CITY of FLINT WATER TREATMENT PLANT MONTHLY OPERATION REPORT

SUPPLY NAME: CITY of FLINT WATER PLANT
WSSN: 2310

Michael Glasgow	**July 2015**
Operator-in-Charge	Month/Year
F-1R, F-2	**F-1**
Certification of Operator-in-Charge	Water Plant Classification
Michael Glasgow	**Genesee**
Signature of Operator-in-Charge	County

Treatment Rate and Filter Data

Maximum Treatment Rate:	**18.5**	Million Gallons per Day	
Rated Plant Capacity:	**36**	Million Gallons per Day	
Average Filter Run:	**124**	Hours	
Average Head Loss:	**n/a**	Feet	*(filter head loss meters not operational)
Average Filtration Rate:	**2.5**	Gallons Per Square Feet per Minute	
Maximum Filtration Rate:	**3.3**	Gallons Per Square Feet per Minute	
Average Wash Water Use:	**1.0%**	Percent of Treated Water	

Chemical Data

Chlorine on hand:	**24,000**	lb.	Est. supply:	**28**	days
Primary Coagulant (Ferric Chloride) on hand:	**153,000**	lb.	Est. supply:	**10**	days
Lime (CaO) on hand:	**197**	tons	Est. supply:	**17**	days
Fluoride on Hand:	**6,000**	lb.	Est. supply:	**13**	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.

Date	Million Gallons Treated	Ozone Dosage (mg/L)	Ferric as Fe^{3+} mg/L	Lime Dosage (mg/L)	PW-340 Catioinc Polymer Dosage (mg/L)	P-142PWG Anionic Polymer Dosage (mg/L)	Turbidity, Units				
							Raw			Plate Settler	Applied
							Number of Samples	Avg.	Max.	Effluent Avg.	Applied Avg.
1	14.3	4.3	16.6	125.6	5.0	0.64	7	29.1	66.3	5.14	2.17
2	14.1	3.6	19.1	126.5	5.1	0.64	7	26.5	50.4	5.18	1.47
3	14.5	3.8	18.6	131.9	5.0	0.64	8	18.4	47.8	5.91	2.03
4	14.6	3.2	17.8	129.1	4.9	0.63	8	28.6	107.0	7.01	2.18
5	14.5	3.6	17.9	127.3	5.0	0.65	8	32.1	14.6	6.42	1.66
6	14.6	3.9	17.7	122.6	4.7	0.75	7	22.5	12.1	4.54	2.00
7	15.9	3.1	14.6	113.6	4.2	0.71	7	16.3	38.7	1.69	2.88
8	16.1	4.2	16.6	126.9	4.3	0.69	7	12.0	10.2	2.43	1.48
9	18.1	4.3	15.1	105.1	3.8	0.62	7	17.6	51.9	2.43	1.85
10	17.7	4.4	14.8	116.1	4.2	0.67	7	25.6	88.6	2.24	1.67
11	17.1	4.1	16.5	109.7	4.3	0.68	7	14.8	30.6	2.13	1.54
12	14.9	3.9	16.0	114.4	4.3	0.79	7	11.0	23.8	2.78	1.33
13	14.8	3.9	13.9	116.8	4.5	0.84	7	11.2	34.6	2.13	0.96
14	15.0	3.4	13.0	113.0	4.4	0.74	7	13.2	21.1	2.62	1.41
15	14.6	4.0	13.8	123.4	4.5	0.80	7	39.4	122.0	2.47	1.50
16	14.5	4.1	13.9	120.8	4.5	0.75	7	27.0	126.0	2.14	1.83
17	14.7	3.8	13.1	127.3	4.5	0.82	7	18.0	73.9	1.70	1.62
18	14.3	4.7	13.8	154.2	4.6	0.86	7	14.8	44.6	3.03	1.97
19	14.3	4.2	14.0	177.9	5.0	0.88	7	23.3	109.0	2.55	1.51
20	14.3	4.7	13.3	171.8	5.0	0.83	7	27.9	139.0	2.71	1.65
21	14.6	4.4	13.7	172.3	4.9	0.86	7	29.2	146.0	2.52	1.49
22	15.3	4.5	16.0	203.7	4.7	0.82	7	25.1	89.1	4.17	1.50
23	15.8	4.0	18.8	158.9	4.7	0.80	7	22.2	68.3	4.94	1.99
24	14.5	1.2	19.8	166.3	5.3	0.82	7	15.7	31.9	7.01	1.94
25	13.6	0.0	24.3	195.2	5.5	0.88	7	22.8	81.4	8.62	2.00
26	13.6	0.0	23.4	194.1	5.6	0.90	7	28.6	139.0	7.85	1.79
27	13.9	0.0	23.1	194.9	5.4	0.86	7	18.3	63.5	7.24	1.93
28	13.8	0.0	22.7	195.9	5.4	0.91	7	31.6	165.0	5.89	1.13
29	14.3	0.0	22.2	198.8	5.2	0.82	7	20.0	73.4	4.91	1.61
30	14.7	0.4	21.0	180.6	5.1	0.83	7	16.5	46.3	5.14	1.22
31	15.8	4.2	18.5	181.8	4.9	0.94	7	8.0	9.1	3.97	1.22
Avg.	14.9	3.2	17.2	148.3	4.8	0.78	7	21.5			1.69
Max.	18.1	4.7	24.3	203.7	5.6	0.94	8	39.4	165	8.62	2.88
Min.	13.6	0.0	13.0	105.1	3.8	0.62	7	8.0			0.96
Total	462.8										

