



The City of Flint and F&V Operations and Resource Management are submitting the following report(s) to Michigan Department of Environment, Great Lakes and Energy:

2nd Quarter WQP monitoring

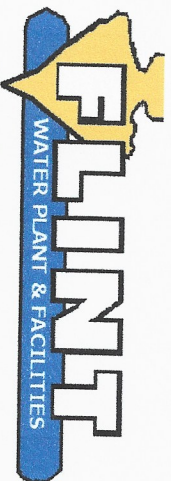
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City of Flint Representative: _____

Signature: _____ Date: _____

F&V Operations Representative: Robert Jones _____

Signature: [Signature] Date: 7/20/2020



2nd QUARTER WATER QUALITY PARAMETER MONITORING

04/01/20 - 06/30/20

SAMPLE POINT IDENTIFICATION						PARAMETERS AND RESULTS											
Distribution System Location #	Sample Point Address	Name & # of Samples Taken			Temperature (°C)	Conductivity (mS)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Calcium (mg/L Ca ⁺⁺)	Hardness (mg/L CaCO ₃)	Turbidity (NTU)	Iron (mg/L)	Chloride (mg/L Cl ⁻)	Phosphate (mg/L PO ₄)	Sulfate (mg/L SO ₄)	Free Chlorine (ppm)	Total Chlorine (ppm)
1	University Market 2501 Flushing Rd	28	MIN		19.6	0.264	7.67	92	31.3	110	0.85	0.10	17.0	3.86	22.0	1.77	1.89
			MAX		7.8	0.220	7.32	78	24.0	98	0.05	0.00	14.0	3.22	13.0	1.12	1.29
			AVG		13.3	0.234	7.50	82	27.9	102	0.14	0.03	15.5	3.41	18.6	1.36	1.53
2	Ten Fu Chinese Gourmet 1621 Saginaw St	14	MIN		8.1	0.220	7.20	78	28.1	100	0.09	0.00	15.0	3.28	17.0	1.26	1.74
			MAX		18.0	0.244	7.68	86	29.7	104	0.10	0.02	16.0	3.45	20.0	1.85	2.05
			AVG		12.5	0.227	7.54	81	28.9	101	0.10	0.01	15.3	3.39	18.3	1.68	1.88
3	Palace Liquor Store 3609 Beecher	0	MIN														
			MAX														
			AVG														
4	Rite-Aid 3521 Corunna	28	MIN		7.6	0.220	7.37	76	26.5	96	0.06	0.01	14.0	3.29	10.0	1.33	1.55
			MAX		18.7	0.263	7.71	88	30.5	110	0.24	0.04	17.0	3.51	23.0	1.59	1.76
			AVG		12.3	0.233	7.50	82	28.1	102	0.11	0.02	15.2	3.43	17.8	1.49	1.67
5	Cedar St Reservoir 1100 Cedar	28	MIN		7.4	0.219	7.20	76	26.5	96	0.06	0.00	14.0	3.31	16.0	1.10	1.67
			MAX		16.9	0.257	7.88	88	30.5	108	0.25	0.04	18.0	3.59	22.0	2.48	2.68
			AVG		11.4	0.231	7.52	83	27.9	101	0.11	0.02	15.7	3.45	18.4	1.72	1.93
6	Dean T. Yeodis Law 611 W. Court St Ste 200	4	MIN		17.4	0.226	7.32	86	28.1	104	0.12	0.01	15.0	3.44	18.0	1.00	1.61
			MAX		18.8	0.239	7.47	86	28.1	104	0.12	0.01	15.0	3.44	18.0	1.52	1.79
			AVG		18.1	0.231	7.43	86	28.1	104	0.12	0.01	15.0	3.44	18.0	1.39	1.70
7	Foss Avenue Church 1159 Foss Ave	0	MIN														
			MAX														
			AVG														
8	North Flint Automotive 6204 N Saginaw St	1	MIN		12.4	0.229	7.48	82	28.1	100	0.06	0.00	17.0	3.54	21.0	1.63	1.85
			MAX		12.4	0.229	7.48	82	28.1	100	0.06	0.00	17.0	3.54	21.0	1.63	1.85
			AVG		12.4	0.229	7.48	82	28.1	100	0.06	0.00	17.0	3.54	21.0	1.63	1.85
9	Rite-Aid 5018 Clio Rd	14	MIN		10.3	0.220	7.30	78	26.5	96	0.05	0.00	14.0	3.25	13.0	1.00	1.13
			MAX		18.9	0.254	7.69	88	29.7	110	0.33	0.04	17.0	3.63	20.0	1.37	1.57
			AVG		13.6	0.232	7.45	82	28.0	102	0.10	0.02	15.1	3.40	17.4	1.20	1.39
10	Auto Zone 4090 Clio Rd	14	MIN		6.7	0.220	7.41	80	26.5	100	0.06	0.01	14.0	3.36	16.0	1.32	1.62
			MAX		17.5	0.259	7.57	84	28.1	104	0.30	0.03	16.0	3.58	20.0	1.79	1.99
			AVG		11.5	0.232	7.50	81	27.6	102	0.15	0.02	15.3	3.48	18.3	1.59	1.80
11	Westside Reservoir 1416 Dupont St	26	MIN		9.9	0.226	7.23	80	26.5	96	0.10	0.02	14.0	3.24	16.0	0.95	1.11
			MAX		20.6	0.246	7.78	84	28.9	106	0.40	0.08	16.0	3.43	23.0	1.44	1.60
			AVG		14.1	0.233	7.50	82	28.1	101	0.25	0.05	15.3	3.34	19.0	1.14	1.33
12	Woodside Church 503 Garland St	14	MIN		8.2	0.223	7.36	80	27.3	96	0.13	0.02	15.0	3.30	17.0	0.36	0.89
			MAX		22.6	0.256	7.59	86	28.1	102	0.46	0.06	16.0	3.50	21.0	1.25	1.46
			AVG		14.7	0.234	7.51	83	27.6	99	0.28	0.04	15.3	3.42	19.0	1.04	1.24
13	Grandma's Recipies 3538 Richfield Rd	0	MIN														
			MAX														
			AVG														
14	Admiral Gas 3802 Davison Rd	14	MIN		7.9	0.221	7.47	78	26.5	96	0.05	0.00	14.0	3.33	16.0	1.43	1.67
			MAX		18.7	0.264	7.57	88	29.7	112	0.15	0.03	17.0	3.54	22.0	1.71	1.88
			AVG		12.5	0.233	7.51	82	28.0	102	0.08	0.02	15.4	3.45	19.6	1.61	1.79
15	Luigi's Restaurant 2131 Davison Rd	14	MIN		7.9	0.220	7.45	80	28.1	102	0.10	0.00	14.0	3.27	19.0	1.01	1.08
			MAX		18.2	0.262	7.62	84	28.1	106	0.17	0.04	16.0	3.47	23.0	1.61	1.85
			AVG		12.2	0.232	7.51	82	28.1	104	0.13	0.02	15.0	3.40	20.7	1.42	1.63

