

**Summary of City of Flint (City) Actions
In Response to the
EPA Emergency Administrative Order
Updated: December 2, 2016**

Chapters 52, 57, 59a & 59b: Weekly Conference Call Regarding Flint Water Plant Operations December 2, 2016.

EPA Order Due Date: Weekly

MDEQ and the Flint Water Treatment Plant Supervisor held a conference call on December 2 to review and discuss the summary of water quality and corrosion control parameters reported on the City's November Operation Report completed to date and a summary of water quality parameters collected the week of November 27 from the 10 sites monitored weekly. Data review (from the MOR) covers November 23-29, 2016. Enhanced weekly distribution system data covers November 29 and November 30. NOTE: *SITE NAME* is still being sampled while West Side Reservoir is unavailable.

The following observations were noted:

- The supplemental phosphate dosage was consistent and ranged between 2.33 and 2.52 milligrams per liter (mg/l). The phosphate residuals measured at the plant tap ranged from 3.5 to 3.8 mg/l entering the distribution system.
- All pH measurements were greater than 7.0 at all 10 of the Enhanced Water Quality Monitoring (EWQM) sites and the Point of Entry (Control Station #2) to the system. The pH levels ranged from 7.41 to 7.49 in the water received from Great Lakes Water Authority (GLWA) and from 7.30 to 7.52 at the 10 distribution system sites.
- The phosphate residual at the ten established, weekly distribution system sites ranged between 3.0 and 3.5 mg/l. The sample location measuring at 3.0 mg/l was site #8, *SITE NAME*, on November 30. A follow-up sample has been collected but has not yet been reported.
- Iron levels at EWQM sites ranged from 0.01 to 0.07 mg/l. Plant tap iron concentrations measured 0.01 mg/l in the last week.
- The results of the lead samples taken at the EWQM sites during the week of November 22 all reported no lead detected.
- The supplemental chlorine feed at Control Station #2 ranged from 1.03 to 1.19 mg/l and the plant tap free chlorine residuals ranged from 1.5 to 1.8 mg/l.
- The free chlorine residuals at the 10 EWQM sites in the distribution system ranged from 0.51 to 1.58 mg/l. The low residual was at site #6, *SITE NAME*, and the high residual was at Site #1. The lowest free chlorine residual at the other 9 EWQM sites during the past week was 1.14 mg/l.