

Rennaker, Joanne (DEQ)

From: Hansen, Jeff <jrhansen@lan-inc.com>
Sent: Friday, May 29, 2015 10:05 AM
To: Prysby, Mike (DEQ)
Cc: Busch, Stephen (DEQ); Brent Wright (bwright@cityofflint.com);
 mglasgow@cityofflint.com; Matta, Samir; Green, Warren
Subject: OER
Attachments: Flint-TTHM-OER-FINAL-3-01.pdf; March 1st, 2015 OEL Report - DEQ Comments.doc

Hi Mike,

You will be receiving hard copies of the attached OER today. I also wanted to respond to the written comments you provided on the last OER submitted. The following correspond to your numbered comments which I have also attached:

1. All tables in the report have been revised to correlate the TTHM results to the sample site numbers matching MDEQ records. References to the number of exceedences have also been revised accordingly.
2. The average ozone dosage for April 2015 was 2.4 mg/l. The system is capable of much more than that, but higher dosages are not necessary and bromate formation is a concern.
3. The current model is adequate to evaluate the transmission main size along Dupont and Bishop from a conservative standpoint. Although all model domestic demands have not been revised yet, the fire flow demand is much larger and dictates the main size. Additionally, domestic demands will be decreasing.
4. Veolia provided recommendations in a Technical Memo dated 3/30/15. In that memo Veolia recommended a permanganate dosage of about 1.0 mg/l and referred to 10% TOC removal improvement. Pages 4 and 17 of the report have been revised accordingly.
5. Comment noted – no changes to report needed.
6. City staff are investigating the existence of valves shown on the system map for the pressure zone.
7. Comment noted – no changes to report needed.
8. Agree. Options in the report to reduce storage used have been revised so as not to limit the volume of Reservoir #3.
9. Comment noted – no changes to report needed.

Jeffrey R. Hansen
 Senior Project Manager

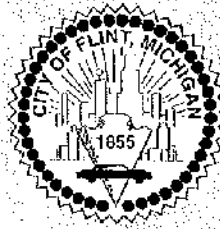


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Operational Evaluation Report City of Flint



Trihalomethane Formation Concern

May 29, 2015

In Response to February 2015 Sample Results

