


Bay Area WTP

Monthly Operations Report



August, 2022

Water Systems Serial Number: 0465


Ryan Goebel

Water Plant Superintendent F-1
Title Classification


Mike Wagar

Operations Supervisor F-2
Title Classification

Bay Area Water Treatment Plant

Monthly Operations Report

Supply Name: Bay Area Water System
 WSSN: 0465

Ryan Goebel
 Operator-in-charge

August, 2022
 Month, Year

F-1
 Certification of Operator-in-charge

F-1
 Water Plant Classification

Bay
 County

Treatment Rate and Membrane Data

Treatment Rate, Approved Rated Plant Capacity	<u>17.4</u>	Millions of Gallons per Day
Treatment Rate, Maximum	<u>10.3</u>	Millions of Gallons per Day
Maximum Approved Transmembrane Pressure	<u>22</u>	PSI
Maximum Operating Transmembrane Pressure	<u>13.99</u>	PSI
Maximum Approved Flux Rate	<u>36.25</u>	gpd/sq.ft.
Maximum Operating Flux Rate	<u>27.78</u>	gpd/sq.ft.

Chemical Data

Sodium Hypochlorite on hand:	<u>3,919</u>	Gallons	Estimated Supply:	<u>30.9</u>	days
Caustic Soda on hand:	<u>1,149</u>	Gallons	Estimated Supply:	<u>78.7</u>	days
Corrosion Inhibitor on hand:	<u>409</u>	Gallons	Estimated Supply:	<u>14.0</u>	days
Hydrofluosilicic Acid on hand:	<u>1,700</u>	Gallons	Estimated Supply:	<u>66.1</u>	days
Aluminum Chlorohydrate on hand:	<u>619</u>	Gallons	Estimated Supply:	<u>70.9</u>	days
Sulfuric Acid on hand:	<u>535</u>	Gallons	Estimated Supply:	<u>267.6</u>	days
Sodium Bisulfite on hand:	<u>738</u>	Gallons	Estimated Supply:	<u>254.6</u>	days
Citric Acid on hand:	<u>457</u>	Gallons	Estimated Supply:	<u>36.6</u>	days
Cost of All Chemicals per Million Gallons:	<u>119.85</u>	Dollars			
Estimated Electrical Cost per Million Gallons:	<u>79.87</u>	Dollars			
Estimated Natural Gas Cost per Million Gallons:	<u>3.29</u>	Dollars			

Remarks

Number of periods of filter confluence turbidity samples > 0.3 NTU	<u>0</u>
Percent of membrane period confluence samples > 0.3 NTU:	<u>0.00%</u>
Was continuous (every 15 minutes) filter monitoring equipment off-line during the month? If yes, indicate date(s), duration, and individual filter grab sampling frequency on a separate sheet.	<u>No</u>
Did POE disinfectant residual fall below 0.2 ppm during the month? If yes, indicate date(s) and duration on a separate sheet.	<u>No</u>
Was minimum C*T credit achieved for the entire month? If no, indicate on a separate sheet the date(s) not achieved.	<u>Yes</u>
Was continuous POE chlorine residual monitoring equipment off-line during the month? If yes, date(s) and duration will be indicated on the rule page.	<u>No</u>



