

Prysby, Mike (DEQ)

From: Michael Glasgow <mglasgow@cityofflint.com>
Sent: Tuesday, December 29, 2015 4:47 PM
To: Prysby, Mike (DEQ); Rosenthal, Adam (DEQ)
Cc: Brent Wright
Subject: 4th Qtr WQM (25 Sites)
Attachments: 4th Quarter WQM's (Detroit Water).xlsx

Mike & Adam,

Here are the results of WQM for the 4th quarter of 2015.

Mike Glasgow
Utilities Administrator
City of Flint
1101 S. Saginaw St.
Flint, MI 48502
(810)766-7135 ext. 2602



Quarterly Water Quality Monitoring

SAMPLE SITE IDENTIFICATION					PARAMETERS AND RESULTS					
Sample Location	Sample Point Name & Address	Sample Date	Tech	Time	Temperature (°C)	Conductivity (mS)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Calcium (mg/L Ca ²⁺)	Phosphate (mg/L PO ₄)
#1	Arby's 3742 Davison Rd.	12/16/2015	SB	1012	16.9	0.19	7.50	76	31.3	2.13
#2	Rite Aid 2838 Court St 48506	12/16/2015	SB	1025	12.8	0.18	7.46	74	34.5	3.38
#3	Liquor Palace 3302 S. Dort Hwy	12/16/2015	SB	1059	13.9	0.19	7.32	72	33.7	3.34
#4	Taco Bell 3606 Corunna Rd.	12/16/2015	SB	1206	13.5	0.19	7.58	72	33.7	3.22
#5	University Market 2501 Flushing Rd.	12/16/2015	SB	1221	12.8	0.19	7.28	72	34.5	2.50
#6	Salem Housing 3216 MLK Blvd.	12/16/2015	SB	1251	17.3	0.20	7.73	78	31.3	1.59
#7	Rite-Aid 5018 Clio Rd, 48504	12/16/2015	SB	1308	14.3	0.19	7.43	72	34.5	3.31
#8	N. Flint Automotive 6204 N. Saginaw St.	12/15/2015	CB	1324	17.6	0.19	7.31	72	29.7	3.66
CS	Cedar Street Pump Station	12/16/2015	SB	1139	13.0	0.18	7.37	72	32.1	2.96
WS	West Side Pump Station	12/16/2015	SB	1234	12.5	0.19	7.47	74	33.7	2.02
#1A	Grandma's Recipe 3538 Richfield Rd. 48506	12/17/2015	SB	945	12.6	0.19	7.31	74	34.5	2.73
#2A	Quizzno's 3818 E. Court St. 48506	12/21/2015	SB	1015	13.9	0.19	7.44	72	35.3	3.67



WEEKLY ENHANCED WATER QUALITY PARAMETER MONITORING

SAMPLE POINT IDENTIFICATION				PARAMETERS AND RESULTS									
Distribution System Location #	Sample Point Name & Address	Sample Week	Tech	Temperature (°C)	Conductivity (mS)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Calcium (mg/L Ca ²⁺)	Hardness (mg/L CaCO ₃)	Turbidity (NTU)	Iron (mg/L)	Chloride (mg/L Cl ⁻)	Ortho phosphate (mg/L PO ₄)
#1	Arby's 3742 Davison Rd.	Nov. 29	SB/CB	15.9	0.21	7.85	76	32.1	114	0.175	0.16	15	0.68
#2	BP Gas Station 822 S. Dort Hwy	Nov. 29	SB/CB	14.6	0.20	7.58	70	30.5	110	0.183	0.06	14	1.02
#3	Liquor Palace 3302 S. Dort Hwy	Nov. 29	SB/CB	16.5	0.20	7.51	74	31.3	96	0.096	0.04	12	1.02
#4	Taco Bell 3606 Corunna Rd.	Nov. 29	SB/CB	14.1	0.21	7.97	78	34.5	104	0.129	0.08	15	0.93
#5	University Market 2501 Flushing Rd.	Nov. 29	SB/CB	14.0	0.21	7.52	70	36.1	104	0.173	0.10	16	0.88
#6	Salem Housing 3216 MLK Blvd.	Nov. 29	SB/CB	17.3	0.21	7.95	76	33.7	104	0.305	0.11	14	0.74
#7	Rite-Aid 5018 Clio Rd. 48504	Nov. 29	SB/CB	15.7	0.20	7.55	72	37.7	100	0.165	0.08	15	0.98
#8	N. Flint Automotive 6204 N. Saginaw St.	Nov. 29	SB/CB	16.5	0.20	7.42	74	32.1	100	0.109	0.03	14	1.06
CS	Cedar Street Reservoir & Pump Station	Nov. 29	SB/CB	13.4	0.22	7.48	70	37.7	104	0.159 F	0.05	15	1.02
WS	West Side Reservoir & Pump Station	Nov. 29	SB/CB	12.8	0.21	7.48	70	32.9	98	0.182 P	0.08	15	1.10

F = Well was *Filling* when sample was taken. P = Well was *Pumping* when sample was taken. N = Well was *Neutral* when sample was taken.



WEEKLY ENHANCED WATER QUALITY PARAMETER MONITORING

SAMPLE POINT IDENTIFICATION				PARAMETERS AND RESULTS									
Distribution System Location #	Sample Point Name & Address	Sample Week	Tech	Temperature (°C)	Conductivity (mS)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Calcium (mg/L Ca ²⁺)	Hardness (mg/L CaCO ₃)	Turbidity (NTU)	Iron (mg/L)	Chloride (mg/L Cl ⁻)	Ortho phosphate (mg/L PO ₄)
#1	Arby's 3742 Davison Rd.	Nov. 22	CB/SB	16.3	0.19	7.68	66	33.7	106	0.180	0.07	13	0.59
#2	BP Gas Station 822 S. Dort Hwy	Nov. 22	CB/SB	13.6	0.19	7.60	74	31.3	110	0.331	0.12	12	1.16
#3	Liquor Palace 3302 S. Dort Hwy	Nov. 22	CB/SB	13.6	0.19	7.50	74	34.5	102	0.229	0.16	12	1.09
#4	Taco Bell 3606 Corunna Rd.	Nov. 22	CB/SB	14.7	0.20	7.69	74	40.1	110	0.286	0.09	13	0.99
#5	University Market 2501 Flushing Rd.	Nov. 22	CB/SB	12.7	0.20	7.55	72	35.3	104	0.228	0.08	15	0.93
#6	Salem Housing 3216 MLK Blvd.	Nov. 22	CB/SB	16.7	0.20	7.88	74	43.3	112	0.287	0.14	13	0.76
#7	Rite-Aid 5018 Clio Rd. 48504	Nov. 22	CB/SB	16.0	0.19	7.61	74	31.3	116	0.092	0.04	12	0.95
#8	N. Flint Automotive 6204 N. Saginaw St.	Nov. 22	CB/SB	17.6	0.19	7.57	72	34.5	102	0.103	0.04	13	1.06
CS	Cedar Street Reservoir & Pump Station	Nov. 22	CB/SB	14.0	0.21	7.51	74	48.1	122	0.244 P	0.09	15	0.95
WS	West Side Reservoir & Pump Station	Nov. 22	CB/SB	12.7	0.20	7.56	72	36.1	116	0.116 F	0.04	15	0.99

F = Well was *Filling* when sample was taken. P = Well was *Pumping* when sample was taken. N = Well was *Neutral* when sample was taken.



