

**Summary of City of Flint (City) Actions  
In Response to the  
EPA Emergency Administrative Order  
Updated: March 16, 2017**

Chapters 52, 57, 59a & 59b: Weekly Conference Call Regarding Flint Water Plant Operations, March 16, 2017.

EPA Order Due Date: Weekly

MDEQ and the Flint Water Treatment Plant Supervisor completed a conference call on March 16<sup>th</sup> 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, March 9<sup>th</sup> to Wednesday, March 15<sup>th</sup>, 2017 from the 10 sites monitored weekly. Data review (from the MOR) and enhanced weekly distribution system data is summarized below. Please note: SITE NAME is being used instead of West Side until the reservoir is placed back into service. The purchase order for the West Side reservoir inspection has been signed this week. The City will be scheduling this inspection soon.

The following observations were noted:

- The supplemental phosphate dosage was consistent and ranged between 2.48 and 2.70 milligrams per liter. The phosphate residuals measured at the plant tap ranged from 3.5 to 3.9 milligrams per liter 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 7.30 to 7.42 in the water received from Great Lakes Water Authority (GLWA); from 7.22 to 7.38 at Plant tap; and from 7.16 to 7.57 at the 10 distribution system sites.
- The City's Sodium Hydroxide feed for pH control was maintained at 1.0 milligrams per liter at Control Station #2.
- The phosphate residual at the ten established, weekly distribution system sites ranged between 3.4 and 3.8 milligrams per liter.
- Iron levels at EWQM sites ranged from 0.01 to 0.06 milligrams per liter. Plant tap iron concentrations measured 0.01 to 0.02 milligrams per liter in the last week.
- The supplemental chlorine feed at Control Station #2 ranged from 0.72 to 1.15 milligrams per liter and the plant tap free chlorine residuals ranged from 1.7 to 1.9 milligrams per liter.
- The free chlorine residuals at the City's 25 monitoring sites in the distribution system ranged from 0.73 to 1.73 milligrams per liter. The low residual was at MLK Blvd, and the high residual was at Clio Rd.