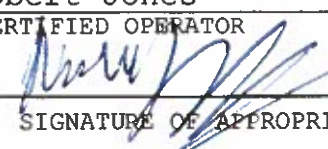


**MONTHLY OPERATION REPORT
OF
WATER TREATMENT PLANT**

For Month of October 2019

<u>Flint Water Plant</u> NAME OF WATER SYSTEM	<u>2310</u> WSSN	<u>Genesee</u> COUNTY
<u>Robert Jones</u> CERTIFIED OPERATOR		<u>D-1</u> CLASSIFICATION
 SIGNATURE OF APPROPRIATE OFFICIAL		

TREATMENT RATE AND FILTER DATA

1. Treatment Rate, Maximum 11.32 Million Gallons Per Day
2. Treatment Rate, Approved Rated Plant Capacity 36 Million Gallons per Day
3. Average Filter Run N/A Hours, Average Head Loss N/A Feet
4. Average Filtration Rate N/A Gallons per Square Ft. per Minute
5. Maximum Filtration Rate N/A Gallons per Square Ft. per Minute
6. Average Wash Water Use N/A percent of Treated Water

CHEMICAL DATA

7. Sodium Hypochlorite on hand at CS2 2898 gal.: Estimated supply 40 days
8. Sodium Hypochlorite on hand at outstations 176 gal: Estimated supply 16 days.
9. Phosphoric Acid on hand 1100 gal.: Estimated supply 55 days
9. Sodium Hydroxide on hand 3670 gal.: Estimated supply 22 days

Remarks:

Submit to: MDEQ - Office of Drinking Water & Municipal Assistance
LANSING DISTRICT OFFICE
525 West Allegan Street, 1st Floor South
(Constitution Hall)
PO Box 30242
Lansing, MI 48909-7742



Fluoridation & Chlorination WSSN 2310 **Oct-19**

D A T E	Fluoride Applied F mg/l	Fluoride Analyses mg/l			Chlorine App. Mg/l				Chlorine Residual mg/l					
		Chlorine App. Mg/l			Chlorine (prior to filtration) mg/L OCI	Post Chlorine mg/L	Sta II	Dort	3MG Well	Tap				
		Raw	Tap	Dist						Free	Free	Free		
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1		0.66	0.65		1.16			0.9						1.7
2		0.65	0.65		1.07			1.0						1.7
3		0.58	0.58		1.11			0.9						1.7
4		0.60	0.59		1.15			1.0						1.7
5		0.59	0.59		1.20			0.9						1.7
6		0.56	0.57		1.25			0.9						1.6
7		0.54	0.55		1.25			0.9						1.7
8		0.55	0.55		1.15			0.9						1.7
9		0.62	0.63		1.06			0.9						1.7
10		0.60	0.59		1.12			0.9						1.7
11		0.60	0.60		1.09			0.7						1.5
12		0.60	0.60		1.06			0.9						1.6
13		0.59	0.59		1.15			0.9						1.6
14		0.59	0.59		1.17			0.9						1.7
15		0.59	0.59		1.16			0.8						1.6
16		0.50	0.54		0.96			0.9						1.6
17		0.58	0.58		0.90			0.9						1.8
18		0.60	0.60		0.94			1.0						1.7
19		0.61	0.62		0.96			1.0						1.8
20		0.63	0.63		0.88			0.9						1.7
21		0.63	0.62		1.09			0.9						1.7
22		0.62	0.61		1.28			0.9						1.7
23		0.60	0.58		1.25			0.9						1.7
24		0.54	0.54		1.24			0.9						1.7
25		0.71	0.77		1.17			1.0						1.7
26		0.63	0.68		1.25			1.0						1.7
27		0.62	0.68		1.14			0.9						1.7
28		0.64	0.60		1.26			0.9						1.6
29		0.84	0.83		1.24			0.9						1.7
30		0.77	0.72		1.23			1.0						1.7
31		0.59	0.62		1.17			1.0						1.7
AVG			0.62		1.13			0.9						1.7
MAX			0.83		1.28			1.0						1.8
MIN			0.54		0.88			0.7						1.5



