



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:

4th Quarter Monitoring 2019

Flint Excursion Report 7/1/19 - 12/31/19

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons or persons who manage the system or those persons directly responsible for gathering such information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

City of Flint Representative: _____

Signature: _____ Date: _____

F&V Operations Representative: Robert Jones _____

Signature:  _____ Date: 1/6/19



4TH QUARTER WATER QUALITY PARAMETER MONITORING

10/01/19 - 12/31/19

SAMPLE POINT IDENTIFICATION				PARAMETERS AND RESULTS												
Station Name/Location #	Sample Point Address	Flow #	# of Samples Taken	Temperature (°C)	Conductivity (uS)	pH	Total Alkalinity (mg/L CaCO3)	Dissolve (mg/L CaCO3)	Hardness (mg/L CaCO3)	Turbidity (NTU)	Iron (mg/L)	Copper (mg/L)	Fluoride (mg/L F-)	Nitrite (mg/L N-NO2)	Free Chlorine (ppm)	Total Chlorine (ppm)
1	University Market 3001 Peachtree Rd	2A	PP	8.7	0.23	7.27	80	23.7	100	0.08	0.00	34	2.42	7	0.83	1.07
				20.0	0.23	7.86	86	26.9	104	0.28	0.05	17	3.57	19	1.50	1.70
				13.7	0.23	7.39	84	28.0	101	0.11	0.03	16	3.48	16	1.25	1.44
2	Ten Fu Chinese Courtland 1621 Sedgehur St	S	PP	17.9	0.23	7.20	84	27.3	100	0.10	0.01	15	3.84	16	1.26	1.41
				20.4	0.24	7.70	84	27.3	100	0.10	0.01	15	3.86	16	1.24	1.39
				15.9	0.23	7.81	84	27.3	100	0.10	0.01	15	3.88	18	1.40	1.55
3	Palace Lager Store 9000 Beecher	H	PP	8.2	0.23	7.20	82	26.1	98	0.12	0.02	14	3.60	19	1.17	1.47
				17.7	0.24	7.74	84	28.1	98	0.18	0.02	17	3.48	19	1.49	1.79
				12.9	0.23	7.49	83	28.1	95	0.14	0.02	16	3.49	19	1.43	1.64
4	Rite-Aid 9021 Conasa	2A	PP	8.3	0.22	7.20	80	26.6	98	0.08	0.00	14	3.44	11	1.27	1.41
				19.8	0.23	7.84	84	28.9	108	0.29	0.04	18	3.63	18	1.37	1.75
				14.4	0.22	7.88	84	28.0	101	0.14	0.02	18	3.63	19	1.41	1.60
5	Cedar St Reservoir 1100 Cedar	2A	PP	9.4	0.23	7.23	82	26.8	98	0.09	0.00	18	3.49	19	1.27	1.55
				17.7	0.24	7.82	88	28.8	104	0.22	0.04	18	3.84	20	1.47	1.69
				12.8	0.23	7.80	84	27.6	101	0.14	0.02	18	3.68	19	1.34	1.58
6	Dean V. Yeandle Lane 911 W. Court St, Ste 200	E	PP	10.2	0.22	7.47	82	27.3	98	0.10	0.00	14	3.49	16	1.14	1.29
				18.9	0.23	7.87	84	26.9	102	0.13	0.04	18	3.88	17	1.58	1.78
				14.7	0.23	7.88	83	28.1	100	0.12	0.02	19	3.89	19	1.41	1.60
7	Poon Avenue Church 1180 Poon Ave	E	PP	12.8	0.22	7.28	84	28.1	98	0.19	0.06	14	3.48	19	0.95	1.05
				20.4	0.24	7.83	88	28.1	104	0.20	0.08	18	3.81	19	1.27	1.55
				18.2	0.23	7.88	88	28.1	104	0.20	0.08	18	3.84	20	1.16	1.33
8	North Flint Automotive 6264 N Sedgehur St	H	PP	11.4	0.22	7.43	82	28.8	100	0.09	0.00	14	3.22	14	1.40	1.70