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Date	Turbidity, Units												
	Confluence Point. No.1 (N) North						Confluence Point. No.2 (S) South						Point of Entry
	Number of Samples	Avg.	Max	No. of 4 Hr. Compliance periods	No. of 4 Hr. Compliance periods >0.3 NTU	No. of Samples >0.3 NTU	Number of Samples	Avg.	Max	No. of 4 Hr. Compliance periods	No. of 4 Hr. Compliance periods >0.3 NTU	No. of Samples >0.3 NTU	Plant Tap NTU
1	7	0.10	0.13	6	0	0	7	0.09	0.12	6	0	0	0.11
2	7	0.11	0.15	6	0	0	7	0.09	0.12	6	0	0	0.09
3	8	0.09	0.11	6	0	0	8	0.09	0.11	6	0	0	0.13
4	8	0.09	0.13	6	0	0	8	0.08	0.09	6	0	0	0.11
5	8	0.08	0.09	6	0	0	8	0.08	0.11	6	0	0	0.09
6	7	0.09	0.12	6	0	0	7	0.08	0.09	6	0	0	0.10
7	7	0.10	0.12	6	0	0	7	0.09	0.10	6	0	0	0.10
8	6	0.11	0.13	6	0	0	6	0.10	0.11	6	0	0	0.09
9	7	0.11	0.15	6	0	0	7	0.10	0.10	6	0	0	0.11
10	7	0.11	0.11	6	0	0	7	0.10	0.12	6	0	0	0.12
11	7	0.12	0.25	6	0	0	7	0.11	0.13	6	0	0	0.10
12	6	0.08	0.11	6	0	0	6	0.10	0.13	6	0	0	0.08
13	7	0.10	0.11	6	0	0	7	0.10	0.12	6	0	0	0.10
14	7	0.18	0.31	6	1	1	7	0.11	0.11	6	0	0	0.11
15	7	0.14	0.20	6	0	0	7	0.12	0.16	6	0	0	0.13
16	7	0.14	0.20	6	0	0	7	0.12	0.15	6	0	0	0.12
17	7	0.13	0.15	6	0	0	7	0.12	0.14	6	0	0	0.18
18	7	0.14	0.20	6	0	0	7	0.12	0.16	6	0	0	0.15
19	7	0.16	0.19	6	0	0	7	0.14	0.18	6	0	0	0.18
20	7	0.13	0.18	6	0	0	7	0.12	0.16	6	0	0	0.12
21	7	0.14	0.17	6	0	0	7	0.14	0.19	6	0	0	0.12
22	7	0.15	0.20	6	0	0	7	0.15	0.19	6	0	0	0.16
23	7	0.14	0.18	6	0	0	7	0.13	0.15	6	0	0	0.15
24	7	0.17	0.19	6	0	0	7	0.17	0.20	6	0	0	0.16
25	7	0.17	0.19	6	0	0	7	0.16	0.19	6	0	0	0.14
26	7	0.14	0.17	6	0	0	7	0.13	0.15	6	0	0	0.13
27	7	0.16	0.22	6	0	0	7	0.15	0.21	6	0	0	0.16
28	7	0.15	0.16	6	0	0	7	0.14	0.16	6	0	0	0.13
29	7	0.13	0.17	6	0	0	7	0.12	0.13	6	0	0	0.12
30	7	0.12	0.14	6	0	0	7	0.13	0.16	6	0	0	0.13
31	7	0.08	0.10	6	0	0	7	0.10	0.13	6	0	0	0.12
Avg.	7	0.12	0.16	6	0	0	7	0.11	0.14	6	0	0	
Max.	8	0.18	0.31	6	1	1	8	0.17	0.21	6	0	0	0.18
Min.	6	0.08	0.09	6	0	0	6	0.08	0.09	6	0	0	