Notes

Bay Area WTP Monthly Operating Report

Date	Flows								
	Raw Water (MG)			Clarified (MG)	Sludge (MG)	Treated (MG)	Finished Water Pumped (MG)		
	North	South	Total	Total	Total	Total	N. Euclid	Lauria Road	Total
	FIT-1000-1	FIT-1000-2	Calculated	FIT-5520-1	FIT-5180	FIT-4000-1	FIT-4040-1	FIT-4040-2	Calculated
8/1/2022	2.59	7.64	10.24	0.37	0.08	9.72	4.68	4.51	9.18
8/2/2022	2.48	6.50	8.98	0.34	0.08	9.17	4.39	4.22	8.61
8/3/2022	2.45	6.36	8.81	0.36	0.08	8.90	4.29	4.12	8.40
8/4/2022	2.41	6.71	9.13	0.32	0.08	9.08	4.31	4.14	8.45
8/5/2022	2.45	6.91	9.36	0.33	0.09	9.37	4.53	4.36	8.89
8/6/2022	2.84	7.31	10.15	0.33	0.09	9.59	4.55	4.38	8.93
8/7/2022	2.90	5.13	8.03	0.34	0.08	9.32	4.49	4.32	8.81
8/8/2022	2.59	6.61	9.20	0.29	0.09	8.98	4.30	4.13	8.43
8/9/2022	2.48	7.62	10.10	0.33	0.09	9.25	4.45	4.28	8.72
8/10/2022	2.50	6.07	8.57	0.27	0.15	9.93	4.70	4.53	9.22
8/11/2022	2.57	7.31	9.88	0.32	0.15	9.58	4.63	4.46	9.09
8/12/2022	2.64	7.76	10.40	0.33	0.10	9.70	4.60	4.43	9.03
8/13/2022	2.95	6.09	9.03	0.35	0.06	8.66	4.12	3.95	8.06
8/14/2022	2.82	5.52	8.35	0.29	0.11	9.07	4.32	4.15	8.47
8/15/2022	2.60	6.65	9.25	0.31	0.11	9.92	4.81	4.64	9.45
8/16/2022	2.57	8.18	10.75	0.40	0.16	9.70	4.56	4.39	8.95
8/17/2022	2.54	8.10	10.64	0.39	0.16	10.03	4.77	4.60	9.37
8/18/2022	2.55	7.39	9.94	0.37	0.16	9.94	4.72	4.55	9.27
8/19/2022	2.64	7.14	9.79	0.38	0.19	10.28	4.94	4.77	9.71
8/20/2022	2.97	6.72	9.69	0.37	0.19	8.51	4.02	3.85	7.86
8/21/2022	2.86	3.45	6.31	0.29	0.19	7.80	3.69	3.52	7.21
8/22/2022	2.57	6.14	8.71	0.31	0.19	8.26	3.98	3.81	7.79
8/23/2022	2.54	7.41	9.95	0.37	0.19	8.93	4.27	4.10	8.37
8/24/2022	2.54	7.02	9.56	0.34	0.19	9.30	4.37	4.20	8.56
8/25/2022	2.52	5.62	8.14	0.37	0.19	8.13	3.87	3.70	7.57
8/26/2022	2.58	5.19	7.77	0.41	0.19	8.46	4.00	3.83	7.82
8/27/2022	2.86	6.12	8.98	0.36	0.26	8.39	3.98	3.81	7.79
8/28/2022	2.80	5.22	8.03	0.38	0.26	8.62	4.08	3.91	7.98
8/29/2022	2.63	6.30	8.93	0.35	0.26	8.29	3.93	3.76	7.69
8/30/2022	2.46	5.74	8.21	0.35	0.26	8.28	3.93	3.76	7.68
8/31/2022	2.42	6.55	8.97	0.37	0.26	8.85	4.15	3.98	8.13
Total	81.34	202.49	283.83	10.67	4.76	282.02	134.34	129.16	263.50
Avg	2.62	6.53	9.16	0.34	0.15	9.10	4.33	4.17	8.50
Min	2.41	3.45	6.31	0.27	0.06	7.80	3.69	3.52	7.21
