

**Summary of City of Flint (City) Actions
In Response to the
EPA Emergency Administrative Order
Updated: March 25, 2016**

Chapters 52, 57, 59a & 59b: Weekly Conference Call Regarding Flint Water Plant Operations March 18, 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 March operation report completed to date, and a summary of water quality parameters collected in the distribution system during the week of March 20th. 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 2.65 and 2.73 milligrams per liter.
- All of the phosphate residuals in the distribution system were at or above the minimum of 3.1 milligrams per liter to be maintained at all distribution monitoring locations, ranging between 3.37 and 3.75 milligrams per liter.
- All pH measurements were greater than 7.0 at the Enhanced Water Quality Monitoring sites and the Point of Entry to the system. The pH levels ranged from 7.08 to 7.28.
- Flint WTP personnel contacted the Great Lakes Water Authority to discuss the pH levels and learned that maintenance work at the Lake Huron WTP reducing their capacity may be causing some water supplied to Flint and Genesee County to be coming from other treatment plants that rely upon the Detroit River for their source, which could be the reason for the dip in pH levels observed lately.
- Iron levels ranged between 0.01 and 0.05 milligrams per liter at all Enhanced Water Quality Monitoring sites. Plant tap iron concentrations ranged from 0.00 to 0.02 in the last week.
- Free chlorine residuals reported at monitoring stations ranged from 0.15 to .86 milligrams per liter in the distribution system and total chlorine residuals ranged from 0.26 to 1.01 milligrams per liter.
- All but one of the lead samples collected from the EQWP sites this week reported no lead detected, with one site reporting 2 micrograms per liter.
- The city has completed the quarterly Water Quality Parameter monitoring performed at 25 additional distribution sites and will be reporting the results with next week's submittal.

- The city indicated that inline monitors are on order, 6 for chlorine residuals and 2 for phosphate residuals. They should be installed within 30 days in accordance with their short term goals in the Distribution System Optimization Plan.
- The city has 2 auto-flushers being shipped that will be installed in areas that need to reduce water age to maintain adequate water quality.

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