WEEKLY ENHANCED WATER QUALITY PARAMETER MONITORING

SAMPLE POINT IDENTIFICATION				PARAMETERS AND RESULTS									
Distribution System Location #	Sample Point Name & Address	Sample Week	Tech	Temperature (°C)	Conductivity (mS)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Calcium (mg/L Ca ²⁺)	Hardness (mg/L CaCO ₃)	Turbidity (NTU)	Iron (mg/L)	Chloride (mg/L Cl ⁻)	Ortho phosphate (mg/L PO ₄)
#1	Arby's 3742 Davison Rd.	Nov. 15	CB	17.4	0.022	7.77	76	29.7	104	0.227	0.14	12	0.64
#2	BP Gas Station 822 S. Dort Hwy	Nov. 15	CB	18.4	0.022	7.58	74	30.5	100	0.128	0.07	12	1.01
#3	Liquor Palace 3302 S. Dort Hwy	Nov. 15	CB	16.8	0.022	7.54	74	32.1	98	0.169	0.06	10	1.12
#4	Taco Bell 3606 Corunna Rd.	Nov. 15	CB	15.7	0.022	7.58	72	31.3	102	0.31	0.07	11	0.89
#5	University Market 2501 Flushing Rd.	Nov. 15	CB	16.1	0.023	7.54	72	32.1	104	0.274	0.06	11	0.98
#6	Salem Housing 3216 MLK Blvd.	Nov. 15	CB	19.6	0.024	7.79	76	31.3	104	0.215	0.04	16	0.73
#7	Rite-Aid 5018 Clio Rd. 48504	Nov. 15	CB	16.8	0.022	7.61	76	31.3	100	0.159	0.04	11	0.78
#8	N. Flint Automotive 6204 N. Saginaw St.	Nov. 15	CB	18.2	0.022	7.57	74	31.3	104	0.123	0.05	11	0.95
CS	Cedar Street Reservoir & Pump Station	Nov. 15	CB	14.1	0.023	7.54	72	32.1	104	0.319 F	0.13	15	0.82
WS	West Side Reservoir & Pump Station	Nov. 15	CB	14.5	0.023	7.54	70	32.9	100	0.245 P	0.12	16	0.80

F = Well was *Filling* when sample was taken. P = Well was *Pumping* when sample was taken. N = Well was *Neutral* when sample was taken.



WEEKLY ENHANCED WATER QUALITY PARAMETER MONITORING

SAMPLE POINT IDENTIFICATION				PARAMETERS AND RESULTS									
Distribution System Location #	Sample Point Name & Address	Sampling Week	Tech	Temperature (°C)	Conductivity (mS)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Calcium (mg/L Ca ²⁺)	Hardness (mg/L CaCO ₃)	Turbidity (NTU)	Iron (mg/L)	Chloride (mg/L Cl ⁻)	Ortho phosphate (mg/L PO ₄)
#1	Arby's 3742 Davison Rd.	Nov. 08	CB	17.8	0.022	7.70	76	32.1	100	0.171	0.16	12	0.78
#2	BP Gas Station 822 S. Dort Hwy	Nov. 08	CB	15.6	0.022	7.53	74	31.5	100	0.093	0.09	12	1.04
#3	Liquor Palace 3302 S. Dort Hwy	Nov. 08	CB	16.3	0.022	7.47	74	30.5	102	0.088	0.07	11	1.01
#4	Taco Bell 3606 Corunna Rd.	Nov. 08	CB	16.0	0.022	7.51	72	30.5	102	0.183	0.10	14	0.94
#5	University Market 2501 Flushing Rd.	Nov. 08	CB	16.8	0.023	7.50	70	31.3	112	0.271	0.10	25	0.80
#6	Salem Housing 3216 MLK Blvd.	Nov. 08	CB	17.4	0.023	7.82	78	31.3	106	0.154	0.08	16	0.61
#7	Rite-Aid 5018 Clio Rd. 48504	Nov. 08	CB	16.8	0.022	7.58	74	30.5	102	0.074	0.04	11	0.89
#8	N. Flint Automotive 6204 N. Saginaw St.	Nov. 08	CB	18.4	0.022	7.47	68	29.7	100	0.077	0.04	11	0.96
CS	Cedar Street Reservoir & Pump Station	Nov. 08	CB	14.6	0.023	7.49	72	29.7	100	.353 P	0.14	14	0.99
WS	West Side Reservoir & Pump Station	Nov. 08	CB	15.0	0.024	7.51	72	29.7	106	.396 F	0.08	19	0.89

F = Well was *Filling* when sample was taken. P = Well was *Pumping* when sample was taken. N = Well was *Neutral* when sample was taken.



WEEKLY ENHANCED WATER QUALITY PARAMETER MONITORING

SAMPLE POINT IDENTIFICATION				PARAMETERS AND RESULTS									
Distribution System Location #	Sample Point Name & Address	Sample Week	Tech	Temperature (°C)	Conductivity (mS)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Calcium (mg/L Ca ²⁺)	Hardness (mg/L CaCO ₃)	Turbidity (NTU)	Iron (mg/L)	Chloride (mg/L Cl ⁻)	Ortho phosphate (mg/L PO ₄)
#1	Arby's 3742 Davison Rd.	11/1/2015	CB	17.9	0.022	7.61	78	30.5	100	0.092	0.06	13	0.70
#2	BP Gas Station 822 S.Dort Hwy	11/1/2015	CB	16.4	0.022	7.41	74	29.7	100	0.093	0.07	13	1.09
#3	Liquor Palace 3302 S. Dort Hwy	11/1/2015	CB	16.5	0.022	7.35	74	30.5	100	0.136	0.06	11	1.13
#4	Taco Bell 3606 Corunna Rd.	11/1/2015	CB	16.5	0.022	7.40	70	28.9	106	0.194	0.06	21	0.99
#5	University Market 2501 Flushing Rd.	11/1/2015	CB	17.1	0.027	7.44	72	33.7	110	0.321	0.12	20	0.82
#6	Salem Housing 3216 MLK Blvd.	11/1/2015	CB	16.0	0.025	7.94	74	32.1	110	0.157	0.07	23	0.70
#7	Rite-Aid 5018 Clio Rd. 48504	11/1/2015	CB	17.8	0.022	7.41	74	34.5	100	0.084	0.05	12	1.02
#8	N. Flint Automotive 6204 N. Saginaw St.	11/1/2015	CB	18.6	0.021	7.37	74	30.5	98	0.055	0.02	13	1.10
CS	Cedar Street Reservoir & Pump Station	11/1/2015	CB	15.6	0.025	7.36	72	29.7	104	0.265 F	0.10	32	0.94
WS	West Side Reservoir & Pump Station	11/1/2015	CB	16.1	0.027	7.41	72	32.9	114	0.330 P	0.10	19	0.87

F = Well was *Filling* when sample was taken. P = Well was *Pumping* when sample was taken. N = Well was *Neutral* when sample was taken.



Dayne Walling
Mayor

DEPARTMENT OF UTILITIES
Water Plant & Facilities



Brent Wright
Water Plant Supervisor

December 2, 2015

Adam Rosenthal, EQA
Department of Environmental Quality
Water Bureau - Field Operations

Mr. Adam Rosenthal,

Enclosed are the results from our 2015 3rd quarter Water Quality Monitoring for the City of Flint Water Plant (WSSN 2310). If you have any questions or comments, please contact me anytime.

Thank you,

Mike Glasgow
City of Flint Water Plant
Laboratory & Water Quality Supervisor
(810)787-6537 ext. 3512
Mglasgow@cityofflint