Max	2.97	8.18	10.75	0.41	0.26	10.28	4.94	4.77	9.71



Raw Water Analysis								
Date	Temp	pH	Turbidity		F ⁻	Free Cl	Bacti	
	Average	Average	Average	Maximum	Grab	Average	Positive/Negative	
	°C		NTU		mg/L	mg/L	Total Coliform	E. coli
	TIT-1000	AIT-1000-2	AIT-1000-1		Lab	AIT-1035-2	Lab	
8/1/2022	18.0	8.01	0.64	1.31	0.07	0.37	Negative	Negative
8/2/2022	18.1	8.01	0.50	0.87	0.07	0.31	Negative	Negative
8/3/2022	18.2	7.99	0.44	0.63	0.07	0.27	Negative	Negative
8/4/2022	18.6	7.97	0.54	0.98	0.09	0.25	Negative	Negative
8/5/2022	18.7	7.93	0.58	2.27	0.08	0.25	Negative	Negative
8/6/2022	19.3	7.90	0.57	0.86	0.08	0.27	Negative	Negative
8/7/2022	20.1	7.97	0.65	0.89	0.08	0.19	Negative	Negative
8/8/2022	19.9	8.06	0.70	1.11	0.08	0.19	Negative	Negative
8/9/2022	19.6	8.04	0.75	1.80	0.08	0.17	Negative	Negative
8/10/2022	19.8	8.11	0.74	0.96	0.08	0.14	Negative	Negative
8/11/2022	20.0	8.20	0.90	9.12	0.10	0.13	Negative	Negative
8/12/2022	19.9	8.19	1.08	1.54	0.09	0.11	Negative	Negative
8/13/2022	20.0	8.16	1.39	2.22	0.10	0.11	Negative	Negative
8/14/2022	20.2	8.13	1.15	2.17	0.09	0.12	Negative	Negative
8/15/2022	20.4	8.12	1.00	1.76	0.09	0.09	Negative	Negative
8/16/2022	20.4	8.10	1.29	6.90	0.09	0.09	Negative	Negative
8/17/2022	20.6	8.06	1.30	5.35	0.09	0.11	Negative	Negative
8/18/2022	20.5	7.95	1.05	3.80	0.09	0.23	Negative	Negative
8/19/2022	20.6	7.94	0.95	8.50	0.08	0.29	Negative	Negative
8/20/2022	20.7	7.93	0.67	3.83	0.08	0.30	Negative	Negative
8/21/2022	20.7	7.89	0.76	2.13	0.08	0.17	Negative	Negative
8/22/2022	20.7	7.89	0.84	1.47	0.08	0.10	Negative	Negative
8/23/2022	20.7	8.02	0.78	3.67	0.08	0.10	Negative	Negative
8/24/2022	20.9	8.07	0.83	1.30	0.08	0.09	Negative	Negative
8/25/2022	20.9	8.14	0.89	1.42	0.09	0.07	Negative	Negative
8/26/2022	21.0	8.15	0.87	1.76	0.09	0.06	Negative	Negative
8/27/2022	21.0	8.15	1.01	2.14	0.09	0.06	Negative	Negative
8/28/2022	21.2	8.16	1.40	4.49	0.09	0.07	Negative	Negative
8/29/2022	21.4	8.11	2.00	6.97	0.09	0.08	Negative	Negative
8/30/2022	21.5	8.16	1.68	11.58	0.09	0.06	Negative	Negative
8/31/2022	21.5	8.12	1.17	11.36	0.09	0.06	Negative	Negative
Avg	20.2	8.05	0.94	3.39	0.08	0.16	NA	NA
Min	18.0	7.89	0.44	0.63	0.07	0.06	NA	NA
Max	21.5	8.20	2.00	11.58	0.10	0.37	NA	NA