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Date	Fluoriode Applied as F- mg/L	Fluoride Analysis (mg/L)			Chlorine Application (mg/L)			Chlorine Residual (mg/L)					
					Intermediate Chlorine	Post Chlorine	Total Chlorine	Filtered		3 MG Well		Tap	
		Raw	Tap	Dist.				Free	Total	Free	Total	Free	Total
1	0.5	0.17	0.68	0.72	3.2	3.6	6.8	0.5	0.7	2.3	2.7	2.0	2.4
2	0.5	0.18	0.68		3.0	3.3	6.3	0.5	0.8	2.5	2.8	2.4	2.7
3	0.5	0.19	0.66		3.1	3.8	6.9	0.3	0.5	2.1	2.5	1.9	2.2
4	0.5	0.19	0.75		3.2	3.6	6.8	0.2	0.4	2.0	2.3	2.0	2.3
5	0.6	0.20	0.84		3.3	3.3	6.6	0.4	0.7	2.2	2.5	2.1	2.4
6	0.5	0.17	0.72		3.3	3.3	6.6	0.3	0.6	2.0	2.3	2.0	2.3
7	0.5	0.19	0.66		3.2	3.7	6.9	0.3	0.5	1.8	2.1	1.8	2.1
8	0.5	0.18	0.66		3.3	3.4	6.7	0.3	0.6	1.7	2.1	1.8	2.2
9	0.5	0.18	0.73	0.69	3.4	3.6	7.0	0.2	0.5	2.0	2.3	2.0	2.3
10	0.6	0.20	0.74		3.8	3.8	7.6	0.2	0.5	2.1	2.5	2.0	2.4
11	0.6	0.19	0.74		3.9	2.9	6.8	0.3	0.5	2.3	2.6	2.2	2.5
12	0.6	0.20	0.80		4.5	3.3	7.8	0.5	1.0	2.4	2.6	2.6	3.0
13	0.6	0.18	0.67		4.8	3.7	8.5	0.2	0.4	2.1	2.5	2.2	2.6
14	0.6	0.18	0.73		4.8	3.5	8.3	0.4	0.6	2.2	2.5	2.3	2.6
15	0.7	0.18	0.73		4.8	3.7	8.5	0.7	1.1	2.1	2.5	2.0	2.4
16	0.7	0.18	0.78		4.6	3.7	8.3	0.4	0.6	2.5	2.9	2.2	2.5
17	0.7	0.22	0.77		4.6	3.8	8.4	0.3	0.5	2.1	2.4	1.9	2.3
18	0.7	0.20	0.76		4.7	3.9	8.6	0.4	0.6	2.6	2.9	2.2	2.5
19	0.7	0.19	0.76		4.7	3.7	8.4	0.4	0.6	2.5	3.0	2.4	2.8
20	0.7	0.19	0.74		4.6	3.6	8.2	0.4	0.6	2.4	2.8	2.4	2.8
21	0.7	0.19	0.82		4.5	3.7	8.2	0.3	0.5	2.5	3.0	2.5	3.0
22	0.6	0.19	0.78		4.3	3.7	8.0	0.4	0.7	2.6	3.0	0.6	0.9
23	0.6	0.20	0.78	0.75	4.3	3.3	7.6	0.4	0.6	2.6	3.0	2.6	3.0
24	0.6	0.18	0.72		4.7	3.4	8.1	0.3	0.5	1.7	2.1	0.7	1.1
25	0.6	0.20	0.76		5.0	3.6	8.6	0.5	0.8	2.6	3.0	0.6	0.9
26	0.6	0.20	0.77		5.0	3.8	8.8	0.4	0.6	2.2	2.5	2.2	2.5
27	0.6	0.19	0.80		5.3	3.6	8.9	0.3	0.5	2.2	2.5	2.0	2.4
31	0.6	0.19	0.74		4.2	3.5	7.7	0.5	0.7	2.5	3.0	0.6	0.7
Avg.	0.59	0.19	0.74	0.72	4.3	3.6	7.8	0.4	0.6	2.2	2.6	1.9	2.3
Max.	0.70	0.22	0.84	0.75	5.5	4.2	9.7	0.7	1.1	2.6	3.0	2.6	3.0
Min.	0.50	0.17	0.66	0.69	3.0	2.9	6.3	0.2	0.4	1.7	2.1	0.6	0.7

