Summary of City of Flint (City) Actions
In Response to the
EPA Emergency Administrative Order
Updated: May 5, 2016

Chapters 52, 57, 59a & 59b: Weekly Conference Call Regarding Flint Water Plant Operations May 5, 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. The weekly call has moved to Thursday because of the numerous scheduling conflicts occurring on Fridays. This week, the data covers a 6-day period, from April 30 through May 5. In the future, the water quality data will cover a full week. The city submitted the monthly operation reports covering the last two days of April and the first few days in May, along with a summary of water quality parameters collected in the distribution system during the week of May 1st. 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 2.67 and 2.73 milligrams per liter.
- All of the phosphate residuals in the distribution system at the sites monitored weekly were above the minimum of 3.1 milligrams per liter, ranging between 3.26 and 3.65 milligrams per liter.
- All pH measurements were greater than 7.0 at the Enhanced Water Quality Monitoring (EWQM) sites and the Point of Entry (Control Station #2) to the system. The pH levels ranged from 7.34 to 7.37 in the water received from Great Lakes Water Authority and from 7.25 to 7.44 at the distribution system sites.
- Fourteen automatic flushing devices have been installed at distribution locations where chlorine residuals were showing seasonal decreases due to warmer temperatures. Ongoing monitoring of these sites indicates chlorine residuals in the vicinity are improving. We discussed plotting chlorine residuals at the EWQM sites over time to see if the automated flushers would have a similar impact on chlorine residuals at these sites. As the city continues to add staff to the water department, projects like this one will be possible.
- Iron levels ranged between 0.01 and 0.05 milligrams per liter at all EWQM sites. Plant tap iron concentrations ranged from 0.00 to 0.04 in the last week.
- All lead samples collected from the EWQM sites reported no lead detected.

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