				18.8	0.23	7.78	86	28.9	104	0.18	0.08	17	3.81	21	1.72	1.88
				14.7	0.23	7.81	84	27.8	101	0.10	0.02	18	3.81	17	1.80	1.79
9	Rite-Aid 8018 Cleo Rd	H	PP	8.2	0.21	7.80	82	28.9	100	0.07	0.00	18	3.28	14	0.75	1.13
				20.5	0.24	7.78	86	28.9	104	0.24	0.04	18	3.71	20	1.72	1.90
				14.7	0.23	7.88	84	27.8	101	0.12	0.02	18	3.80	17	1.34	1.54
10	Auto Zone 4890 Cleo Rd	H	PP	8.2	0.23	7.80	84	28.9	100	0.09	0.00	14	3.84	18	1.37	1.61
				18.7	0.23	7.80	86	28.9	108	0.13	0.02	17	3.84	18	1.78	1.94
				12.0	0.23	7.88	86	27.3	102	0.10	0.01	18	3.49	17	1.59	1.78
11	Westside Reservoir 1418 Dupont St	H	PP	10.1	0.23	7.27	80	26.7	98	0.09	0.01	14	3.21	14	0.78	0.88
				18.8	0.23	7.88	88	28.1	104	0.26	0.04	17	3.82	21	1.38	1.55
				13.9	0.22	7.81	84	27.8	101	0.18	0.02	18	3.43	17	1.11	1.28
12	Westside Church 808 Gardner St	H	PP	7.9	0.23	7.28	80	27.3	100	0.37	0.24	14	3.88	18	0.54	0.80
				17.3	0.23	7.87	88	28.1	104	0.24	0.08	17	3.81	19	1.54	1.80
				13.9	0.23	7.84	87	27.8	102	0.17	0.07	18	3.67	19	0.97	1.17
13	Grandma's Receptions 8280 Wakefield Rd	E	PP	10.8	0.22	7.40	82	28.1	88	0.08	0.00	18	3.42	14	0.77	0.96
				21.8	0.23	7.70	86	28.9	102	0.10	0.08	18	3.45	17	1.35	1.54
				18.7	0.23	7.80	89	28.4	101	0.10	0.02	18	3.44	18	1.12	1.27
14	Admiral Gas 8892 Davison Rd	H	PP	8.7	0.22	7.30	82	28.8	98	0.09	0.01	14	3.45	15	1.88	1.82
				18.7	0.23	7.88	88	28.9	104	0.12	0.03	16	3.88	20	1.47	1.66
				14.1	0.23	7.82	84	27.8	101	0.08	0.01	15	3.88	19	1.59	1.78
15	Lodge's Restaurant 2191 Davison Rd	H	PP	8.8	0.22	7.58	80	27.3	100	0.08	0.01	14	3.41	15	0.76	1.23
				20.4	0.23	7.70	86	28.9	102	0.11	0.08	17	3.69	17	1.47	1.61
				14.9	0.23	7.88	83	28.1	101	0.28	0.03	16	3.88	19	1.27	1.47
16	Rite-Aid 2890 E. Court St	2A	PP	8.4	0.22	7.28	82	26.8	88	0.09	0.00	14	3.34	14	1.81	1.51
				20.1	0.23	7.84	80	28.9	104	0.26	0.03	16	3.67	19	1.75	1.92
				13.9	0.23	7.84	80	27.9	101	0.11	0.01	15	3.80	18	1.55	1.79
17	Liquor Palace 2892 S Court Hwy	2A	PP	8.1	0.22	7.53	88	28.9	98	0.08	0.00	14	3.40	15	1.44	1.57
				18.4	0.23	7.77	88	28.9	108	0.15	0.08	18	3.71	21	1.70	1.96
				13.4	0.23	7.87	84	27.8	101	0.11	0.01	18	3.59	18	1.60	1.80
18	Rite-Aid 2717 Pantan Rd	H	PP	10.3	0.23	7.29	82	27.3	100	0.09	0.01	15	3.42	15	0.88	1.08
				18.4	0.23	7.74	80	28.9	102	0.14	0.02	18	3.46	18	1.48	1.67
				14.7	0.23	7.80	88	28.1	101	0.11	0.01	18	3.81	15	1.22	1.46
19	Neighborhood Engagement Hub 3216 MLK Blvd	E	PP	10.8	0.23	7.40	80	26.7	98	0.09	0.01	14	3.24	19	0.54	0.68
				19.8	0.23	7.77	88	28.9	104	0.28	0.09	18	4.11	20	1.64	1.86
				18.2	0.23	7.88	84	27.8	101	0.18	0.02	18	3.48	18	1.10	1.31
20	Fire House #8 1828 MLK Blvd	H	PP	8.8	0.22	7.51	82	28.1	100	0.11	0.01	15	3.28	15	0.88	0.82