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Date	pH (S.U.)		Total Hardness as CaCO3 (mg/L)		Total Alkalinity as CaCO3 (mg/L)		Non-Carbonate Hardness as CaCO3 (mg/L)		Calcium as Ca2+ (mg/L)		Magnesium as Mg2+ (mg/L)		Chloride as Cl- (mg/L)	
	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap
1	8.37	7.59	232	148	190	56	42	92	67.3	46.5	15.6	7.8	45	84
2	8.12	7.36	260	150	220	54	40	96	77.8	50.5	16.0	5.8	47	87
3	8.40	7.43	260	155	218	55	42	100	89.0	56.9	9.2	2.9	43	89
4	8.35	7.40	252	153	210	52	42	101	80.2	52.1	12.6	3.9	42	86
5	8.18	7.49	258	156	216	54	42	102	89.8	52.1	8.3	6.8	42	86
6	8.19	7.48	264	156	208	56	56	100	85.8	57.7	12.2	2.9	44	88
7	8.06	7.68	258	156	212	50	46	106	87.4	50.5	9.7	7.3	48	85
8	7.98	7.52	252	148	208	54	44	94	85.0	51.3	9.7	4.9	43	77
9	8.18	7.49	246	152	208	52	38	100	80.2	52.9	11.2	4.9	43	82
10	8.22	7.47	244	150	202	52	42	98	84.2	55.3	8.3	2.9	43	77
11	8.30	7.54	250	150	206	62	44	88	85.8	48.9	8.7	6.8	47	81
12	8.21	7.45	256	144	214	48	42	96	79.4	47.3	14.1	6.8	42	89
13	8.36	7.60	242	142	200	50	42	92	79.4	47.3	10.7	5.8	45	83
14	7.83	7.45	250	144	208	50	42	94	75.4	39.3	15.1	11.2	50	84
15	8.13	7.38	250	134	212	48	38	86	81.8	41.7	11.2	7.3	44	81
16	8.16	7.43	252	156	212	48	40	108	78.6	44.1	13.6	11.2	44	79
17	8.05	7.36	256	140	206	52	50	88	82.6	45.7	9.2	8.7	43	78
18	8.07	7.42	248	132	206	42	42	90	80.2	40.1	11.7	7.8	41	80
19	8.13	7.45	252	134	212	44	40	90	80.2	47.3	12.6	3.9	43	76
20	8.21	7.53	248	142	214	46	34	96	78.6	43.3	12.3	8.3	42	79
21	8.15	7.35	250	134	220	54	30	80	82.6	41.7	10.7	7.3	42	79
22	8.31	7.42	252	132	216	44	36	88	76.2	36.9	15.1	9.7	44	80
23	8.33	7.35	252	136	214	36	38	100	81.8	40.1	11.7	8.7	43	84
24	8.28	7.34	246	136	206	34	40	102	79.4	39.3	11.7	9.2	43	83
25	8.24	7.52	248	149	208	47	40	102	76.2	38.5	14.1	8.7	43	81
26	8.15	7.43	254	153	212	51	42	102	85.0	47.3	10.2	7.3	43	89
27	8.14	7.40	258	146	216	48	42	98	77.0	48.9	16.0	5.8	45	88
28	8.19	7.42	248	162	210	58	38	104	79.4	61.7	12.2	1.9	45	96
29	8.03	7.32	242	152	206	50	36	102	79.4	54.5	10.7	3.9	47	100
30	7.97	7.37	240	158	206	60	34	98	70.5	58.5	15.6	2.9	51	98
31	7.91	7.37	248	156	212	52	36	104	75.4	55.3	14.6	4.4	51	99
Avg.	8.17	7.45	251	147	210	50	41	97	80.4	48.2	12.1	6.4	44	85
Max.	8.40	7.68	264	162	220	62	56	108	89.8	61.7	16.0	11.2	51	100
Min.	7.83	7.32	232	132	190	34	30	80	67.3	36.9	8.3	1.9	41	76