Water Quality Monitoring
3rd Quarter 2015

SAMPLE POINT IDENTIFICATION				PARAMETERS AND RESULTS				
Distribution System Location #	Sample Point Name & Address	Sample Date	Time	Temperature (C)	Conductivity (mS)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Calcium (mg/L Ca ²⁺)
#1	Arby's 3742 Davison Rd.	9/2/2015	10:25	22.3	0.392	7.53	38	40.1
#2	BP Gas Station 822 S. Dort Hwy	9/2/2015	10:39	22.4	0.399	7.48	38	41.7
#3	Liquor Palace 3302 S. Dort Hwy	9/2/2015	10:55	23.8	0.380	7.49	46	40.1
#4	Taco Bell 3606 Corunna Rd.	9/2/2015	11:34	21.9	0.397	7.51	42	40.1
#5	University Market 2501 Flushing Rd.	9/2/2015	11:48	23.6	0.396	7.47	40	45.7
#6	Salem Housing 3216 MLK Blvd.	9/2/2015	12:16	23.8	0.404	7.76	42	40.9
#7	Rite-Aid 5018 Clio Rd.	9/2/2015	12:32	20.9	0.394	7.45	44	40.9
#8	N. Flint Automotive 6204 N. Saginaw St.	9/2/2015	12:50	22.6	0.403	7.48	46	42.5
CS	Cedar Street Reservoir & Pump Station	9/2/2015	11:16	21.9	0.398	7.41	42	40.9
WS	West Side Reservoir & Pump Station	9/2/2015	12:00	22.2	0.408	7.38	40	43.3
N/A	Russell Collection Agency 3285 Van Slyke Rd	9/30/2015	15:34	19.8	0.479	7.30	38	41.7
N/A	Southwestern Academy High School 1420 W. 12th St.	9/30/2015	15:21	22.4	0.478	7.40	40	38.5
N/A	St. Pius Church 3139 Hogarth Ave.	9/30/2015	16:06	22.7	0.478	7.46	40	41.7
N/A	Rite-Aid 3521 Corunna Rd.	9/17/2015	12:00	21.6	0.420	7.48	40	46.5
N/A	Clio Rd. Pharmacy 4902 Clio Rd.	9/17/2015	12:27	23.0	0.418	7.44	40	47.3
N/A	Tim Hortons 1274 Ballanger Hwy.	9/17/2015	12:15	22.5	0.421	7.46	40	43.3
N/A	Arby's 3559 S. Dort Hwy.	9/30/2015	12:58	20.5	0.482	7.40	42	39.3
N/A	Ya Ya's 519 S. Dort Hwy	9/30/2015	13:54	23.3	0.472	7.36	40	39.3
N/A	Taco Bell 1740 S. Dort Hwy	9/30/2015	13:09	22.1	0.479	7.42	40	41.7
N/A	Grandma's Recipe 3538 Richfield Rd.	9/30/2015	12:30	21.9	0.477	7.45	40	41.7
N/A	Flint City Hall 1101 S. Saginaw St.	9/30/2015	17:31	20.7	0.467	7.43	38	42.5
N/A	Quizzno's 3818 E. Court St.	9/30/2015	12:43	22.0	0.475	7.46	42	41.7
N/A	Whitehorse Tavern 621 W. Court St.	9/17/2015	11:48	21.8	0.424	7.44	44	47.3
N/A	Flint Public Library 1026 E. Kearsley Rd.	9/17/2015	12:48	22.8	0.425	7.69	44	40.9
N/A	Rite-Aid 3717 Fenton Rd.	9/17/2015	11:38	20.2	0.419	7.43	42	50.1



2012 4th Quarter Water Quality Monitoring Results						
SAMPLE POINT IDENTIFICATION			PARAMETERS AND RESULTS			
Distribution System Location #	Sample Point Name & Address	Sample Date	Temperature (C)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Total Phosphorous (mg/L)
#1	Arby's 3742 Davison Rd.	12/5/2012	15.0	7.49	76	1.27
#2	BP Gas Station 822 S.Dort Hwy	12/5/2012	13.6	7.44	75	1.37
#3	7-11 3302 S. Dort Hwy	12/5/2012	15.5	7.41	76	1.33
#4	Taco Bell 3606 Corunna Rd.	12/6/2012	12.1	7.56	75	1.38
#5	7-11 2501 Flushing Rd.	12/5/2012	13.1	7.43	75	1.19
#6	Salem Housing 3216 MLK Blvd.	12/5/2012	13.6	7.46	75	1.38
#7	Rite-Aid 5018 Clio Rd.	12/5/2012	15.9	7.56	77	1.24
#8	N. Flint Automotive 6204 N. Saginaw St.	12/5/2012	15.4	7.46	76	1.31
CS	Cedar Street Reservoir & Pump Station	12/5/2012	12.5	7.45	73	1.26
WS	West Side Reservoir & Pump Station	12/5/2012	10.5	7.43	73	1.21



2012 3rd Quarter Water Quality Monitoring Results						
SAMPLE POINT IDENTIFICATION			PARAMETERS AND RESULTS			
Distribution System Location #	Sample Point Name & Address	Sample Date	Temperature (C)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Total Phosphorous (mg/L)
#1	Arby's 3742 Davison Rd.	9/5/2012	23.7	7.66	76	1.13
#2	BP Gas Station 822 S.Dort Hwy	9/5/2012	23.7	7.51	75	1.22
#3	7-11 3302 S. Dort Hwy	9/5/2012	21.5	7.50	76	1.21
#4	Taco Bell 3606 Corunna Rd.	9/5/2012	22.6	7.52	74	1.23
#5	7-11 2501 Flushing Rd.	9/5/2012	25.1	7.51	76	1.19
#6	Salem Housing 3216 MLK Blvd.	9/5/2012	25.5	7.58	75	1.25
#7	Rite-Aid 5018 Clio Rd.	9/5/2012	22.1	7.56	76	1.24
#8	N. Flint Automotive 6204 N. Saginaw St.	9/5/2012	24.7	7.56	74	1.31
CS	Cedar Street Reservoir & Pump Station	9/5/2012	21.4	7.49	76	1.26
WS	West Side Reservoir & Pump Station	9/5/2012	22.3	7.49	76	1.21



Dayne Walling
Mayor

DEPARTMENT OF UTILITIES
Water Plant & Facilities



Brent Wright
Water Plant Supervisor

DEQ
RESOURCE MANAGEMENT DIVISION

JUL 13 2012

LANSING DISTRICT

July 2, 2012

Adam Rosenthal, EQA
Department of Environmental Quality
Water Bureau - Field Operations

Mr. Adam Rosenthal,

Enclosed are the 2nd quarter results from our 2012 Water Quality Monitoring for the City of Flint Water Plant (WSSN 2310). If you have any questions or comments, please contact me anytime.

Thank you,

Mike Glasgow
City of Flint Water Plant
Laboratory & Water Quality Supervisor
(810)787-6537 ext. 3512
Mglasgow@cityofflint.com



2012 2nd Quarter Water Quality Monitoring Results						
SAMPLE POINT IDENTIFICATION			PARAMETERS AND RESULTS			
Distribution System Location #	Sample Point Name & Address	Sample Date	Temperature (C)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Total Phosphorous (mg/L)
#1	McDonalds Davison Rd.	6/13/2012	19.3	7.65	74	1.29
#2	BP Gas Station Dort Hwy	6/13/2012	20.3	7.60	75	1.16
#3	7-11 S. Dort Hwy	6/13/2012	19.8	7.52	76	1.15
#4	Taco Bell Ballenger Rd.	6/13/2012	18.3	7.49	75	1.13
#5	7-11 Flushing Rd.	6/13/2012	21.1	7.52	75	1.15
#6	Salem Housing MLK Blvd.	6/13/2012	21.0	7.60	74	1.16
#7	Rite-Aid Clio Rd.	6/13/2012	18.5	7.68	74	1.13
#8	N. Flint Automotive N. Saginaw St.	6/13/2012	20.2	7.57	74	1.11
CS	Cedar Street Reservoir & Pump Station	6/12/2012	14.6	7.46	71	1.27
WS	West Side Reservoir & Pump Station	6/12/2012	15.7	7.45	73	1.10



2012 1st Quarter Water Quality Monitoring Results						
SAMPLE POINT IDENTIFICATION			PARAMETERS AND RESULTS			
Distribution System Location #	Sample Point Name & Address	Sample Date	Temperature (C)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Total Phosphorous (mg/L)
#1	McDonalds Davison Rd.	2/28/2012	11.3	7.41	78	1.13
#2	BP Gas Station Dort Hwy	2/28/2012	7.7	7.43	75	1.22
#3	7-11 S. Dort Hwy	2/28/2012	9.7	7.37	77	1.18
#4	Taco Bell Ballenger Rd.	2/28/2012	6.9	7.38	77	1.31
#5	7-11 Flushing Rd.	3/1/2012	8.5	7.35	77	1.13
#6	Salem Housing MLK Blvd.	3/1/2012	10.6	7.39	75	1.16
#7	Rite-Aid Clio Rd.	3/1/2012	9.3	7.47	76	1.19
#8	N. Flint Automotive N. Saginaw St.	3/1/2012	12.2	7.36	76	1.20
CS	Cedar Street Reservoir & Pump Station	3/1/2012	9.1	7.38	77	1.23
WS	West Side Reservoir & Pump Station	3/1/2012	6.4	7.33	78	1.20



Dayne Walling
Mayor

DEPARTMENT OF UTILITIES
Water Plant & Facilities



Brent Wright
Water Plant Supervisor

DEQ
RESOURCE MANAGEMENT DIVISION
DEC 12 2011
LANSING DISTRICT

November 22, 2011

Adam Rosenthal, EQA
Department of Environmental Quality
Water Bureau - Field Operations

Mr. Adam Rosenthal,

Enclosed are the results from our 2011 4th quarter Water Quality Monitoring for the City of Flint Water Plant (WSSN 2310). If you have any questions or comments, please contact me anytime.

