

**Rennaker, Joanne (DEQ)**

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**From:** Busch, Stephen (DEQ)  
**Sent:** Wednesday, December 10, 2014 5:10 PM  
**To:** 'Wurfel, Brad (DEQ) (WurfelB@michigan.gov)'; Datema, Maggie (DEQ); Shekter Smith, Liane (DEQ) (SHEKTERL@michigan.gov)  
**Cc:** Richard Benzie P.E. (BENZIER@michigan.gov); prysbym@michigan.gov; Adam Rosenthal (rosenthala@michigan.gov)  
**Subject:** Draft Violation Notice for comment  
**Attachments:** Flint DBP MCL 4Q14 draft.doc

Attached is a draft violation notice to the City of Flint regarding the exceedance of the drinking water standard for total trihalomethanes (TTHM).

If you have any comments please let me know by Friday, we would like to mail this out by Monday at the latest. An electronic copy of the signed letter will be provided to Maggie for forwarding to legislative members in the Flint area.

If you have any questions, please contact me directly.

Stephen Busch, P.E.  
Lansing and Jackson District Supervisor  
Office of Drinking Water and Municipal Assistance  
MDEQ  
517-643-2314



RICK SNYDER  
GOVERNOR

STATE OF MICHIGAN  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
LANSING DISTRICT OFFICE



DAN WYANT  
DIRECTOR

December 12, 2014

Mr. Brent Wright, Operation Supervisor  
City Of Flint - DPW  
Flint Water Plant  
4500 North Dort Highway  
Flint, MI 48505

WSSN: 02310

Dear Mr. Wright:

**SUBJECT:** Violation Notice – Maximum Contaminant Level for Total Trihalomethanes  
Operational Evaluation – Total Trihalomethanes  
3<sup>rd</sup> Quarter 2014

The Department of Environmental Quality (DEQ), Office of Drinking Water and Municipal Assistance (ODWMA), records show that the City of Flint is in violation of the Safe Drinking Water Act, 1976 PA 399, as amended (Act 399); R 325.10610, *Maximum contaminant levels (MCL) for disinfection byproducts*, of the 1979 Administrative Code.

In accordance with R.325.10610, *MCLs for disinfection byproducts*, of the 1979 Administrative Code, the MCL for disinfection byproduct total trihalomethanes (TTHM) is 0.080 milligrams per liter (mg/L) as a Locational Running Annual Average (LRAA) at each monitoring location. As listed in the table below, our records show that the City of Flint's highest TTHM locational running annual average (LRAA), based on the last three quarters ending November 30, 2014, is 0.099 mg/l which exceeds the standard, and that two of the eight sample site locations exceed the standard of 0.080 mg/L.

Further, in accordance with R325.10719I, *Disinfection byproducts: operational evaluation levels*, of the 1979 Administrative Code, when an operational evaluation level (OEL) at a monitoring location for TTHM exceeds 0.080 mg/L, a supply shall conduct an operational evaluation and submit a written report of the evaluation to the department not later than 90 days after being notified of the analytical result that causes the supply to exceed the operational evaluation level. As listed in the table below, our records show that TTHM operational evaluation levels for the City of Flint exceed 0.080 mg/L, at four of the City's eight sample site locations.

| TTHM Results (mg/L)                          | 5/21/14 | 8/21/14 | 11/20/14 | LRAA  | OEL   |
|----------------------------------------------|---------|---------|----------|-------|-------|
| DBP1 McDonalds<br>3719 Davison               | 0.162   | 0.145   | 0.059    | 0.092 | 0.106 |
| DBP2 Liquor Palace<br>3302 S. Dort Highway   | 0.112   | 0.127   | 0.033    | 0.068 | 0.076 |
| DBP3 North Flint Auto<br>6204 N. Saginaw St. | 0.097   | 0.118   | 0.041    | 0.064 | 0.074 |