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Date	Total Coliform						Standard Plate Count (Simplate MPN)		Conductivity (mS)	Temp. C	Color		Odor	
	Raw (Colilert MPN)		Filter Confluence (N&S)		Plant Tap									
	# Samples	Count	# Samples	# pos	# Samples	# pos	Raw	Tap	Tap	Raw	Raw	Tap	Raw	Tap
1	1	4884	12	0	1	0	2870	< 2	0.44	22.5				
2	1	3448	12	0	1	0	2020	< 2	0.44	22.3				
3	1	3654	12	0	1	0	2390	< 2	0.45	22.1				
4	1	4611	12	0	1	0	1830	< 2	0.44	23.5				
5	1	5172	12	0	1	0	1830	< 2	0.45	22.5				
6	1	3873	12	0	1	0	1890	< 2	0.45	22.8				
7	1	5794	12	0	1	0	1460	< 2	0.43	23.5				
8	1	3654	12	0	1	0	1950	< 2	0.41	22.0				
9	1	6867	12	0	1	0	2990	< 2	0.43	22.5				
10	1	4106	12	0	1	0	1830	< 2	0.41	23.3				
11	1	3654	12	0	1	0	2090	< 2	0.43	23.5				
12	1	3654	12	0	1	0	1510	< 2	0.42	22.9				
13	1	4884	12	0	1	0	1510	< 2	0.41	24.8				
14	1	11191	12	0	1	0	7380	< 2	0.40	23.3				
15	1	8164	12	0	1	0	3390	< 2	0.40	23.1				
16	1	6867	12	0	1	0	2020	< 2	0.40	25.9				
17	1	3873	12	0	1	0	1460	< 2	0.41	23.8				
18	1	3873	12	0	1	0	5550	< 2	0.39	24.4				
19	1	5794	12	0	1	0	3390	< 2	0.39	24.4				
20	1	6867	12	0	1	0	2870	< 2	0.39	24.4				
21	1	8664	12	0	1	0	2870	< 2	0.39	24.5				
22	1	4884	12	0	1	0	2870	< 2	0.39	25.1				
23	1	6480	12	0	1	0	3550	< 2	0.40	24.9				
24	1	6480	12	0	1	0	3390	< 2	0.40	25.1				
25	1	7270	12	0	1	0	4440	< 2	0.42	25.2				
26	1	8164	12	0	1	0	4140	< 2	0.44	25.1				
27	1	7270	12	0	1	0	2230	< 2	0.43	26.0				
28	1	5172	12	0	1	0	2660	< 2	0.47	27.6				
29	1	6867	12	0	1	0	6230	< 2	0.45	27.2				
30	1	17329	12	0	1	0	3240	< 2	0.48	26.2				
31	1	19863	12	0	1	0	4700	< 2	0.46	25.5				
Avg.									0.42	24.2				
Max.		19863					7380	< 2	0.48	27.6				
Min.									0.39	22.0				

