

**Summary of Michigan Department of Environmental Quality Actions
In Response to the
United States Environmental Protection Agency Emergency Administrative Order
Updated: 12/18/2017**

EXECUTIVE SUMMARY:

The United State Environmental Protection Agency (EPA) Emergency Administrative Order contains 15 overall items to be addressed by the Michigan Department of Environmental Quality (MDEQ). This update includes status only on items for which progress was made in the last week. It is anticipated that the next update to this summary will be provided on Thursday, December 21, 2017.

DETAILED INFORMATION:

Paragraphs 51 and 62: Develop and implement a distribution system optimization plan

- On 12/13/2017, Arcadis stated that they were addressing comments from the city of Flint (City) on the first sets of Standard Operating Procedures (SOPs); the third set will be in development shortly and pending completion of related modeling.
- On 12/13/2017, Arcadis also reported that they had reviewed the Rehabilitation and Replacement schedule as part of the asset management planning effort and they intend to submit to the MDEQ by the end of the year.

Paragraph 54: Inventory of homes with lead service lines.

- As of 12/18/2017, the City had replaced 6,229 service lines and identified 1,439 copper-to-copper lines.
- On 12/13/2017, the City reported that:
 - The plan was to cease service line operations on 12/19/2017. Discussions will ensue after the new year to determine when operations will start up again.
 - Hydrovaccing is important for the project and they would like to continue that effort during the winter.
 - They are reaching out multiple times to unwilling landowners. The City is not doing any partial replacements.
 - They are working on a request for proposal (RFP) for Phase V service line work, with the targeted release in the middle of January. Funding has not been identified. The City will submit an estimate of the cost of the next phase (including hydrovac work) to the MDEQ by 12/20/2017.
 - City records are all scanned and QA/QC is underway to eliminate duplicate records.

Paragraph 57: Maintain chlorine levels.

- On 12/13/2017, the City stated they will be revising their revised total coliform sampling plan to include two new sites. The goal is to get the final plan completed for the January sampling.
- See also the second bullet under paragraph 59.

Paragraph 59: Corrosion control

- On 12/13/2017, the City stated that they intend to start the pipe loop study in January.
- On 12/13/2017, the MDEQ mailed the City a letter providing revised information regarding the collection and reporting of water quality parameter samples on an interim basis from the City's supplemental chemical treatment facility and distribution system. This letter was placed on the website on 12/14/2017.

Paragraph 60: Written plan for a change of water source

- On 12/13/2017, the City stated that they are finalizing the contracts for deeds before the Great Lakes Water Authority (GLWA) contract will be released back to the City and shared with the EPA.

Paragraph 61: Necessary, capable and qualified personnel

- The City is scoping out the structure needed based on the final decision made regarding the water source.
- Nick Pizzi's grant contract was extended to 6/30/2018, to allow more training of staff at the treatment plant. Nick will be providing his next training on January 8 and 9, 2018.

Paragraph 63 and 64: Independent Advisory Panel

- On 12/13/2017, the City reported that the next Flint Water Interagency Coordinating Committee (FWICC) is scheduled for 2/9/2018.

Other:

- On 12/12/2017, the EPA mailed the City and the Michigan Department of Natural Resources regarding the next steps for complying with the Emergency Order and First Amendment to the Order. This letter was posted on the website on 12/14/2017.
- On 12/13/2017, the City reported that AECOM is the City's program manager and, in that role, will be implementing numerous tasks including developing a project plan for Water Infrastructure Improvements for the Nation (WIIN) Act funding and overseeing service line removals. The MDEQ is meeting with AECOM and the City on 1/19 to explain Drinking Water State Revolving Fund (DWSRF) project plan requirements.
- On 12/13/2017, the City reported they are working on the water main replacement projects in coordination with the Transportation Investment Generating Economic Recovery (TIGER) grant.