Finished Water Analysis																		
Date	Temp	pH	Phosphate	Fluoride		Free Cl ₂	Alkalinity (as CaCO ₃)		Chloride	Sulfate	Calcium (as CaCO ₃)	Dissolved Oxygen	Conductivity	Langelier Saturation Index	Chloride:Sulfate Mass Ratio	Larson-Skold Index	Bacteriological	
	Average	Average	Average	Tap	Dist	Average	Carbonate	Bicarbonate	Grab	Grab	Grab	Grab	Grab	Calculated			Positive/Negative	
	°C		mg/L	mg/L		mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	uS/cm				Total Coliform	E. coli
	AIT-4040-1	AIT-4050-2	AIT-4040-5	Lab		AIT-4050-1	Lab		Lab	Lab	Lab	Lab	Lab				Lab	
8/1/2022	15.2	7.56	3.41	0.79	0.78	1.31	0	76	10	8	72	9.2	238	-0.77	1.25	0.36	Negative	Negative
8/2/2022	15.4	7.54	3.48	0.79		1.31	0	75	10	9	79	9.3	239	-0.76	1.11	0.38	Negative	Negative
8/3/2022	15.7	7.55	3.43	0.75		1.31	0	76	11	8	81	9.8	238	-0.73	1.38	0.39	Negative	Negative
8/4/2022	16.1	7.53	3.37	0.74		1.32	0	76	10	8	74	9.8	240	-0.77	1.25	0.36	Negative	Negative
8/5/2022	16.4	7.52	3.36	0.73		1.31	0	75	11	9	74	9.8	238	-0.78	1.22	0.41	Negative	Negative
8/6/2022	16.8	7.48	3.40	0.76		1.32	0	76	10	9	74	9.6	240	-0.80	1.11	0.38	Negative	Negative
8/7/2022	17.8	7.46	3.40	0.77		1.33	0	75	11	9	72	8.7	243	-0.82	1.22	0.41	Negative	Negative
8/8/2022	18.7	7.56	3.41	0.77		1.29	0	76	12	10	74	8.8	245	-0.68	1.20	0.44	Negative	Negative
8/9/2022	18.7	7.58	3.40	0.76	0.73	1.30	0	76	11	8	72	8.9	244	-0.67	1.38	0.39	Negative	Negative
8/10/2022	18.9	7.57	3.39	0.76		1.30	0	77	11	11	72	9.1	246	-0.68	1.00	0.43	Negative	Negative
8/11/2022	19.4	7.59	3.39	0.75		1.29	0	76	11	9	82	8.7	250	-0.59	1.22	0.40	Negative	Negative
8/12/2022	19.7	7.59	3.39	0.78		1.31	0	75	10	9	72	8.9	251	-0.65	1.11	0.38	Negative	Negative
8/13/2022	19.9	7.58	3.39	0.78		1.28	0	76	11	9	80	8.5	247	-0.60	1.22	0.40	Negative	Negative
8/14/2022	20.1	7.56	3.39	0.80		1.32	0	77	10	8	78	8.4	254	-0.63	1.25	0.36	Negative	Negative
8/15/2022	20.3	7.56	3.39	0.80	0.80	1.31	0	79	10	9	76	8.7	255	-0.62	1.11	0.37	Negative	Negative
8/16/2022	20.3	7.54	3.39	0.79		1.33	0	77	11	9	76	8.2	249	-0.65	1.22	0.40	Negative	Negative
8/17/2022	20.5	7.52	3.39	0.81		1.31	0	80	11	11	76	8.6	225	-0.65	1.00	0.41	Negative	Negative
8/18/2022	20.6	7.47	3.39	0.78		1.32	0	80	12	9	72	8.6	228	-0.71	1.33	0.40	Negative	Negative
8/19/2022	20.5	7.46	3.39	0.77		1.32	0	76	11	9	72	8.3	223	-0.75	1.22	0.40	Negative	Negative
8/20/2022	20.5	7.44	3.38	0.77		1.32	0	75	10	9	72	8.5	220	-0.77	1.11	0.38	Negative	Negative
8/21/2022	20.5	7.43	3.38	0.78		1.31	0	75	11	9	72	8.5	222	-0.78	1.22	0.41	Negative	Negative
8/22/2022	20.5	7.43	3.39	0.78	0.77	1.31	0	79	12	8	74	8.5	226	-0.76	1.50	0.39	Negative	Negative
8/23/2022	20.5	7.44	3.38	0.77		1.31	0	78	12	9	76	8.1	228	-0.73	1.33	0.41	Negative	Negative
8/24/2022	20.7	7.44	3.38	0.78		1.28	0	78	10	9	70	8.4	250	-0.77	1.11	0.37	Negative	Negative
8/25/2022	20.8	7.46	3.40	0.79		1.28	0	81	10	11	80	8.4	254	-0.68	0.91	0.39	Negative	Negative
8/26/2022	21.0	7.47	3.41	0.80		1.30	0	78	11	10	86	8.5	255	-0.65	1.10	0.41	Negative	Negative
8/27/2022	21.1	7.48	3.41	0.81		1.29	0	82	12	9	86	8.5	257	-0.62	1.33	0.39	Negative	Negative
8/28/2022	21.3	7.47	3.41	0.82		1.31	0	79	11	10	90	8.2	257	-0.62	1.10	0.40	Negative	Negative
8/29/2022	21.5	7.46	3.42	0.82	0.82	1.32	0	81	11	12	80	8.0	257	-0.66	0.92	0.42	Negative	Negative
8/30/2022	21.5	7.59	3.41	0.82		1.33	0	81	11	10	80	8.1	257	-0.53	1.10	0.39	Negative	Negative
8/31/2022	21.4	7.68	3.41	0.85		1.29	0	80	12	12	72	7.5	259	-0.50	1.00	0.45	Negative	Negative
Avg	19.4	7.52	3.40	0.78	0.78	1.31	0	77	11	9	76	8.7	243	-0.69	1.18	0.40	NA	NA
Min	15.2	7.43	3.36	0.73	0.73	1.28	0	75	10	8	70	7.5	220	-0.82	0.91	0.36	NA	NA
Max	21.5	7.68	3.48	0.85	0.82	1.33	0	82	12	12	90	9.8	259	-0.50	1.50	0.45	NA	NA