Thank you,

Mike Glasgow
City of Flint Water Plant
Laboratory & Water Quality Supervisor
(810)787-6537 ext. 3512
Mglasgow@cityofflint.com



2011 4th Quarter Water Quality Monitoring Results

SAMPLE POINT IDENTIFICATION			PARAMETERS AND RESULTS			
Distribution System Location #	Sample Point Name & Address	Sample Date	Temperature (C)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Total Phosphorous (mg/L)
#1	Rite Aid 5018 Clio Rd.	11/17/2011	17.0	7.42	76	1.02
#2	7-11 2501 Flushing Rd.	11/17/2011	15.3	7.26	76	1.08
#4	Taco Bell Ballenger Rd.	11/17/2011	15.7	7.39	76	1.03
#6	7-11 3202 S. Dort Hwy	11/16/2011	15.0	7.41	76	1.02
#7	B&P Gas Station 822 S. Dort Hwy	11/16/2011	15.0	7.44	76	1.01
#9	North Flint Automotive 6204 N. Saginaw	11/16/2011	16.8	7.42	76	0.93
#10	McDonalds 3719 Davison Rd.	11/16/2011	18.1	7.55	76	1.01
#11	Salem Housing 3216 MLK Ave.	11/17/2011	14.7	7.36	76	1.00
CS	Cedar Street Reservoir & Pump Station	11/17/2011	15.1	7.32	76	1.12
WS	West Side Reservoir & Pump Station	11/17/2011	15.2	7.36	78	1.10



Dayne Walling
Mayor

DEPARTMENT OF UTILITIES
Water Plant & Facilities

DEQ
RESOURCE MANAGEMENT DIVISION

OCT 03 2011

LANSING DISTRICT



Brent Wright
Water Plant Supervisor

September 28, 2011

Adam Rosenthal, EQA
Department of Environmental Quality
Water Bureau - Field Operations

Mr. Adam Rosenthal,

Enclosed are the results from our 2011 3rd quarter Water Quality Monitoring for the City of Flint Water Plant (WSSN 2310). If you have any questions or comments, please contact me anytime.

Thank you,

Mike Glasgow
City of Flint Water Plant
Laboratory & Water Quality Supervisor
(810)787-6537 ext. 3512
Mglasgow@cityofflint.com



2011 3rd Quarter Water Quality Monitoring Results						
SAMPLE POINT IDENTIFICATION			PARAMETERS AND RESULTS			
Distribution System Location #	Sample Point Name & Address	Sample Date	Temperature (C)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Total Phosphorous (mg/L)
#1	Rite Aid 5018 Clio Rd.	8/4/2011	21.7	7.34	76	1.48
#2	7-11 2501 Flushing Rd.	8/4/2011	24.3	7.31	74	1.40
#6	7-11 3202 S. Dort Hwy	8/2/2011	22.4	7.42	76	1.37
#7	B&P Gas Station 822 S. Dort Hwy	8/2/2011	23.0	7.54	76	1.32
#8	Seymours' Food Store 4602 Western Rd.	8/2/2011	23.4	8.15	82	0.82
#9	North Flint Automotive 6204 N. Saginaw	8/4/2011	23.3	7.37	75	1.52
#10	McDonalds 3719 Davison Rd.	8/2/2011	24.2	7.56	75	1.23
#11	Salem Housing 3216 MLK Ave.	8/4/2011	23.9	7.42	72	1.44
CS	Cedar Street Reservoir & Pump Station	8/2/2011	20.0	7.39	73	1.40
WS	West Side Reservoir & Pump Station	8/2/2011	19.4	7.37	74	1.39



Dayne Walling
Mayor

DEPARTMENT OF UTILITIES
Water Plant & Facilities

Waste & Hazardous
Materials Division

MAY 13 2011
Lansing District



Brent Wright
Water Plant Supervisor

May 3, 2011

Adam Rosenthal, EQA
Department of Environmental Quality
Water Bureau - Field Operations

Mr. Adam Rosenthal,

Enclosed are the results from our 2011 2nd quarter Water Quality Monitoring for the City of Flint Water Plant (WSSN 2310). If you have any questions or comments, please contact me anytime.

Thank you,

Mike Glasgow
City of Flint Water Plant
Laboratory & Water Quality Supervisor
(810)787-6537 ext. 3512
Mglasgow@cityofflint.com



2011 2nd Quarter Water Quality Monitoring Results						
SAMPLE POINT IDENTIFICATION			PARAMETERS AND RESULTS			
Distribution System Location #	Sample Point Name & Address	Sample Date	Temperature (C)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Total Phosphorous (mg/L)
#1	Rite Aid 5018 Clio Rd.	4/21/2011	13.7	7.06	75	1.23
#2	7-11 2501 Flushing Rd.	4/21/2011	11.2	7.12	75	1.43
#3	Dentist Office 3602 Beecher Rd.	4/19/2011	7.5	7.12	72	1.28
#6	7-11 3202 S. Dort Hwy	4/19/2011	12.3	7.07	73	1.26
#7	B&P Gas Station 822 S. Dort Hwy	4/19/2011	9.5	7.10	73	1.23
#8	Seymours' Food Store 4602 Western Rd.	4/19/2011	12.9	7.23	75	1.25
#9	North Flint Automotive 6204 N. Saginaw	4/21/2011	13.8	7.09	76	1.50
#10	McDonalds 3719 Davison Rd.	4/19/2011	12.5	7.19	74	1.23
#11	Salem Housing 3216 MLK Ave.	4/21/2011	11.7	7.16	73	1.48
CS	Cedar Street Reservoir & Pump Station	4/20/2011	6.1	7.26	74	1.37
WS	West Side Reservoir & Pump Station	4/20/2011	6.9	7.26	73	1.27



Dayne Walling
Mayor

DEPARTMENT OF UTILITIES
Water Plant & Facilities

Waste & Hazardous
Materials Division

FEB 25 2011

Lansing District



Brent Wright
Water Plant Supervisor

February 15, 2011

Adam Rosenthal, EQA
Department of Environmental Quality
Water Bureau - Field Operations

Mr. Adam Rosenthal,

Enclosed are the results from our 2011 1st quarter Water Quality Monitoring for the City of Flint Water Plant (WSSN 2310). If you have any questions or comments, please contact me anytime.

