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**From:** Prysby, Mike (DEQ)  
**Sent:** Tuesday, March 10, 2015 1:47 PM  
**To:** Busch, Stephen (DEQ)  
**Subject:** FW: City of Flint February 2015 MOR  
**Attachments:** February 2015 MOR.pdf

Steve,

The cold water and high flows challenged the city's ability to maintain acceptable treatment. Although they met standards according to our rules, the high treatment rate later in the month and low water temp did have some impact.

Michael Prysby, P.E.  
District Engineer  
Office of Drinking Water and Municipal Assistance  
517 290-8817

**From:** Michael Glasgow [<mailto:mglasgow@cityofflint.com>]  
**Sent:** Tuesday, March 10, 2015 9:46 AM  
**To:** Prysby, Mike (DEQ)  
**Subject:** City of Flint February 2015 MOR

Mike,

Good morning, I just wanted to get you a copy of the February MOR. A copy will go out in the mail today

Mike Glasgow  
City of Flint Water Plant

## CITY of FLINT WATER TREATMENT PLANT MONTHLY OPERATION REPORT

SUPPLY NAME: CITY of FLINT WATER PLANT

WSSN: 2310

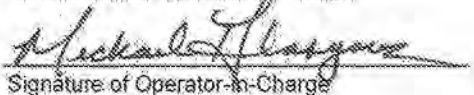
Michael Glasgow  
Operator-in-ChargeFebruary 2015  
Month/Year

F-1R, F-2

F-1

Certification of Operator-in-Charge

Water Plant Classification

Genesee  
County

## Treatment Rate and Filter Data

|                          |      |                                                 |
|--------------------------|------|-------------------------------------------------|
| Maximum Treatment Rate:  | 25.3 | Million Gallons per Day                         |
| Rated Plant Capacity:    | 36   | Million Gallons per Day                         |
| Average Filter Run:      | 86   | Hours                                           |
| Average Head Loss:       | n/a  | Feet *(filter head loss meters not operational) |
| Average Filtration Rate: | 2.4  | Gallons Per Square Feet per Minute              |
| Maximum Filtration Rate: | 3.3  | Gallons Per Square Feet per Minute              |
| Average Wash Water Use:  | 2.4% | Percent of Treated Water                        |

## Chemical Data

|                                              |             |              |         |
|----------------------------------------------|-------------|--------------|---------|
| Chlorine on hand:                            | 8,000 lb.   | Est. supply: | 8 days  |
| Primary Coagulant (Ferric Chloride) on hand: | 125,000 lb. | Est. supply: | 3 days  |
| Lime (CaO) on hand:                          | 397 tons    | Est. supply: | 31 days |
| Fluoride on Hand:                            | 26,600 lb.  | Est. supply: | 40 days |
| Cost of All Chemicals per Million Gallons:   | n/a dollars |              |         |
| Total Power Cost per Million Gallons:        | n/a dollars |              |         |

## Remarks

## Confluence Point # 1 (N)

## Confluence Point # 2 (S)

|                                                                                                        |      |      |
|--------------------------------------------------------------------------------------------------------|------|------|
| Number of filter confluence samples > 0.3 NTU:                                                         | 1    | 0    |
| Number of filter confluence samples collected:                                                         | 218  | 218  |
| Percent of filter confluence samples > 0.3 NTU:                                                        | 0.5% | 0.0% |
| Number of filter confluence samples > 1 NTU:                                                           | 0    | 0    |
| Did any individual filter exceed:                                                                      |      |      |
| 1.0 NTU in two consecutive measurements taken 15 minutes apart?                                        |      | NO   |
| 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?             |      | NO   |
| 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?               |      | NO   |
| 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?               |      | NO   |
| 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.                                             |      |      |