Turbidity										
Date	Raw Water		Clarified Water	Membrane Feed Water	Combined Membrane Filtrate					Finished Water
	Avg	Max	Avg	Avg	Avg	Max	# Samples	# > 0.3	% Exceeded	Avg
	NTU									
	AIT-1000-1		AIT-5030-1	AIT-1035-3	AIT-4000-1					Calculated
8/1/2022	0.64	1.31	3.47	0.46	0.021	0.021	96	0	0.0	0.017
8/2/2022	0.50	0.87	3.78	0.40	0.021	0.021	96	0	0.0	0.017
8/3/2022	0.44	0.63	2.85	0.41	0.021	0.021	96	0	0.0	0.018
8/4/2022	0.54	0.98	1.69	0.43	0.021	0.021	96	0	0.0	0.019
8/5/2022	0.58	2.27	2.38	0.47	0.021	0.021	96	0	0.0	0.017
8/6/2022	0.57	0.86	2.83	0.50	0.021	0.021	96	0	0.0	0.017
8/7/2022	0.65	0.89	3.39	0.62	0.021	0.021	96	0	0.0	0.018
8/8/2022	0.70	1.11	3.71	0.67	0.021	0.021	96	0	0.0	0.018
8/9/2022	0.75	1.80	3.60	0.75	0.021	0.021	96	0	0.0	0.018
8/10/2022	0.74	0.96	4.46	0.73	0.021	0.021	96	0	0.0	0.018
8/11/2022	0.90	9.12	9.73	0.84	0.021	0.021	96	0	0.0	0.018
8/12/2022	1.08	1.54	13.54	1.00	0.021	0.021	96	0	0.0	0.018
8/13/2022	1.39	2.22	10.63	1.39	0.021	0.021	96	0	0.0	0.018
8/14/2022	1.15	2.17	10.31	1.28	0.021	0.021	96	0	0.0	0.018
8/15/2022	1.00	1.76	13.38	1.18	0.021	0.021	96	0	0.0	0.018
8/16/2022	1.29	6.90	31.06	1.11	0.021	0.021	96	0	0.0	0.018
8/17/2022	1.30	5.35	46.08	1.24	0.022	0.024	96	0	0.0	0.018
8/18/2022	1.05	3.80	52.50	0.91	0.023	0.024	96	0	0.0	0.019
8/19/2022	0.95	8.50	29.34	0.68	0.023	0.024	96	0	0.0	0.019
8/20/2022	0.67	3.83	28.49	0.89	0.023	0.023	96	0	0.0	0.019
8/21/2022	0.76	2.13	24.50	1.03	0.023	0.023	96	0	0.0	0.019
8/22/2022	0.84	1.47	26.29	0.99	0.023	0.023	96	0	0.0	0.019
8/23/2022	0.78	3.67	35.23	1.08	0.023	0.023	96	0	0.0	0.019
8/24/2022	0.83	1.30	30.55	1.09	0.023	0.024	96	0	0.0	0.019
8/25/2022	0.89	1.42	23.98	1.43	0.023	0.023	96	0	0.0	0.019
8/26/2022	0.87	1.76	24.44	1.07	0.023	0.023	96	0	0.0	0.019
8/27/2022	1.01	2.14	27.08	1.07	0.023	0.023	96	0	0.0	0.019
8/28/2022	1.40	4.49	27.74	1.03	0.023	0.023	96	0	0.0	0.019
8/29/2022	2.00	6.97	33.01	1.04	0.022	0.023	96	0	0.0	0.019
8/30/2022	1.68	11.58	26.48	1.48	0.022	0.023	96	0	0.0	0.019
8/31/2022	1.17	11.36	34.34	1.22	0.022	0.023	96	0	0.0	0.019
Avg	0.94	3.39	19.06	0.92	0.022	0.022	96	0	0.0	0.018
Min	0.44	0.63	1.69	0.40	0.021	0.021	96	0	0.0	0.017
Max	2.00	11.58	52.50	1.48	0.023	0.024	96	0	0.0	0.019