Chemical Analyses

WSSN 2310

Oct-19

D A T E	pH		Total Hardness as CaCO ₃ , mg/l		Total Alkalinity as CaCO ₃ , mg/l		NonCarbonate Hardness as CaCO ₃ , mg/l		Iron mg/L		Calcium Ca ²⁺ , mg/l		Magnesium as Mg ²⁺ , mg/l		Chloride as Cl ⁻ , mg/l	
	CSII	Tap	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap
	29	30	31	32	33	34	35	36	37	38.00	39	40	41	42	43	44
1	7.25	7.55	102	100	80	82	30	32	0.04	0.02	28.1	28.1	7.8	7.3	15	17
2	7.30	7.53		100		86		32	0.0	0.02		27.3		7.8		15
3	7.53	7.59		102		84		34	0.03	0.02		27.3		8.3		15
4	7.45	7.55		104		86		34	0.01	0.00		28.1		8.3		16
5	7.51	7.59		106		84		36	0	0.09		28.1		8.7		15
6	7.51	7.56		106		84		36	0.03	0.01		28.1		8.7		15
7	7.32	7.46		104		84		34	0.02	0.01		28.1		8.3		16
8	7.46	7.47	102	102	80	84	32	34	0.02	0.00	28.1	27.3	7.8	8.3	14	15
9	7.54	7.56		102		80		32	0.01	0.02		28.1		7.8		15
10	7.47	7.62		100		80		30	0.01	0.01		28.1		7.3		16
11	7.21	7.61		102		86		30	0	0.01		28.9		7.3		18
12	7.21	7.48		102		82		30	0.01	0.02		28.9		7.3		16
13	7.25	7.42		100		86		30	0	0.01		28.1		7.3		16
14	7.33	7.41		102		86		30	0.06	0.01		28.9		7.3		17
15	7.26	7.50	100	102	80	84	28	30	0	0.02	28.9	28.9	6.8	7.3	16	16
16	7.24	7.46		102		84		30	0.02	0.01		28.9		7.3		16
17	7.59	7.65		104		86		36	0.02	0.01		27.3		8.7		14
18	7.47	7.57		104		82		36	0.01	0.02		27.3		8.7		15
19	7.23	7.58		104		86		34	0.03	0.03		28.1		8.3		16
20	7.14	7.54		104		84		34	0.02	0.03		28.1		8.3		15
21	7.30	7.49		104		86		34	0	0.01		28.1		8.3		15
22	7.46	7.58	102	102	78	84	32	32	0.01	0.01	28.1	28.1	7.8	7.8	15	15
23	7.08	7.44		102		86		32	0.01	0.01		28.1		7.8		15
24	7.24	7.55		100		86		30	0	0.01		28.1		7.3		16
25	7.30	7.50		100		86		28	0.02	0.01		28.9		6.8		17
26	7.20	7.65		100		86		30	0.04	0.03		28.1		7.3		16
27	7.26	7.57		100		82		30	0.03	0.01		28.1		7.3		16
28	7.26	7.60		102		82		30	0	0.02		28.9		7.3		16
29	7.28	7.56	102	102	82	86	30	30	0.02	0.00	28.9	28.9	7.3	7.3	16	15
30	7.25	7.55		102		84		30	0	0.00		28.9		7.3		13
31	7.20	7.48		104		86		36	0.02	0.01		27.3		8.7		14
AVG	7.33	7.54		102		84		32		0.02		28.2		7.8		16
MAX	7.59	7.65		106		86		36		0.09		28.9		8.7		18.0
MIN	7.08	7.41		100		80		28		0.00		27.3		6.8		13.0



WSSN 2310 Oct-19

DATE	Total Coliform						Standard Plate Count	Conductivity (mS)	Temp deg. C	Color		Odor	
	Plant Tap									Raw Tap	Raw Tap	Raw Tap	Raw Tap
		Dort	3MG Well	Sta II	Lab Tap								
	60	61	62	63	64	65	66	69		71	72	73	74
1						2/0		0.23	15.4				
2						2/0		0.23	15.5				
3						2/0		0.23	15.8				
4						2/0		0.23	15.3				
5						2/0		0.23	15.0				
6						2/0		0.23	15.8				
7						2/0		0.23	15.4				
8						2/0		0.23	15.1				
9						2/0		0.23	15.4				
10						2/0		0.24	15.7				
11						2/0		0.23	15.8				
12						2/0		0.23	15.9				
13						2/0		0.23	16.1				
14						2/0		0.23	15.8				
15						2/0		0.23	15.3				
16						2/0		0.23	15.4				
17						2/0		0.23	15.8				
18						2/0		0.23	14.8				
19						2/0		0.23	14.1				
20						2/0		0.23	14.4				
21						2/0		0.23	14.2				
22						2/0		0.23	14.9				
23						2/0		0.22	16.2				
24						2/0		0.23	15.1				
25						2/0		0.23	15.3				
26						2/0		0.23	14.0				
27						2/0		0.23	14.8				
28						2/0		0.23	14.3				
29						2/0		0.23	14.1				
30						2/0		0.23	14.2				
31						2/0		0.23	15.1				
AVG								0.23	15.2				
MAX								0.24	16.2				
MIN								0.22	14.0				