16	Rite-Aid 2838 E. Court St	28	MIN	7.3	0.217	7.45	78	26.5	94	0.05	0.00	14.0	3.29	9.0	0.96	1.11
			MAX	19.5	0.265	7.70	90	29.7	112	0.28	0.15	18.0	3.66	24.0	1.71	1.85
			AVG	12.8	0.231	7.55	83	28.1	101	0.10	0.03	15.3	3.47	18.7	1.47	1.55
17	Liquor Palace 3302 S Dort Hwy	26	MIN	6.9	0.219	7.40	78	26.5	96	0.05	0.00	14.0	3.21	16.0	1.22	1.45
			MAX	19.1	0.264	7.67	90	30.5	112	0.20	0.05	18.0	3.70	23.0	1.73	1.90
			AVG	12.5	0.230	7.53	83	28.1	102	0.11	0.02	15.3	3.49	19.5	1.58	1.79
18	Rite-Aid 3717 Fenton Rd	14	MIN	8.5	0.200	7.40	80	27.3	104	0.08	0.02	14.0	3.34	12.0	0.98	1.24
			MAX	19.8	0.250	7.64	86	27.3	106	0.10	0.03	16.0	3.48	20.0	1.59	1.75
			AVG	13.1	0.231	7.51	83	27.3	105	0.09	0.03	15.0	3.39	16.7	1.29	1.48
19	Neighborhood Engagement Hub 3216 MLK Blvd	0	MIN													
			MAX													
			AVG													
20	Fire House #3 1625 MLK Blvd	14	MIN	7.6	0.221	7.35	80	24.8	100	0.09	0.01	14.0	3.36	17.0	0.79	1.04
			MAX	20.7	0.263	7.88	88	28.9	102	0.33	0.06	15.0	3.52	22.0	1.42	1.59
			AVG	15.0	0.233	7.52	85	27.3	101	0.22	0.04	14.7	3.46	19.0	1.16	1.33
21	Don's Market 510 Leota Ave	10	MIN												1.16	1.30
			MAX												1.45	1.60
			AVG												1.33	1.52
22	Haselbring Senior Center 1002 W Home St	1	MIN	13.5	0.220	7.51									1.16	1.31
			MAX	13.5	0.220	7.51									1.16	1.31
			AVG	13.5	0.220	7.51									1.16	1.31
23	Sam's Market 4612 Western Rd	14	MIN	6.5	0.220	7.48	80	26.5	98	0.06	0.02	15.0	3.36	19.0	1.51	1.62
			MAX	16.3	0.264	7.60	86	28.9	106	0.12	0.00	16.0	3.52	19.0	1.89	2.05
			AVG	11.0	0.232	7.53	82	27.6	102	0.09	0.01	15.7	3.42	19.0	1.77	1.94
24	Genesee Community Health 3109 Kleinpell St	14	MIN	7.9	0.223	7.32	78	28.1	96	0.06	0.02	16.0	3.39	18.0	1.01	1.18
			MAX	16.7	0.259	7.63	84	28.1	102	0.07	0.00	17.0	3.45	21.0	1.50	1.73
			AVG	11.7	0.233	7.56	82	28.1	99	0.06	0.02	16.3	3.43	19.7	1.29	1.45
25	Fire House #5 3402 Western Rd	14	MIN	8.6	0.223	7.44	80	27.3	96	0.09	0.00	14.0	3.32	16.0	1.06	1.31
			MAX	18.2	0.257	7.88	88	28.9	110	0.12	0.03	15.0	3.47	19.0	1.68	1.87
			AVG	12.8	0.234	7.59	82	28.1	103	0.11	0.02	14.8	3.42	18.0	1.40	1.55
26	Mr. B's Foodland 4311 Dupont St	13	MIN	6.5	0.222	7.33	80	26.5	98	0.06	0.01	15.0	3.31	17.0	1.14	1.34
