

**Rennaker, Joanne (DEQ)**

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**From:** Rosenthal, Adam (DEQ)  
**Sent:** Friday, January 16, 2015 1:31 PM  
**To:** larry.f.elliott@abc12.com  
**Cc:** Prysby, Mike (DEQ); Busch, Stephen (DEQ); Wurfel, Brad (DEQ); Benzie, Richard (DEQ); Shekter Smith, Liane (DEQ)  
**Subject:** Flint Disinfection By-Product data  
**Attachments:** Flint 2014 DBP results.PDF

Dear Mr. Elliott at ABC 12 Flint.

Attached are results and definitions for Disinfection By-Products samples collected during 2014 for the City of Flint. The Locational Running Annual Average (LRAA) is the number used for compliance with the Maximum Contaminant Levels (MCLs).

Sincerely,

Adam Rosenthal, EQA  
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## Flint 2014 TTHM &amp; HAA5 results and Locational Running Annual Average (LRAA)

1/16/15

| TTHM Results (mg/L)                          |              |              |              |              |
|----------------------------------------------|--------------|--------------|--------------|--------------|
|                                              | 5/21/14      | 8/21/14      | 11/20/14     | LRAA         |
| DBP1 McDonalds<br>3719 Davison               | <b>0.162</b> | <b>0.145</b> | 0.059        | <b>0.092</b> |
| DBP2 Liquor Palace<br>3302 S. Dort Highway   | <b>0.112</b> | <b>0.127</b> | 0.033        | 0.068        |
| DBP3 North Flint Auto<br>6204 N. Saginaw St. | <b>0.097</b> | <b>0.118</b> | 0.041        | 0.064        |
| DBP4 University Market<br>2501 Flushing Road | <b>0.106</b> | <b>0.196</b> | <b>0.094</b> | <b>0.099</b> |
| DBP5 Taco Bell<br>3606 Corunna Road          | 0.079        | <b>0.181</b> | 0.034        | 0.074        |
| DBP6 Rite-Aid Pharmacy<br>5018 Clio Road     | <b>0.088</b> | <b>0.144</b> | 0.054        | 0.072        |
| DBP7 Salem Housing<br>3216 MLK Boulevard     | <b>0.082</b> | <b>0.112</b> | 0.050        | 0.061        |
| DBP8 BP Gas Station<br>822 S. Dort Highway   | 0.075        | <b>0.112</b> | 0.036        | 0.056        |

| HAA5 Results (mg/L)                          |              |         |          |       |
|----------------------------------------------|--------------|---------|----------|-------|
|                                              | 5/21/14      | 8/21/14 | 11/20/14 | LRAA  |
| DBP1 McDonalds<br>3719 Davison               | <b>0.064</b> | 0.043   | 0.016    | 0.031 |
| DBP2 Liquor Palace<br>3302 S. Dort Highway   | 0.052        | 0.031   | 0.015    | 0.025 |
| DBP3 North Flint Auto<br>6204 N. Saginaw St. | 0.048        | 0.037   | 0.018    | 0.026 |
| DBP4 University Market<br>2501 Flushing Road | 0.055        | 0.017   | 0.024    | 0.024 |
| DBP5 Taco Bell<br>3606 Corunna Road          | 0.050        | 0.024   | 0.015    | 0.022 |
| DBP6 Rite-Aid Pharmacy<br>5018 Clio Road     | 0.049        | 0.030   | 0.017    | 0.024 |
| DBP7 Salem Housing<br>3216 MLK Boulevard     | 0.041        | 0.025   | 0.005    | 0.018 |
| DBP8 BP Gas Station<br>822 S. Dort Highway   | 0.038        | 0.040   | 0.021    | 0.025 |

*Locational running annual average (LRAA):* the average of sample analytical results for samples taken at a particular monitoring location during the previous four calendar quarters.

*Maximum contaminant level (MCL):* the maximum permissible level of a contaminant in water which is delivered to any user of a public water system.

The Stage 2 Disinfection By-Products Rule (DBPR) requires systems to meet an LRAA of 0.080 mg/L for TTHM and 0.060 mg/L for HAA5 at each compliance monitoring location.