
From: Michael Glasgow <mglasgow@cityofflint.com>
Sent: Wednesday, December 10, 2014 12:42 PM
To: Prysby, Mike (DEQ)
Subject: Re: Stage 2 DBP Monitoring Plan
Attachments: Nov 2014 MOR Scan.pdf; DBP Distribution System Sampling Site Locations.docx

Mike,

Good afternoon. I don't believe we sent a formal copy of our DBP monitoring plan to reflect the change for full time operation. Prior to April 2014, the Stage 2 DBP monitoring sites were: DBP 1 - 3719 Davison Rd, DBP 2 - 3302 S. Dort Hwy., DBP 3 - 6204 N. Saginaw St., DBP 4 - 2501 Flushing Rd. After April, our monitoring schedule showed that we had to collect 8 DBP samples quarterly. With only 8 distribution sites (disregarding the reservoirs) we use every site in Bacteriological Sample Site Plan. Site #1 is now DBP 1, Site #2 is now DBP 2, and so on. We continued on the same sample time schedule as before April: The 3rd full week of February, May, August, & November. I have attached a copy of the "rough" DBP sample monitoring plan.

I have also attached a copy of the November 2014 MOR, a hard copy will be sent out today.

On Tue, Dec 9, 2014 at 11:15 AM, Prysby, Mike (DEQ) <PRYSBYM@michigan.gov> wrote:

Brent, Michael

Can you e-mail us a copy of Flint's most recent Stage 2 DDBP monitoring plan (updated plan to reflect full-time operation of the WTP – after April 25th)? We need to confirm site codes for the various TTHM/HAA5 sampling locations. Thanks...

Michael Prysby, P.E.

District Engineer

Office of Drinking Water and Municipal Assistance

517 290-8817

CITY of FLINT WATER TREATMENT PLANT MONTHLY OPERATION REPORT

SUPPLY NAME: CITY of FLINT WATER PLANT
 WSSN: 2310

Michael Glasgow
 Operator-in-Charge

November 2014
 Month/Year

F-1R, F-2
 Certification of Operator-in-Charge

F-1
 Water Plant Classification

Michael Glasgow
 Signature of Operator-in-Charge

Genesee
 County

Treatment Rate and Filter Data

Maximum Treatment Rate:	<u>18.7</u>	Million Gallons per Day
Rated Plant Capacity:	<u>36</u>	Million Gallons per Day
Average Filter Run:	<u>76</u>	Hours
Average Head Loss:	<u>n/a</u>	Feet *(filter head loss meters not operational)
Average Filtration Rate:	<u>2.1</u>	Gallons Per Square Feet per Minute
Maximum Filtration Rate:	<u>3.2</u>	Gallons Per Square Feet per Minute
Average Wash Water Use:	<u>3.2%</u>	Percent of Treated Water

Chemical Data

Chlorine on hand:	<u>12,000</u> lb.	Est. supply:	<u>15</u> days
Primary Coagulant (Ferric Chloride) on hand:	<u>194,500</u> lb.	Est. supply:	<u>22</u> days
Lime (CaO) on hand:	<u>393</u> tons	Est. supply:	<u>38</u> days
Fluoride on Hand:	<u>15,000</u> lb.	Est. supply:	<u>40</u> days
Cost of All Chemicals per Million Gallons:	<u>n/a</u> dollars		
Total Power Cost per Million Gallons:	<u>n/a</u> dollars		

Remarks

Confluence Point # 1 (N)

Confluence Point # 2 (S)

Number of filter confluence samples > 0.3 NTU:	<u>0</u>	<u>0</u>
Number of filter confluence samples collected:	<u>227</u>	<u>227</u>
Percent of filter confluence samples > 0.3 NTU:	<u>0.0%</u>	<u>0.0%</u>
Number of filter confluence samples > 1 NTU:	<u>0</u>	<u>0</u>

Did any individual filter exceed:

1.0 NTU in two consecutive measurements taken 15 minutes apart?	<u>NO</u>
If yes, attach specific filter(s) information and indicate required follow-up status.	
0.5 NTU in two consecutive measurements taken 15 minutes apart after 4 hours of operation?	<u>NO</u>
If yes, attach specific filter(s) information and indicate required follow-up status.	
1.0 NTU in two consecutive measurements taken 15 minutes apart for 3 consecutive months?	<u>NO</u>
If yes, attach specific filter(s) information and indicate required follow-up status.	
2.0 NTU in two consecutive measurements taken 15 minutes apart for 2 consecutive months?	<u>NO</u>
If yes, attach specific filter(s) information and indicate required follow-up status.	

Was continuous (every 15 minutes) filter monitoring equipment off-line during the month? NO
 If yes, indicate date(s), duration, and individual filter grab sampling frequency on a separate sheet.

Did POE disinfectant residual fall below 0.2 ppm during the month? NO
 If yes, indicate date(s) and duration on a separate sheet.

Was minimum C·T credit achieved for the entire month? YES
 If no, indicate on a separate sheet the date(s) not achieved.

Was continuous POE chlorine residual monitoring equipment off-line during the month? NO
 If yes, indicate date(s) and duration on a separate sheet.