Note: % Exceeded are 4 hr compliance periods where the average of samples are greater than 0.3 NTU

Membrane LRV/Integrity/Max Turbidity																										
Date	Membrane 1			Membrane 2			Membrane 3			Membrane 4			Membrane 5			Membrane 6			Membrane 7			Membrane 8				
	LRV	Integrity	Turbidity	LRV	Integrity	Turbidity	LRV	Integrity	Turbidity	LRV	Integrity	Turbidity	LRV	Integrity	Turbidity	LRV	Integrity	Turbidity	LRV	Integrity	Turbidity	LRV	Integrity	Turbidity		
	Average	Pass/Fail	Max	Average	Pass/Fail	Max	Average	Pass/Fail	Max	Average	Pass/Fail	Max	Average	Pass/Fail	Max	Average	Pass/Fail	Max	Average	Pass/Fail	Max	Average	Pass/Fail	Max		
psi/min	Pass/Fail	NTU	psi/min	Pass/Fail	NTU	psi/min	Pass/Fail	NTU	psi/min	Pass/Fail	NTU	psi/min	Pass/Fail	NTU	psi/min	Pass/Fail	NTU	psi/min	Pass/Fail	NTU	psi/min	Pass/Fail	NTU	psi/min	Pass/Fail	NTU
8/1/2022	4.30	PASS	0.019	4.35	PASS	0.027	4.29	PASS	0.021	4.52	PASS	0.016	4.12	PASS	0.021	4.38	PASS	0.020	4.46	PASS	0.028	4.13	PASS	0.024		
8/2/2022	4.27	PASS	0.019	4.34	PASS	0.027	4.28	PASS	0.021	4.52	PASS	0.017	4.38	PASS	0.021	4.38	PASS	0.020	4.47	PASS	0.028	4.14	PASS	0.023		
8/3/2022	4.28	PASS	0.020	4.34	PASS	0.028	4.31	PASS	0.020	4.56	PASS	0.017	4.33	PASS	0.021	4.43	PASS	0.020	4.46	PASS	0.028	4.15	PASS	0.030		
8/4/2022	4.29	PASS	0.020	4.32	PASS	0.026	4.31	PASS	0.021	4.55	PASS	0.017	4.28	PASS	0.021	4.42	PASS	0.020	4.48	PASS	0.028	4.14	PASS	0.026		
8/5/2022	4.28	PASS	0.019	4.31	PASS	0.027	4.30	PASS	0.021	4.51	PASS	0.017	4.24	PASS	0.021	4.42	PASS	0.020	4.49	PASS	0.028	4.14	PASS	0.025		
8/6/2022	4.44	PASS	0.020	4.30	PASS	0.025	4.26	PASS	0.021	4.49	PASS	0.017	4.22	PASS	0.021	4.39	PASS	0.020	4.44	PASS	0.028	4.09	PASS	0.026		
8/7/2022	4.38	PASS	0.020	4.30	PASS	0.026	4.28	PASS	0.021	4.49	PASS	0.017	4.20	PASS	0.021	4.40	PASS	0.020	4.43	PASS	0.029	4.09	PASS	0.026		
8/8/2022	4.32	PASS	0.020	4.27	PASS	0.025	4.26	PASS	0.021	4.49	PASS	0.017	4.17	PASS	0.021	4.36	PASS	0.020	4.41	PASS	0.029	4.09	PASS	0.025		
8/9/2022	4.30	PASS	0.020	4.27	PASS	0.026	4.25	PASS	0.023	4.45	PASS	0.017	4.16	PASS	0.021	4.34	PASS	0.020	4.39	PASS	0.029	4.32	PASS	0.024		
8/10/2022	4.30	PASS	0.020	4.26	PASS	0.027	4.23	PASS	0.022	4.45	PASS	0.019	4.15	PASS	0.019	4.36	PASS	0.019	4.38	PASS	0.028	4.22	PASS	0.020		
8/11/2022	4.26	PASS	0.020	4.24	PASS	0.028	4.22	PASS	0.022	4.42	PASS	0.019	4.15	PASS	0.019	4.40	PASS	0.019	4.38	PASS	0.028	4.14	PASS	0.019		
8/12/2022	4.24	PASS	0.020	4.22	PASS	0.028	4.19	PASS	0.022	4.40	PASS	0.018	4.14	PASS	0.019	4.33	PASS	0.019	4.35	PASS	0.028	4.10	PASS	0.020		
8/13/2022	4.24	PASS	0.020	4.20	PASS	0.024	4.19	PASS	0.022	4.36	PASS	0.017	4.12	PASS	0.020	4.31	PASS	0.019	4.37	PASS	0.028	4.10	PASS	0.019		
8/14/2022	4.20	PASS	0.020	4.18	PASS	0.025	4.17	PASS	0.023	4.29	PASS	0.018	4.15	PASS	0.020	4.30	PASS	0.020	4.36	PASS	0.028	4.07	PASS	0.019		
