

Prysby, Mike (DEQ)

From: Busch, Stephen (DEQ)
Sent: Wednesday, December 17, 2014 4:29 PM
To: Wurfel, Brad (DEQ)
Cc: Prysby, Mike (DEQ)
Subject: Flint Drinking Water Actions

Brad,

Here are some of the actions Flint has been taking to address the TTHM levels.

1. Removed the 20 Million Gallon Dort storage reservoir from service to prevent stagnant water conditions.
2. Softening 100% of water instead of partial softening to reduce amount of chlorine needed
3. Modified operation of water storage tanks to increase turn over and reduce stagnant water volumes.
4. Increased frequency of water main flushing to reduce detention time and stagnant water conditions.
5. Repair transmission water mains and valves to allow direct flow patterns and reduce detention time.

The City is also working on these additional items:

1. Further optimization of the enhanced coagulation process, possible use of polymer chemicals
2. Optimization of the ozone treatment process
3. Enhanced cleaning of filters to help reduce amounts of chlorine needed for disinfection

Mike Prysby can provide additional information as needed.

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

City of Flint Water Plant DBP Distribution System Sampling Site Locations

Site ID #	Routine Site Name & Address	Up-Stream Site Name & Address	Down-Stream Site Name & Address
DBP #1 (previously DBP 3)	<u>McDonalds Restaurant</u> 3719 Davison Rd. Flint, MI 48506	Arby's Restaurant 3742 Davison Rd. Flint MI 48506	Admiral Gas Station 3802 Davison Rd. Flint, MI 48506
DBP #2	<u>BP Gas Station</u> 822 S. Dort Hwy. Flint, MI 48503	Advasure Insurance 810 S. Dort Hwy. Flint, MI 48507	Rite-Aid Pharmacy 2838 E. Court St. Flint, MI 48506
DBP #3 (previously DBP 2)	<u>Liquor Palace</u> 3302 S. Dort Hwy. Flint, MI 48507	Mattress Savers 3124 S. Dort Hwy. Flint, MI 48507	Premier Insurance 3316 S. Dort Hwy. Flint, MI 48507
DBP #4	<u>Taco Bell</u> 3606 Corunna Rd. Flint, MI 48532	Rite Aid Pharmacy 3521 Corunna Rd. Flint, MI 48532	McFalls Collision 3614 Corunna Rd. Flint, MI 48532
DBP #5 (previously DBP 4)	<u>University Market</u> 2501 Flushing Rd. Flint, MI 48504	Consumer Services 2702 Flushing Rd. Flint, MI 48504	Rube's Bar 1117 N. Chevrolet Ave. Flint, MI 48504
DBP #6	<u>Salem Housing</u> 3216 M. L. King Blvd. Flint, MI 48505	BP Gas Station 3317 M.L. King Blvd. Flint, MI 48505	Hinky Dinky Market 3110 M.L. King Blvd. Flint, MI 48505
DBP #7	<u>Rite-Aid Pharmacy</u> 5018 Clio Rd. Flint, MI 48504	Urban League of Flint 5005 Cloverlawn Dr. Flint, MI 48504	Clio Coin Laundry 4930 Clio Rd. Flint, MI 48504
DBP #8 (previously DBP 5)	<u>North Flint Automotive</u> 6204 N. Saginaw St. Flint, MI 48505	Al & Jerry's Mini-mart 6101 N. Saginaw St. Flint, MI 48505	Hutchinson's Food & Drug 6509 N. Saginaw St. Flint, MI 48505

DBP Sampling Frequency – 8 samples quarterly

- Routine samples are collected during the 3rd full week of February, May, August, & November.
- Prior to April 2014, four (4) samples were required under EPA Stage 2 DBP. Those sites are included in our current 8 samples, and are changes in site codes are indicated in red.
- Due to initial high levels of TTHM after full time operation in April, extra samples have been collected from our Cedar St. & West Side pump stations/reservoirs, to help us determine beneficial operational procedures.