				20.0	0.23	7.78	84	28.9	100	0.11	0.03	18	3.39	17	1.28	1.42
				14.9	0.23	7.87	83	28.8	100	0.11	0.02	17	3.37	18	1.09	1.18
21	Don's Market 918 Leola Ave	H	PP	8.4	0.22	7.87	82	26.8	100	0.10	0.01	15	3.42	15	0.98	1.34
				18.3	0.23	7.88	84	28.1	104	0.11	0.02	15	3.48	16	1.51	1.68
				13.9	0.23	7.88	85	27.3	102	0.11	0.02	19	3.44	18	1.22	1.48
22	Manufacturing Center 1002 W Home St	H	PP	12.4	0.22	7.37	82	28.8	100	0.08	0.01	15	3.45	15	0.98	1.17
				18.3	0.23	7.80	88	28.9	104	0.11	0.02	17	3.81	18	1.28	1.30
				15.8	0.23	7.87	84	27.8	101	0.10	0.01	18	3.48	15	1.17	1.34
23	Star's Market 4812 Western Rd	H	PP	8.8	0.22	7.21	84	28.1	102	0.17	0.01	18	3.67	14	1.82	1.78
				17.4	0.23	7.73	88	28.9	102	0.23	0.02	18	3.89	17	1.82	2.03
				13.2	0.23	7.98	88	28.4	102	0.19	0.01	18	3.63	18	1.73	1.92
24	Goreau Community Health #188 Hudsonville St	H	PP	11.8	0.22	7.50	82	27.3	98	0.09	0.00	15	3.49	19	1.17	1.30
				18.3	0.23	7.88	86	28.9	104	0.28	0.09	18	3.84	19	1.51	1.68
				16.4	0.23	7.88	88	27.8	101	0.08	0.01	18	3.82	19	1.34	1.47
25	Fire House #8 2422 Western Rd	H	PP	8.8	0.22	7.87	88	28.1	100	0.18	0.01	15	3.48	14	1.09	1.18
				20.4	0.24	7.77	90	28.9	102	0.26	0.02	16	3.82	18	1.68	1.88
				14.9	0.23	7.71	87	28.8	101	0.21	0.01	16	3.88	19	1.32	1.50
26	Mr. We Pondered 4811 Dupont St	H	PP	7.4	0.22	7.23	82	25.7	98	0.09	0.01	14	3.43	14	1.38	1.45
				17.2	0.23	7.88	88	28.1	104	0.12	0.02	17	3.88	18	1.43	1.63
				11.6	0.23	7.88	84	27.0	101	0.11	0.01	15	3.85	15	1.72	1.66
27	Marathon Gas 2507 Sedgehur St	H	PP	8.8	0.22	7.43	82	27.3	100	0.11	0.01	14	3.48	14	0.82	0.78
				18.9	0.23	7.81	84	28.1	102	0.13	0.08	17	3.52	20	1.78	1.96
				14.2	0.22	7.88	83	27.7	101	0.12	0.03	16	3.49	17	1.58	1.83
28	Flint Institute of Arts 1135 N Kearsley St	E	PP	10.6	0.22	7.50	82	27.3	100	0.18	0.01	15	3.49	11	0.83	0.96
				20.3	0.23	7.87	88	28.1	102	0.26	0.08	16	3.70	17	1.58	1.83
				16.1	0.23	7.84	88	27.8	101	0.29	0.03	15	3.62	15	1.97	1.36
29	Maui Quality Meats 8440 Lapeer St	H	PP	8.1	0.23	7.38	84	28.1	98	0.09	0.01	14	3.47	13	1.38	1.64
				19.1	0.23	7.77	88	28.1	100	0.10	0.02	17	3.65	17	1.72	1.94
				13.7	0.23	7.88	88	28.1	99	0.10	0.02	18	3.81	19	1.51	1.79
30	APOSIA Plant Western Rd	E	PP	8.3	0.22	7.24	82	28.1	100	0.12	0.01	14	3.43	14	1.30	1.42



CITY OF FLINT EXCURSION PARAMETER REPORT

07/01/19 - 12/31/19

SAMPLE POINT IDENTIFICATION		PARAMETERS AND RESULTS							
Distribution System Location #	Sample Point Name & Address	Parameter	Date Outside Parameter	Value	Date Back In Parameter	Value	Number of Days Outside Parameter	Comments	
								No excursions to report for the 4th Quarter	
Total Excursions							0	Zero excursions existed during this time period	