

**Summary of City of Flint (City) Actions
In Response to the
EPA Emergency Administrative Order
Updated: February 16, 2016**

Chapters 52, 57, 59a & 59b: Weekly Conference Call Regarding Flint Water Plant Operations February 12, 2016.

EPA Order Due Date: Weekly

MDEQ and the Flint Water Treatment Plant staff held the weekly conference call to review and discuss the city's February operation report to date and the weekly summary of water quality parameters for the week of February 8th that 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 2.6 and 2.73 milligrams per liter.
- One of the phosphate residuals in the distribution system was 3.07 milligrams per liter, which is slightly below the minimum of 3.1 milligrams per liter to be maintained at all distribution monitoring locations.
- All pH measurements were greater than 7.0 at all Enhanced Water Quality Monitoring sites and the Point of Entry to the system. However, the pH levels are trending downward from 7.5 in late January to 7.2 to 7.3 in the past week. Flint Water Plant staff agreed to contact the Great Lakes Water Authority's Lake Huron Water Treatment Plant to inquire whether the pH level can be adjusted upward to help Flint stay within the specified pH range, and MDEQ staff agreed to assist as needed in discussions with GLWA regarding this issue.
- Iron levels ranged between 0.02 and 0.17 milligrams per liter at all Enhanced Water Quality Monitoring sites. However, plant tap iron concentrations were not included in the Monthly Operation Report as discussed previously. Flint Water Plant staff confirmed this oversight and agreed to correct the MOR to include this information.
- The large water main break on February 9th did not result in a significant increase in water purchased from the Great Lakes Water Authority since the majority of the water lost through this break was pumped from Flint storage tanks. An estimate of the water lost during this break is 5 to 7 million gallons between 10 AM and 8 PM on February 9th. Free and total chlorine residuals were not reported at Stations 7 and 8 on February 9th because the break occurred near these stations and impacted the ability of the city to monitor them. Additional bacteriological samples were collected at these locations along with additional chlorine residuals on February 10th and 11th after the water main was repaired. Flint Water Plant staff will add an explanation to the comments section of the February MOR.

- The Flint Water Plant staff also confirmed receipt of our February 3, 2016 letter calling for lead monitoring at each of the EWQP sites and indicated that monitoring for lead at these sites will be commencing.