Date	Free Chlorine Residual at Bacteriological Montioring Stations mg/l										
	1	2	3	4	5	6	7	8	CS	WS	Number of Samples
1	0.5	1.0	1.1	0.3	0.2	0.2	0.6	1.3	0.7	1.4	10
2											0
3											0
4											0
5											0
6											0
7	0.1	1.1	1.0	0.2	1.9	0.2	0.5	1.0	1.3	4.0	10
8	1.1	0.3	1.2	0.1	0.8	0.3			0.5	1.2	8
9	0.1	0.7	1.2	0.2	0.1	0.2	0.4	1.1	0.2	1.3	10
10											0
11											0
12											0
13											0
14	0.9	1.0	1.0	0.1	0.2	0.2	0.5	1.3	0.3	1.2	10
15	0.1	0.9	1.0	0.4	0.6	0.1	0.2	1.3	0.6	1.2	10
16											0
17											0
18											0
19											0
20											0
21											0
22	0.5	0.5	0.9	0.2	0.1	0.1	0.3	1.0	0.6	1.6	10
23	0.6	0.7	0.9	0.2	0.1	0.1	0.1	1.2	0.1	1.3	10
24											0
25											0
26											0
27											0
28	0.6	0.9	1.0	0.3	0.3	0.1	0.5	1.0	0.9	1.0	10
29											0
30	0.6	0.7	0.8	0.1	0.1	0.5	0.3	1.7	0.1	1.2	10
31				0.2	0.4	0.2					3

Distribution Sample Summary	
Total # of routine distribution samples analyzed	101
Total # of routine distribution samples required	100

Distribution Bacteriological Summary	
Total # of positive routine distribution samples	1
Percent of routine distribution samples positive	1%

See page 9 for positive sample information.

Distribution Disinfectant Total Residual Summary	
Percentage of samples with a detectable disinfectant residual	100%
Average disinfectant residual this month	0.67

Date	Total Chlorine Residual at Bacteriological Montioring Stations mg/l										
	1	2	3	4	5	6	7	8	CS	WS	Number of Samples
1	0.9	1.3	1.4	0.6	0.4	0.4	0.9	1.7	1.0	1.7	10
2											0
3											0
4											0
5											0
6											0
7	0.1	1.4	1.2	0.3	2.2	0.4	0.8	1.3	1.6	4.0	10
8	1.4	0.6	1.6	0.4	1.0	0.5			0.8	1.5	8
9	0.2	1.0	1.5	0.4	0.2	0.5	0.6	1.4	0.4	1.6	10
10											0
11											0
12											0
13											0
14											0
15	1.3	1.3	1.3	0.3	0.4	0.4	0.8	1.7	0.5	1.5	10
16	0.2	1.2	1.3	0.7	0.9	0.2	0.5	1.5	0.9	1.5	10
17											0
18											0
19											0
20											0
21											0
22	0.8	0.8	1.3	0.5	0.3	0.2	0.5	1.4	0.9	2.0	10
23	0.9	1.1	1.2	0.5	0.4	0.3	0.3	1.5	0.1	1.6	10
24											0
25											0
26											0
27											0
28	0.8	1.3	1.3	0.5	0.5	0.2	0.8	1.4	1.3	1.3	10
29											0
30	1.0	1.2	1.3	0.3	0.3	0.2	0.6	2.3	0.3	1.5	10
31				0.4	0.6	0.4					3

Distribution Disinfectant Total Residual Summary	
Percent samples with a detectable disinfectant residual	100%
Average disinfectant residual this month	0.9

Positive Distribution Samples

Date	Monitoring station	Date	Repeat Monitoring Stations	Residual (mg/L) Free / Total	Present or Absent
7/30/2015	University Market	7/31/2015	University Market	.4 / .6	Absent
		7/31/2015	Consumer Services	.2 / .4	Absent
		7/31/2015	Rube's Bar	.2 / .4	Absent