8/15/2022	4.21	PASS	0.020	4.24	PASS	0.029	4.18	PASS	0.022	4.62	PASS	0.017	4.11	PASS	0.020	4.32	PASS	0.020	4.32	PASS	0.028	4.06	PASS	0.019		
8/16/2022	4.15	PASS	0.020	4.17	PASS	0.028	4.16	PASS	0.022	4.48	PASS	0.018	4.06	PASS	0.020	4.28	PASS	0.020	4.25	PASS	0.028	4.00	PASS	0.020		
8/17/2022	4.11	PASS	0.020	4.14	PASS	0.027	4.08	PASS	0.022	4.39	PASS	0.017	4.04	PASS	0.020	4.45	PASS	0.023	4.22	PASS	0.029	4.00	PASS	0.020		
8/18/2022	4.19	PASS	0.020	4.53	PASS	0.029	4.06	PASS	0.021	4.39	PASS	0.017	4.05	PASS	0.019	4.44	PASS	0.020	4.25	PASS	0.028	4.02	PASS	0.020		
8/19/2022	4.26	PASS	0.019	4.49	PASS	0.027	4.40	PASS	0.022	4.50	PASS	0.017	4.10	PASS	0.019	4.37	PASS	0.019	4.31	PASS	0.028	4.05	PASS	0.019		
8/20/2022	4.21	PASS	0.019	4.34	PASS	0.027	4.36	PASS	0.021	4.53	PASS	0.016	4.13	PASS	0.019	4.47	PASS	0.019	4.34	PASS	0.028	4.09	PASS	0.019		
8/21/2022	4.21	PASS	0.019	4.38	PASS	0.026	4.31	PASS	0.021	4.60	PASS	0.016	4.11	PASS	0.019	4.52	PASS	0.019	4.35	PASS	0.028	4.15	PASS	0.020		
8/22/2022	4.26	PASS	0.020	4.35	PASS	0.027	4.32	PASS	0.021	4.58	PASS	0.017	4.12	PASS	0.019	4.47	PASS	0.019	4.34	PASS	0.028	4.13	PASS	0.020		
8/23/2022	4.20	PASS	0.020	4.30	PASS	0.027	4.30	PASS	0.021	4.51	PASS	0.017	4.10	PASS	0.021	4.46	PASS	0.020	4.31	PASS	0.028	4.10	PASS	0.020		
8/24/2022	4.21	PASS	0.022	4.34	PASS	0.027	4.24	PASS	0.021	4.53	PASS	0.017	4.08	PASS	0.019	4.45	PASS	0.020	4.34	PASS	0.028	4.13	PASS	0.020		
8/25/2022	4.20	PASS	0.021	4.39	PASS	0.027	4.22	PASS	0.021	4.58	PASS	0.017	4.06	PASS	0.019	4.47	PASS	0.019	4.30	PASS	0.029	4.13	PASS	0.021		
8/26/2022	4.18	PASS	0.020	4.28	PASS	0.027	4.22	PASS	0.021	4.49	PASS	0.017	4.03	PASS	0.019	4.41	PASS	0.019	4.25	PASS	0.029	4.11	PASS	0.020		
8/27/2022	4.19	PASS	0.020	4.25	PASS	0.027	4.25	PASS	0.021	4.43	PASS	0.017	4.10	PASS	0.019	4.36	PASS	0.019	4.29	PASS	0.029	4.02	PASS	0.020		
8/28/2022	4.20	PASS	0.029	4.25	PASS	0.027	4.25	PASS	0.025	4.45	PASS	0.017	4.09	PASS	0.019	4.31	PASS	0.019	4.37	PASS	0.028	3.98	PASS	0.020		
8/29/2022	4.16	PASS	0.019	4.22	PASS	0.027	4.25	PASS	0.021	4.38	PASS	0.017	4.07	PASS	0.019	4.28	PASS	0.019	4.36	PASS	0.028	4.00	PASS	0.021		
8/30/2022	4.17	PASS	0.019	4.19	PASS	0.027	4.24	PASS	0.021	4.38	PASS	0.017	4.10	PASS	0.020	4.31	PASS	0.020	4.36	PASS	0.029	3.98	PASS	0.023		
8/31/2022	4.14	PASS	0.020	4.21	PASS	0.027	4.17	PASS	0.021	4.29	PASS	0.018	4.04	PASS	0.019	4.29	PASS	0.019	4.31	PASS	0.028	4.28	PASS	0.022		
Avg	4.24		0.020	4.29		0.027	4.24		0.021	4.47		0.017	4.14		0.020	4.38		0.020	4.36		0.028	4.10		0.022		
Min	4.11		0.019	4.14		0.024	4.06		0.020	4.29		0.016	4.03		0.019	4.28		0.019	4.22		0.028	3.98		0.019		
Max	4.44		0.029	4.53		0.029	4.40		0.025	4.62		0.019	4.38		0.021	4.52		0.023	4.49		0.029	4.32		0.030		