			MAX	15.5	0.252	7.86	86	28.1	104	0.09	0.01	17.0	3.50	20.0	1.66	1.88
			AVG	10.2	0.232	7.49	82	27.6	100	0.08	0.01	15.7	3.41	18.0	1.44	1.69
27	Marathon Gas 2905 Saginaw St	11	MIN	10.8	0.222	7.20	82	28.1	102	0.09	0.02	15.0	3.45	19.0	1.37	1.55
			MAX	18.4	0.260	7.76	84	28.1	102	0.12	0.04	16.0	3.54	19.0	1.83	2.00
			AVG	14.0	0.233	7.47	83	28.1	102	0.11	0.03	15.5	3.50	18.5	1.66	1.85
28	Flint Institute of Arts 1120 E Kearsley St	14	MIN	11.3	0.221	7.35	82	27.3	98	0.10	0.00	16.0	3.11	18.0	0.07	0.79
			MAX	27.4	0.265	7.70	86	27.3	104	0.18	0.03	16.0	3.19	20.0	1.67	1.80
			AVG	20.9	0.235	7.48	85	27.3	101	0.12	0.02	16.0	3.14	19.0	1.06	1.24
29	Maxi Quality Meats 3440 Lapeer St	14	MIN	7.2	0.219	7.46	82	26.5	96	0.06	0.00	15.0	3.11	18.0	1.36	1.71
			MAX	17.0	0.264	7.57	82	28.1	100	0.11	0.02	17.0	3.48	20.0	1.90	1.93
			AVG	11.3	0.232	7.50	82	27.3	99	0.09	0.01	15.7	3.36	19.0	1.65	1.83
30	ADESA Flint 3711 Western Rd	14	MIN	6.1	0.220	7.35	80	26.5	96	0.07	0.01	14.0	3.43	13.0	0.84	1.15
			MAX	19.5	0.259	7.69	86	27.3	104	0.19	0.02	16.0	3.61	21.0	1.83	1.98
			AVG	13.6	0.231	7.47	82	27.1	101	0.12	0.02	11.5	3.53	17.0	1.52	1.70
8B	Hutchinson's 6609 N Saginaw St	21	MIN	8.4	0.219	7.26	76	26.5	98	0.05	0.00	14.0	3.31	15.0	1.42	1.62
			MAX	16.2	0.259	7.78	88	29.7	110	0.31	0.02	17.0	3.83	22.0	1.87	2.00
			AVG	11.5	0.231	7.52	81	27.6	101	0.11	0.01	15.3	3.59	17.9	1.64	1.82
13B	Painter's Supply 3702 Richfield Rd	15	MIN	5.0	0.220	7.30	78	27.3	100	0.07	0.01	14.0	3.43	18.0	1.12	1.34
			MAX	15.5	0.264	7.56	82	28.1	100	0.19	0.05	17.0	3.58	21.0	1.86	2.03
			AVG	9.64	0.230	7.45	80.5	27.7	100	0.15	0.02	15.3	3.50	19.3	1.63	1.87
17B	Cash Advance 3316 Dort Hwy.	2	MIN	11.1	0.227	7.48	78	27.3	98	0.11	0.02	15.0	3.51	21.0	1.68	1.89
			MAX	13.6	0.234	7.48	80	28.1	100	0.12	0.03	16.0	3.60	25.0	1.71	1.90
			AVG	12.4	0.231	7.48	79	27.7	99	0.11	0.03	15.5	3.56	23.0	1.70	1.90
19B	BP Gas Station 3317 MLK Blvd	31	MIN	7.9	0.220	7.21	78	26.5	96	0.05	0.00	14.0	3.21	15.0	0.61	1.46
			MAX	22.7	0.262	7.86	92	30.5	110	0.21	0.04	18.0	3.65	25.0	1.59	1.81
			AVG	14.3	0.231	7.54	83	27.8	101	0.09	0.02	15.4	3.45	19.4	1.41	1.63