Thank you,

Mike Glasgow
City of Flint Water Plant
Laboratory & Water Quality Supervisor
(810)787-6537 ext. 3512
Mglasgow@cityofflint.com



2011 1st Quarter Water Quality Monitoring Results						
SAMPLE POINT IDENTIFICATION			PARAMETERS AND RESULTS			
Distribution System Location #	Sample Point Name & Address	Sample Date	Temperature (C)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Total Phosphorous (mg/L)
#1	Rite Aid 5018 Clio Rd.	1/12/2011	12.2	7.25	72	1.20
#2	7-11 2501 Flushing Rd.	1/12/2011	8.3	7.27	70	1.42
#3	Dentist Office 3602 Beecher Rd.	1/13/2011	7.8	7.17	69	1.37
#6	7-11 3202 S. Dort Hwy	1/12/2011	8.6	7.26	70	1.23
#7	B&P Gas Station 822 S. Dort Hwy	1/12/2011	8.2	7.30	72	1.68
#8	Seymours' Food Store 4602 Western Rd.	1/12/2011	10.2	7.34	72	1.37
#9	North Flint Automotive 6204 N. Saginaw	1/12/2011	10.3	7.30	70	1.41
#10	McDonalds 3719 Davison Rd.	1/12/2011	9.4	7.36	72	1.28
#11	Salem Housing 3216 MLK Ave.	1/12/2011	8.3	7.39	70	1.32
CS	Cedar Street Reservoir & Pump Station	1/13/2011	7.3	7.31	71	1.41
WS	West Side Reservoir & Pump Station	1/13/2011	6.2	7.25	68	1.39



Dayne Walling
Mayor

DEPARTMENT OF UTILITIES
Water Plant & Facilities



Brent Wright
Water Plant Supervisor

July 2, 2015

Adam Rosenthal, EQA
Department of Environmental Quality
Water Bureau - Field Operations

DEQ
RESOURCE MANAGEMENT DIVISION

JUL 08 2015
LANSING DISTRICT

Mr. Adam Rosenthal,

Enclosed are the results from our 2015 2nd quarter Water Quality Monitoring for the City of Flint Water Plant (WSSN 2310). If you have any questions or comments, please contact me anytime.

Thank you,

Mike Glasgow
City of Flint Water Plant
Laboratory & Water Quality Supervisor
(810)787-6537 ext. 3512
Mglasgow@cityofflint



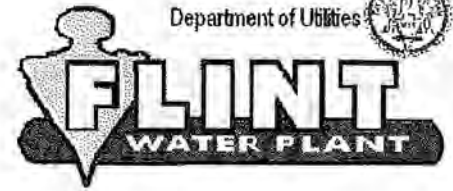
Water Quality Monitoring
2nd Quarter 2015

SAMPLE POINT IDENTIFICATION				PARAMETERS AND RESULTS				
Distribution System Location #	Sample Point Name & Address	Sample Date	Time	Temperature (C)	Conductivity (mS)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Calcium (mg/L Ca ²⁺)
#1	Arby's 3742 Davison Rd.	5/14/2015	10:17	15.1	0.475	7.53	62	62.5
#2	BP Gas Station 822 S.Dort Hwy	5/14/2015	13:32	14.7	0.471	7.51	56	60.9
#3	Liquor Palace 3302 S. Dort Hwy	5/14/2015	10:51	16.2	0.470	7.49	60	63.3
#4	Taco Bell 3606 Corunna Rd.	5/14/2015	11:25	15.2	0.471	7.52	58	61.7
#5	University Market 2501 Flushing Rd.	5/14/2015	11:42	16.5	0.480	7.48	61	64.1
#6	Salem Housing 3216 MLK Blvd.	5/14/2015	12:04	13.9	0.490	7.58	68	64.9
#7	Rite-Aid 5018 Clio Rd.	5/14/2015	12:25	11.9	0.485	7.52	64	65.7
#8	N. Flint Automotive 6204 N. Saginaw St.	5/14/2015	12:44	17.6	0.460	7.52	47	61.7
CS	Cedar Street Reservoir & Pump Station	5/12/2015	9:28	14.1	0.470	7.80	76	56.1
WS	West Side Reservoir & Pump Station	5/13/2015	10:22	17.1	0.497	7.59	70	67.3
N/A	Russell Collection Agency 3285 Van Slyke Rd	6/22/2015	12:06	19.1	0.512	7.61	77	69.7
N/A	Southwestern Academy High School 1420 W.12th St.	6/17/2015	11:14	22.3	0.523	7.66	84	70.5
N/A	Cummings Elementary School G-2200 Walton St.	6/17/2015	11:28	18.8	0.508	7.66	80	68.1
N/A	Rite-Aid 3521 Corunna Rd.	6/17/2015	11:35	19.3	0.536	7.79	92	74.5
N/A	Clio Rd. Pharmacy 4902 Clio Rd.	6/22/2015	12:30	21.4	0.498	7.69	84	66.5
N/A	Tim Hortons 1274 Ballanger Hwy.	6/17/2015	11:54	18.9	0.540	7.68	90	72.9
N/A	Arby's 3559 S. Dort Hwy.	6/15/2015	13:07	22.4	0.504	7.73	82	65.7
N/A	Ya Ya's 519 S. Dort Hwy	6/15/2015	13:17	20.4	0.506	7.70	82	68.9
N/A	Taco Bell 1740 S. Dort Hwy	6/15/2015	12:57	20.2	0.485	7.62	74	60.9
N/A	Grandma's Recipe 3538 Richfield Rd.	6/15/2015	10:27	19.3	0.496	7.61	76	64.1
N/A	Flint City Hall 1101 S. Saginaw St.	5/13/2015	10:00	18.5	0.484	7.69	68	64.9
N/A	Quizzno's 3818 E. Court St.	6/15/2015	12:45	23.6	0.495	7.73	76	64.9
N/A	Whitehorse Tavern 621 W. Court St.	6/17/2015	10:49	21.2	0.526	7.67	84	72.1
N/A	Flint Public Library 1026 E. Kearsley Rd.	6/23/2015	13:21	18.6	0.494	7.73	81	66.7
N/A	Rite-Aid 3717 Fenton Rd.	5/12/2015	9:10	17.6	0.506	7.67	80	68.9



Dayne Walling
Mayor

DEPARTMENT OF UTILITIES
Water Plant & Facilities



Brent Wright
Water Plant Supervisor

March 24, 2015

Adam Rosenthal, EQA
Department of Environmental Quality
Water Bureau - Field Operations

Mr. Adam Rosenthal,

Enclosed are the results from our 2015 1st quarter Water Quality Monitoring for the City of Flint Water Plant (WSSN 2310). If you have any questions or comments, please contact me anytime.

Thank you,

DEQ
RESOURCE MANAGEMENT DIVISION

MAR 30 2015

LANSING DISTRICT

Mike Glasgow
City of Flint Water Plant
Laboratory & Water Quality Supervisor
(810)787-6537 ext. 3512
Mglasgow@cityofflint



