Summary of City of Flint (City) Actions
In Response to the
EPA Emergency Administrative Order
Updated: February 24, 2017

Chapters 52, 57, 59a & 59b: Weekly Conference Call Regarding Flint Water Plant Operations February 24, 2017.

EPA Order Due Date: Weekly

MDEQ and the Flint Water Treatment Plant Supervisor completed a conference call on February 24th to review and discuss the summary of water quality and corrosion control parameters reported on the City's February Operation Report completed to date and a summary of water quality parameters collected for the 7-day period from Thursday, February 16th to Wednesday, February 22nd, 2017 from the 10 sites monitored weekly. Data review (from the MOR) and enhanced weekly distribution system data is summarized below. The City started feeding Sodium Hydroxide for pH control on February 13, 2017. A dedicated quill was installed on February 20, 2017 for the Sodium Hydroxide feed system. 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 2.53 and 2.66 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 7.29 to 7.40 in the water received from Great Lakes Water Authority (GLWA) and from 7.31 to 7.45 at the 10 distribution system sites.
- The City's Sodium Hydroxide feed for pH control ranged between 0.8 and 1.0 mg/l at Control Station #2.
- The phosphate residual at the ten established, weekly distribution system sites ranged between 3.4 and 3.8 mg/l.
- Iron levels at EWQM sites ranged from 0.01 to 0.07 mg/l. Plant tap iron concentrations measured 0.00 to 0.03 mg/l in the last week.
- The supplemental chlorine feed at Control Station #2 ranged from 0.96 to 1.11 mg/l and the plant tap free chlorine residuals ranged from 1.6 to 1.9 mg/l.
- The free chlorine residuals at the City's 25 monitoring sites in the distribution system ranged from 0.81 to 1.66 mg/l. The low residual was at MLK Blvd, and the high residual was at Saginaw Street and Clio Road (two occurrences).