

**Summary of City of Flint (City) Actions  
In Response to the  
EPA Emergency Administrative Order  
Updated: April 22, 2016**

Chapters 52, 57, 59a & 59b: Weekly Conference Call Regarding Flint Water Plant Operations April 22, 2016.

EPA Order Due Date: Weekly

MDEQ and the Flint Water Treatment Plant staff held the weekly conference call to review and discuss the weekly summary of water quality and corrosion control parameters that are reported on both the city's April operation report completed to date, and a summary of water quality parameters collected in the distribution system during the week of April 17<sup>th</sup>. These reports are being used to monitor the city's corrosion control treatment.

The following observations were noted:

- The supplemental phosphate dosage was consistent and ranged between 2.68 and 2.75 milligrams per liter.
- All of the phosphate residuals in the distribution system at the sites monitored weekly were at or above the minimum of 3.1 milligrams per liter to be maintained at all distribution monitoring locations, ranging between 3.16 and 3.69 milligrams per liter.
- All pH measurements were greater than 7.0 at the Enhanced Water Quality Monitoring (EWQM) sites and the Point of Entry to the system. The pH levels ranged from 7.12 to 7.35 in the water received from Great Lakes Water Authority and from 7.13 to 7.31 at the distribution system sites.
- The city is considering boosting chlorine residuals by adding sodium hypochlorite at the entry point to the distribution system. They wish to maintain or even increase chlorine residuals as the water temperatures begin to rise and chlorine residuals would be expected to dissipate.
- Iron levels ranged between 0.00 and 0.07 milligrams per liter at all EWQM sites. Plant tap iron concentrations ranged from 0.01 to 0.02 in the last week.
- Two sets of iron samples were reported this week – one set collected on April 5<sup>th</sup> and one set on April 13<sup>th</sup>. All but one of the lead samples collected in each set reported no lead detected. The sampling site that routinely reported the high iron levels had lower levels this week.

Overall, the corrosion control treatment is meeting expectations as demonstrated from the water quality monitoring submitted this week.