Water Quality Monitoring
1st Quarter 2014

DEQ
RESOURCE MANAGEMENT DIVISION

MAR 30 2015

SAMPLE POINT IDENTIFICATION				PARAMETERS AND RESULTS				
Distribution System Location #	Sample Point Name & Address	Sample Date	Time	Temperature (C)	Conductivity (mS)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Calcium (mg/L Ca ²⁺)
#1	Arby's 3742 Davison Rd.	3/4/2015	10:11	6.5	0.594	7.65	119	70.5
#2	BP Gas Station 822 S. Dort Hwy	3/4/2015	10:34	3.6	0.594	7.77	128	71.3
#3	Liquor Palace 3302 S. Dort Hwy	3/4/2015	10:51	8.7	0.604	7.83	130	70.5
#4	Taco Bell 3606 Corunna Rd.	3/4/2015	11:13	4.8	0.607	7.87	128	72.1
#5	University Market 2501 Flushing Rd.	3/4/2015	11:28	3.5	0.618	7.85	124	75.4
#6	Salem Housing 3216 MLK Blvd.	3/4/2015	12:31	10.3	0.573	7.95	116	65.7
#7	Rite-Aid 5018 Clio Rd.	3/4/2015	12:46	8.1	0.602	7.93	128	77.0
#8	N. Flint Automotive 6204 N. Saginaw St.	3/4/2015	13:05	12.8	0.584	7.84	132	73.7
CS	Cedar Street Reservoir & Pump Station	3/17/2015	10:45	7.8	0.570	7.86	114	73.7
WS	West Side Reservoir & Pump Station	3/4/2015	11:49	1.9	0.609	7.86	120	77.8
N/A	Russell Collection Agency 3285 Van Slyke Rd	3/6/2015	9:49	6.4	0.540	7.69	110	81.0
N/A	Southwestern Academy High School 1420 W. 12th St.	3/11/2015	11:08	19.7	0.630	7.99	128	80.2
N/A	Cummings Elementary School G-2200 Walton St.	3/11/2015	11:23	7.1	0.569	7.81	128	83.4
N/A	Rite-Aid 3521 Corunna Rd.	3/10/2015	11:10	8.4	0.596	7.88	130	78.6
N/A	Clio Rd. Pharmacy 4902 Clio Rd.	3/5/2015	11:55	7.7	0.611	7.80	128	85.6
N/A	Tim Hortons 1274 Ballanger Hwy.	3/5/2015	11:06	5.3	0.620	7.76	124	82.6
N/A	Arby's 3559 S. Dort Hwy.	3/5/2015	10:36	11.0	0.629	7.80	130	83.4
N/A	Ya Ya's 519 S. Dort Hwy	3/13/2015	10:31	14.8	0.603	7.77	134	84.2
N/A	Taco Bell 1740 S. Dort Hwy	3/13/2015	10:41	4.7	0.586	7.77	134	84.2
N/A	Grandma's Recipe 3538 Richfield Rd.	3/5/2015	9:45	6.5	0.580	7.73	130	84.2
N/A	Flint City Hall 1101 S. Saginaw St.	3/6/2015	10:33	14.1	0.630	7.71	136	83.4
N/A	Quizzno's 3818 E. Court St.	3/12/2015	11:03	7.9	0.572	7.93	122	87.4
N/A	Whitehorse Tavern 621 W. Court St.	3/6/2015	10:12	9.1	0.634	7.60	134	84.2
N/A	Flint Public Library 1026 E. Kearsley Rd.	3/6/2015	10:56	20.7	0.606	7.85	126	81.8
N/A	Rite-Aid 3717 Fenton Rd.	3/10/2015	10:53	9.6	0.623	7.84	126	75.4

(7.8 Avg)



Dayne Walling
Mayor

DEPARTMENT OF UTILITIES
Water Plant & Facilities



Brent Wright
Water Plant Supervisor

December 21, 2014

Adam Rosenthal, EQA
Department of Environmental Quality
Water Bureau - Field Operations

DEQ
RESOURCE MANAGEMENT DIVISION

JAN 08 2015

LANSING DISTRICT

Mr. Adam Rosenthal,

Enclosed are the results from our 2014 4th quarter Water Quality Monitoring for the City of Flint Water Plant (WSSN 2310). If you have any questions or comments, please contact me anytime.

Thank you,

Mike Glasgow
City of Flint Water Plant
Laboratory & Water Quality Supervisor
(810)787-6537 ext. 3512
Mglasgow@cityofflint



Water Quality Monitoring

4th Quarter 2014

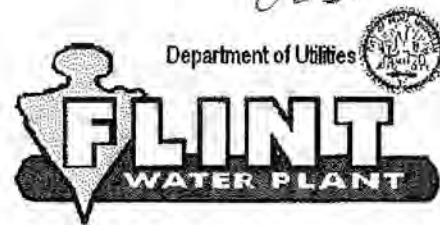
SAMPLE POINT IDENTIFICATION				PARAMETERS AND RESULTS				
Distribution System Location #	Sample Point Name & Address	Sample Date	Time	Temperature (C)	Conductivity (mS)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Calcium (mg/L Ca ²⁺)
#1	Arby's 3742 Davison Rd.	11/25/2014	10:40	16.8	0.465	7.96	114	58.5
#2	BP Gas Station 822 S. Dort Hwy	11/25/2014	10:53	14.9	0.421	7.99	114	60.9
#3	Liquor Palace 3302 S. Dort Hwy	11/25/2014	11:08	11.6	0.461	7.98	118	59.3
#4	Taco Bell 3606 Corunna Rd.	11/25/2014	11:49	17.4	0.479	7.99	118	60.1
#5	University Market 2501 Flushing Rd.	11/25/2014	12:08	15.6	0.442	7.90	116	63.3
#6	Salem Housing 3216 MLK Blvd.	11/25/2014	12:34	15.0	0.437	7.85	104	58.5
#7	Rite-Aid 5018 Clio Rd.	11/25/2014	13:00	16.1	0.448	7.99	118	62.5
#8	N. Flint Automotive 6204 N. Saginaw St.	11/25/2014	13:14	16.1	0.488	8.00	114	59.3
CS	Cedar Street Reservoir & Pump Station	11/25/2014	11:25	11.1	0.442	7.99	108	60.9
WS	West Side Reservoir & Pump Station	11/25/2014	12:18	9.1	0.449	7.96	114	59.3
N/A	Russell Collection Agency 3285 Van Slyke Rd	12/2/2014	11:35	12.2	0.372	7.67	100	64.1
N/A	Southwestern Academy High School 1420 W. 12th St.	12/2/2014	11:23	12.7	0.352	7.71	100	65.7
N/A	Cummings Elementary School G-2200 Walton St.	12/2/2014	11:51	11.2	0.382	7.65	108	64.1
N/A	Rite-Aid 3521 Corunna Rd.	11/28/2014	12:37	13.2	0.405	8.03	106	55.3
N/A	Clio Rd. Pharmacy 4902 Clio Rd.	12/2/2014	13:00	13.4	0.356	7.62	100	65.7
N/A	Tim Hortons 1274 Ballanger Hwy.	11/28/2014	12:58	11.7	0.404	7.95	106	50.5
N/A	Arby's 3559 S. Dort Hwy.	11/26/2014	11:07	15.5	0.443	7.87	108	68.1
N/A	Ya Ya's 519 S. Dort Hwy	11/26/2014	10:33	12.2	0.424	7.95	106	66.5
N/A	Taco Bell 1740 S. Dort Hwy	11/26/2014	10:50	9.5	0.414	7.86	108	64.1
N/A	Grandma's Recipe 3538 Richfield Rd.	11/26/2014	9:55	15.3	0.426	7.68	114	65.7
N/A	Flint City Hall 1101 S. Saginaw St.	12/3/2014	10:00	15.7	0.404	7.84	98	61.7
N/A	Quizzno's 3818 E. Court St.	11/26/2014	10:19	11.5	0.421	7.88	122	68.1
N/A	Whitehorse Tavern 621 W. Court St.	11/28/2014	12:00	12.0	0.405	8.10	104	56.9
N/A	Flint Public Library 1026 E. Kearsley Rd.	12/3/2014	11:00	18.4	0.449	7.76	100	59.3
N/A	Rite-Aid 3717 Fenton Rd.	11/28/2014	11:48	10.5	0.407	7.88	102	56.1

7.88 Ave



Dayne Walling
Mayor

DEPARTMENT OF UTILITIES
Water Plant & Facilities



Brent Wright
Water Plant Supervisor

August 25, 2014

Adam Rosenthal, EQA
Department of Environmental Quality
Water Bureau - Field Operations

Mr. Adam Rosenthal,

Enclosed are the results from our 2014 3rd quarter Water Quality Monitoring for the City of Flint Water Plant (WSSN 2310). We have added 15 sites to the 10 routine distribution sites to obtain a total of 25 samples. If you have any questions or comments, please contact me anytime.

