revisions**

**Consumer Confidence Report (CCR)**
Results of 2020 compliance monitoring must be included in your CCR, which is due to our office, your customers, and the local health department by **July 1, 2021**. 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 EGLE’s web site at [www.michigan.gov/drinkingwater](http://www.michigan.gov/drinkingwater). Click on the Community Water Supply Home Page and then the Consumer Confidence Report Rule link under Laws and Rules.

**Summary of Upcoming Requirements**

<table>
<thead>
<tr>
<th>Complete By</th>
<th>Requirement</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ongoing</td>
<td>Collect WQP samples.</td>
<td>Continue to collect required WQP samples.</td>
</tr>
<tr>
<td>September 30, 2020</td>
<td>For the January 1-June 30, 2020 monitoring period, send EGLE a signed copy of the <em>Consumer Notice of Lead and Copper Results Certificate</em>. Download <em>Consumer Notice of Lead and Copper Results Certificate</em> in word or PDF format from <a href="http://www.michigan.gov/LCR">www.Michigan.gov/LCR</a>.</td>
<td></td>
</tr>
<tr>
<td>July 1, 2021</td>
<td>Report 2020 90th percentile values in the CCR.</td>
<td>Specific lead health effects language must be included.</td>
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</table>
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 EGLE, Drinking Water and Environmental Health Division, P.O. Box 30817, Lansing, Michigan 48909-8311.

Sincerely,

Eric J. Oswald, Director
Drinking Water and Environmental Health Division

cc: Mr. Michael D. Harris, Acting Director, Enforcement and Compliance Assurance Division, United States Environmental Protection Agency (USEPA), Region 5
Ms. Elizabeth Murphy, USEPA, Region 5
Ms. Sarah Tallman, Natural Resources Defense Council
Mr. Clyde Edwards, City Administrator, City of Flint
Ms. Angela Wheeler, City Attorney, City of Flint
Mr. Blair Selover, Manager, F&V Operations, Contractor for City of Flint
Mr. Richard Kuhl, Michigan Department of Attorney General
Ms. Liesl Eichler Clark, Director, EGLE
Mr. Aaron B. Keatley, Chief Deputy Director, EGLE
Ms. Amy Epkey, Senior Deputy Director, EGLE
Mr. George L. Krisztian, EGLE