Thank you,

DEQ
RESOURCE MANAGEMENT DIVISION

SEP 02 2014

LANSING DISTRICT

Mike Glasgow
City of Flint Water Plant
Laboratory & Water Quality Supervisor
(810)787-6537 ext. 3512
Mglasgow@cityofflint



Water Quality Monitoring

3rd Quarter 2014

SAMPLE POINT IDENTIFICATION				PARAMETERS AND RESULTS				
Distribution System Location #	Sample Point Name & Address	Sample Date	Time	Temperature (C)	Conductivity (mS)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Calcium (mg/L Ca ²⁺)
#1	Arby's 3742 Davison Rd.	8/8/2014	10:36	23.0	0.388	7.74	60	49.7
#2	BP Gas Station 822 S.Dort Hwy	8/8/2014	10:49	23.9	0.372	7.76	70	52.1
#3	Liquor Palace 3302 S. Dort Hwy	8/6/2014	11:00	23.8	0.369	7.65	72	51.3
#4	Taco Bell 3606 Corunna Rd.	8/6/2014	11:34	26.8	0.359	7.69	74	53.7
#5	University Market 2501 Flushing Rd.	8/6/2014	11:47	26.5	0.383	7.56	80	56.9
#6	Salem Housing 3216 MLK Blvd.	8/6/2014	12:09	27.3	0.350	7.73	70	49.7
#7	Rite-Aid 5018 Clio Rd.	8/8/2014	10:22	20.9	0.387	7.74	78	50.5
#8	N. Flint Automotive 6204 N. Saginaw St.	8/6/2014	12:38	25.5	0.363	7.83	72	52.9
CS	Cedar Street Reservoir & Pump Station	8/6/2014	11:16	25.5	0.395	7.69	78	54.5
WS	West Side Reservoir & Pump Station	8/6/2014	11:57	26.5	0.406	7.56	82	52.1
N/A	Russell Collection Agency 3285 Van Slyke Rd	8/8/2014	11:12	25.6	0.370	7.78	74	55.3
N/A	Southwestern Academy High School 1420 W. 12th St.	8/8/2014	11:42	26.7	0.403	7.82	86	59.3
N/A	Cummings Elementary School G-2200 Walton St.	8/8/2014	11:00	25.8	0.359	7.62	76	53.7
N/A	Rite-Aid 3521 Corunna Rd.	8/8/2014	10:47	23.0	0.390	7.86	86	56.1
N/A	Kroger 2829 W. Pierson Rd.	8/8/2014	12:24	27.3	0.370	7.76	88	58.5
N/A	Tim Hortons 1274 Ballanger Hwy.	8/8/2014	10:35	21.9	0.411	7.73	86	56.1
N/A	Arby's 3559 S. Dort Hwy.	8/5/2014	11:19	23.1	0.401	7.63	88	61.7
N/A	Ya Ya's 519 S. Dort Hwy	8/5/2014	10:57	23.7	0.392	7.60	90	60.1
N/A	Taco Bell 1740 S. Dort Hwy	8/5/2014	11:09	23.2	0.412	7.60	90	60.9
N/A	Grandma's Recipe 3538 Richfield Rd.	8/5/2014	10:28	23.1	0.406	7.69	88	61.7
N/A	Flint City Hall 1101 S. Saginaw St.	8/5/2014	11:35	23.0	0.396	7.75	88	56.9
N/A	Quizzno's 3818 E. Court St.	8/5/2014	10:48	23.3	0.415	7.67	86	60.1
N/A	Whitehorse Tavern 621 W. Court St.	8/8/2014	11:53	26.1	0.390	7.81	78	57.7
N/A	Flint Public Library 1026 E. Kearsley Rd.	8/8/2014	11:45	22.2	0.446	7.82	82	64.1
N/A	Rite-Aid 3717 Fenton Rd.	8/8/2014	11:30	22.0	0.394	7.78	88	58.5

(7.71 Avg)



Dayne Walling
Mayor

DEPARTMENT OF UTILITIES
Water Plant & Facilities



Brent Wright
Water Plant Supervisor

April 16, 2014

Adam Rosenthal, EQA
Department of Environmental Quality
Water Bureau - Field Operations

DEQ
RESOURCE MANAGEMENT DIVISION
APR 29 2014
LANSING DISTRICT

Mr. Adam Rosenthal,

Enclosed are the results from our 2014 2nd quarter Water Quality Monitoring for the City of Flint Water Plant (WSSN 2310). If you have any questions or comments, please contact me anytime.

Thank you,

Mike Glasgow
City of Flint Water Plant
Laboratory & Water Quality Supervisor
(810)787-6537 ext. 3512
Mglasgow@cityofflint.com



2014 2nd Quarter Water Quality Monitoring Results

SAMPLE POINT IDENTIFICATION			PARAMETERS AND RESULTS			
Distribution System Location #	Sample Point Name & Address	Sample Date	Temperature (C)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Total Phosphorous (mg/L)
#1	Arby's 3742 Davison Rd.	4/9/2014	8.9	7.59	76	1.03
#2	BP Gas Station 822 S.Dort Hwy	4/9/2014	7.5	7.57	77	1.12
#3	Liquor Palace 3302 S. Dort Hwy	4/9/2014	13.9	7.44	76	1.13
#4	Taco Bell 3606 Corunna Rd.	4/9/2014	8.3	7.44	76	1.09
#5	University Market 2501 Flushing Rd.	4/9/2014	8.7	7.42	76	1.07
#6	Salem Housing 3216 MLK Blvd.	4/9/2014	15.7	7.48	77	1.06
#7	Rite-Aid 5018 Clio Rd.	4/9/2014	8.8	7.50	77	1.07
#8	N. Flint Automotive 6204 N. Saginaw St.	4/9/2014	15.6	7.46	76	1.09
CS	Cedar Street Reservoir & Pump Station	4/9/2014	5.9	7.50	76	1.08
WS	West Side Reservoir & Pump Station	4/9/2014	6.7	7.47	76	1.10



Dayne Walling
Mayor

DEPARTMENT OF UTILITIES
Water Plant & Facilities



Brent Wright
Water Plant Supervisor

February 3, 2014

Adam Rosenthal, EQA
Department of Environmental Quality
Water Bureau - Field Operations

DEQ
RESOURCE MANAGEMENT DIVISION

FEB 25 2014

LANSING DISTRICT

Mr. Adam Rosenthal,

Enclosed are the results from our 2014 1st quarter Water Quality Monitoring for the City of Flint Water Plant (WSSN 2310). If you have any questions or comments, please contact me anytime.

Thank you,

Mike Glasgow
City of Flint Water Plant
Laboratory & Water Quality Supervisor
(810)787-6537 ext. 3512
Mglasgow@cityofflint.com



2014 1st Quarter Water Quality Monitoring Results						
SAMPLE POINT IDENTIFICATION			PARAMETERS AND RESULTS			
Distribution System Location #	Sample Point Name & Address	Sample Date	Temperature (C)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Total Phosphorous (mg/L)
#1	Arby's 3742 Davison Rd.	1/29/2014	8.4	7.48	72	1.12
#2	BP Gas Station 822 S.Dort Hwy	1/29/2014	7.4	7.46	71	1.17
#3	Liquor Palace 3302 S. Dort Hwy	1/29/2014	10.0	7.40	73	1.04
#4	Taco Bell 3606 Corunna Rd.	1/29/2014	7.9	7.44	72	1.17
#5	University Market 2501 Flushing Rd.	1/29/2014	6.4	7.47	74	1.16
#6	Salem Housing 3216 MLK Blvd.	1/29/2014	9.2	7.44	72	1.12
#7	Rite-Aid 5018 Clio Rd.	1/29/2014	7.9	7.54	73	1.05
#8	N. Flint Automotive 6204 N. Saginaw St.	1/29/2014	10.7	7.44	73	1.10
CS	Cedar Street Reservoir & Pump Station	1/29/2014	8.3	7.53	73	1.09
WS	West Side Reservoir & Pump Station	1/29/2014	7.1	7.48	72	1.12

DEQ
RESOURCE MANAGEMENT DIVISION

FEB 25 2014

LANSING DISTRICT



Dayne Walling
Mayor

DEPARTMENT OF UTILITIES
Water Plant & Facilities



Brent Wright
Water Plant Supervisor

November 20, 2013

Adam Rosenthal, EQA
Department of Environmental Quality
Water Bureau - Field Operations

DEQ
RESOURCE MANAGEMENT DIVISION

NOV 25 2013

LANSING DISTRICT

Mr. Adam Rosenthal,

Enclosed are the results from our 2013 4th quarter Water Quality Monitoring for the City of Flint Water Plant (WSSN 2310). If you have any questions or comments, please contact me anytime.

Thank you,

Mike Glasgow
City of Flint Water Plant
Laboratory & Water Quality Supervisor
(810)787-6537 ext. 3512
Mglasgow@cityofflint.com



2013 4th Quarter Water Quality Monitoring Results

SAMPLE POINT IDENTIFICATION			PARAMETERS AND RESULTS			
Distribution System Location #	Sample Point Name & Address	Sample Date	Temperature (C)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Total Phosphorous (mg/L)
#1	Arby's 3742 Davison Rd.	11/13/2013	17.3	7.49	76	1.00
#2	BP Gas Station 822 S.Dort Hwy	11/13/2013	15.0	7.52	74	1.15
#3	7-11 3302 S. Dort Hwy	11/13/2013	14.9	7.45	74	1.02
#4	Taco Bell 3606 Corunna Rd.	11/13/2013	14.6	7.47	73	1.06
#5	7-11 2501 Flushing Rd.	11/13/2013	15.3	7.48	74	1.03
#6	Salem Housing 3216 MLK Blvd.	11/13/2013	16.9	7.45	74	1.02
#7	Rite-Aid 5018 Clio Rd.	11/13/2013	16.6	7.53	77	1.10
#8	N. Flint Automotive 6204 N. Saginaw St.	11/13/2013	18.8	7.49	75	1.04
CS	Cedar Street Reservoir & Pump Station	11/13/2013	17.8	7.53	76	1.10
WS	West Side Reservoir & Pump Station	11/13/2013	16.1	7.50	75	1.21

DEQ
RESOURCE MANAGEMENT DIVISION

NOV 25 2013

LANSING DISTRICT



Dayne Walling
Mayor

DEPARTMENT OF UTILITIES
Water Plant & Facilities



Brent Wright
Water Plant Supervisor

September 9, 2013

Adam Rosenthal, EQA
Department of Environmental Quality
Water Bureau - Field Operations

DEQ
RESOURCE MANAGEMENT DIVISION

OCT 10 2013

LANSING DISTRICT

Mr. Adam Rosenthal,

Enclosed are the results from our 2013 3rd quarter Water Quality Monitoring for the City of Flint Water Plant (WSSN 2310). If you have any questions or comments, please contact me anytime.

Thank you,

Mike Glasgow
City of Flint Water Plant
Laboratory & Water Quality Supervisor
(810)787-6537 ext. 3512
Mglasgow@cityofflint.com



2013 3rd Quarter Water Quality Monitoring Results

SAMPLE POINT IDENTIFICATION			PARAMETERS AND RESULTS			
Distribution System Location #	Sample Point Name & Address	Sample Date	Temperature (C)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Total Phosphorous (mg/L)
#1	Arby's 3742 Davison Rd.	9/4/2013	22.6	7.76	74	1.15
#2	BP Gas Station 822 S.Dort Hwy	9/4/2013	23.6	7.58	75	1.16
#3	7-11 3302 S. Dort Hwy	9/4/2013	21.3	7.58	74	1.18
#4	Taco Bell 3606 Corunna Rd.	9/4/2013	21.8	7.52	75	1.23
#5	7-11 2501 Flushing Rd.	9/4/2013	24.4	7.53	75	1.08
#6	Salem Housing 3216 MLK Blvd.	9/4/2013	22.7	7.57	75	1.06
#7	Rite-Aid 5018 Clio Rd.	9/4/2013	22.2	7.75	76	1.10
#8	N. Flint Automotive 6204 N. Saginaw St.	9/4/2013	23.1	7.54	76	1.14
CS	Cedar Street Reservoir & Pump Station	9/4/2013	20.9	7.57	74	1.12
WS	West Side Reservoir & Pump Station	9/4/2013	21.4	7.52	75	1.15



Dayne Walling
Mayor

DEPARTMENT OF UTILITIES
Water Plant & Facilities



Brent Wright
Water Plant Supervisor

June 3, 2013

Adam Rosenthal, EQA
Department of Environmental Quality
Water Bureau - Field Operations

DEQ
RESOURCE MANAGEMENT DIVISION

JUN 07 2013

LANSING DISTRICT

Mr. Adam Rosenthal,

Enclosed are the results from our 2013 2nd quarter Water Quality Monitoring for the City of Flint Water Plant (WSSN 2310). If you have any questions or comments, please contact me anytime.

Thank you,

Mike Glasgow
City of Flint Water Plant
Laboratory & Water Quality Supervisor
(810)787-6537 ext. 3512
Mglasgow@cityofflint.com



2013 2nd Quarter Water Quality Monitoring Results						
SAMPLE POINT IDENTIFICATION			PARAMETERS AND RESULTS			
Distribution System Location #	Sample Point Name & Address	Sample Date	Temperature (C)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Total Phosphorous (mg/L)
#1	Arby's 3742 Davison Rd.	5/1/2013	16.7	7.62	73	0.87
#2	BP Gas Station 822 S.Dort Hwy	5/1/2013	14.6	7.45	74	1.01
#3	7-11 3302 S. Dort Hwy	5/1/2013	14.1	7.38	74	1.02
#4	Taco Bell 3606 Corunna Rd.	5/1/2013	10.8	7.38	73	0.90
#5	7-11 2501 Flushing Rd.	5/1/2013	12.1	7.40	74	0.93
#6	Salem Housing 3216 MLK Blvd.	5/1/2013	12.7	7.40	73	0.85
#7	Rite-Aid 5018 Clio Rd.	5/1/2013	12.5	7.50	74	0.94
#8	N. Flint Automotive 6204 N. Saginaw St.	5/1/2013	16.3	7.41	73	0.81
CS	Cedar Street Reservoir & Pump Station	5/1/2013	10.5	7.47	75	0.86
WS	West Side Reservoir & Pump Station	5/1/2013	10.4	7.36	74	0.85

DEQ
RESOURCE MANAGEMENT DIVISION

JUN 07 2013

LANSING DISTRICT



Dayne Walling
Mayor

DEPARTMENT OF UTILITIES
Water Plant & Facilities



Brent Wright
Water Plant Supervisor

DEQ
RESOURCE MANAGEMENT DIVISION

MAR 11 2013
LANSING DISTRICT

March 4, 2013

Adam Rosenthal, EQA
Department of Environmental Quality
Water Bureau - Field Operations

Mr. Adam Rosenthal,

Enclosed are the results from our 2013 1st quarter Water Quality Monitoring for the City of Flint Water Plant (WSSN 2310). If you have any questions or comments, please contact me anytime.

Thank you,

Mike Glasgow
City of Flint Water Plant
Laboratory & Water Quality Supervisor
(810)787-6537 ext. 3512
Mglasgow@cityofflint.com


 DEQ
 RESOURCE MANAGEMENT DIVISION

MAR 11 2013

LANSING DISTRICT

2013 1st Quarter Water Quality Monitoring Results						
SAMPLE POINT IDENTIFICATION			PARAMETERS AND RESULTS			
Distribution System Location #	Sample Point Name & Address	Sample Date	Temperature (C)	pH (su)	Total Alkalinity (mg/L CaCO ₃)	Total Phosphorous (mg/L)
#1	Arby's 3742 Davison Rd.	2/27/2013	11.1	7.43	76	1.05
#2	BP Gas Station 822 S.Dort Hwy	2/27/2013	8.1	7.35	75	1.15
#3	7-11 3302 S. Dort Hwy	2/27/2013	11.1	7.31	73	1.21
#4	Taco Bell 3606 Corunna Rd.	2/27/2013	7.0	7.33	74	1.28
#5	7-11 2501 Flushing Rd.	2/27/2013	6.4	7.33	73	1.09
#6	Salem Housing 3216 MLK Blvd.	2/27/2013	10.3	7.38	74	0.96
#7	Rite-Aid 5018 Clio Rd.	2/27/2013	10.1	7.45	74	1.05
#8	N. Flint Automotive 6204 N. Saginaw St.	2/27/2013	14.3	7.33	75	1.10
CS	Cedar Street Reservoir & Pump Station	2/27/2013	8.4	7.42	73	1.03
WS	West Side Reservoir & Pump Station	2/27/2013	8.1	7.35	72	1.19