*LRV must remain above Upper Control Limit of 3.32 psi/min



Treatment Chemical Dosages											
Date	Treated Water	Sodium Hypochlorite					Phosphoric Acid		Hydroflourosilicic Acid		
		Raw Water	Membrane Feed Water	Dose pre-FW Tanks	Treated Water	Post FW Tanks	Dose pre-FW Tanks	Post FW Tanks	Raw Water	Dose pre-FW Tanks	Post FW Tanks
	Volume	Free Cl ₂					PO4		F		
	MG	mg/L					mg/L		mg/L		
	FIT-4000-1	AIT-1035-2	AIT-1035-4	Added	AIT-4030-1	AIT-4050-1	Added	AIT-4040-5	Lab	Added	Lab
8/1/2022	9.7	0.37	0.26	1.13	1.42	1.31	3.28	3.41	0.07	0.65	0.79
8/2/2022	9.2	0.31	0.24	1.15	1.42	1.31	3.26	3.48	0.07	0.63	0.79
8/3/2022	8.9	0.27	0.20	1.22	1.40	1.31	3.20	3.43	0.07	0.61	0.75
8/4/2022	9.1	0.25	0.18	1.24	1.44	1.32	3.17	3.37	0.09	0.62	0.74
8/5/2022	9.4	0.25	0.17	1.23	1.43	1.31	3.19	3.36	0.08	0.64	0.73
8/6/2022	9.6	0.27	0.18	1.24	1.43	1.32	3.21	3.40	0.08	0.65	0.76
8/7/2022	9.3	0.19	0.15	1.29	1.44	1.33	3.21	3.40	0.08	0.65	0.77
8/8/2022	9.0	0.19	0.12	1.32	1.44	1.29	3.20	3.41	0.08	0.65	0.77
8/9/2022	9.3	0.17	0.11	1.41	1.44	1.30	3.20	3.40	0.08	0.65	0.76
8/10/2022	9.9	0.14	0.09	1.30	1.43	1.30	3.20	3.39	0.08	0.65	0.76
8/11/2022	9.6	0.13	0.09	1.36	1.45	1.29	3.20	3.39	0.10	0.65	0.75
8/12/2022	9.7	0.11	0.07	1.35	1.44	1.31	3.20	3.39	0.09	0.65	0.78
8/13/2022	8.7	0.11	0.06	1.43	1.45	1.28	3.20	3.39	0.10	0.65	0.78
8/14/2022	9.1	0.12	0.06	1.35	1.50	1.32	3.20	3.39	0.09	0.65	0.80
8/15/2022	9.9	0.09	0.06	1.29	1.46	1.31	3.20	3.39	0.09	0.65	0.80
8/16/2022	9.7	0.09	0.05	1.38	1.50	1.33	3.20	3.39	0.09	0.65	0.79
8/17/2022	10.0	0.11	0.05	1.36	1.48	1.31	3.20	3.39	0.09	0.65	0.81
8/18/2022	9.9	0.23	0.09	1.32	1.47	1.32	3.20	3.39	0.09	0.65	0.78
8/19/2022	10.3	0.29	0.17	1.33	1.46	1.32	3.20	3.39	0.08	0.65	0.77
8/20/2022	8.5	0.30	0.20	1.43	1.45	1.32	3.20	3.38	0.08	0.65	0.77
8/21/2022	7.8	0.17	0.16	1.36	1.45	1.31	3.20	3.38	0.08	0.65	0.78
8/22/2022	8.3	0.10	0.09	1.47	1.46	1.30	3.20	3.39	0.08	0.65	0.78
8/23/2022	8.9	0.10	0.07	1.50	1.45	1.31	3.20	3.38	0.08	0.65	0.77
8/24/2022	9.3	0.09	0.06	1.50	1.44	1.28	3.20	3.38	0.08	0.65	0.78
8/25/2022	8.1	0.07	0.05	1.55	1.51	1.28	3.20	3.40	0.09	0.65	0.79
8/26/2022	8.5	0.06	0.04	1.59	1.48	1.30	3.20	3.41	0.09	0.65	0.80
8/27/2022	8.4	0.06	0.04	1.58	1.50	1.29	3.20	3.41	0.09	0.65	0.81
8/28/2022	8.6	0.07	0.04	1.51	1.54	1.31	3.20	3.41	0.09	0.65	0.82
8/29/2022	8.3	0.08	0.04	1.59	1.54	1.32	3.20	3.42	0.09	0.65	0.82
8/30/2022	8.3	0.06	0.04	1.60	1.55	1.33	3.20	3.41	0.09	0.65	0.82
8/31/2022	8.8	0.06	0.03	1.68	1.50	1.29	3.20	3.41	0.09	0.64	0.85
Avg	9.1	0.16	0.11	1.39	1.46	1.31	3.20	3.40	0.08	0.65	0.78
Min	7.8	0.06	0.03	1.13	1.40	1.28	3.17	3.36	0.07	0.61	0.73
Max	10.3	0.37	0.26	1.68	1.55	1.33	3.28	3.48	0.10	0.65	0.85



Disinfection CT														
Date	Pipeline CT				FW Tank CT						Compliance			
	Whitestone	Travel Time	Residual	CT	FW Tank 1	FW Tank 2	Plant	Contact Time	Free Cl ₂	CT	Total CT	Temp	CT	CT
	Flow	Min	RW	Achieved	Min Level	Min Level	Flow	Min	Min	Achieved	Achieved	Avg	Required	Met
	MGD	Minutes	mg/L	mg-min/L	ft	ft	MGD	Minutes	mg/L	mg-min/L	mg-min/L	°C	mg-min/L	Y/N
Entry	Calculated	AIT-1035-2	Calculated	LIT-4005-1	LIT-4005-2	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated	TIT-1000	Calculated	Calculated
8/1/2022	73.1	1,712	0.37	627	28.8	24.7	9.2	400	1.28	512	1140	18.0	4.00	Y
8/2/2022	62.8	1,991	0.31	611	28.8	24.6	8.6	426	1.27	540	1151	18.1	4.00	Y
8/3/2022	53.4	2,342	0.27	626	28.8	24.5	8.4	435	1.22	530	1156	18.2	4.00	Y
8/4/2022	53.6	2,333	0.25	589	28.8	24.0	8.4	428	1.19	510	1099	18.6	4.00	Y
8/5/2022	52.0	2,405	0.25	595	28.8	23.9	8.9	406	1.26	512	1107	18.7	4.00	Y
8/6/2022	67.0	1,867	0.27	500	28.8	24.1	8.9	406	1.25	509	1009	19.3	4.00	Y
8/7/2022	67.5	1,852	0.19	346	28.9	24.8	8.8	417	1.23	515	861	20.1	2.00	Y
8/8/2022	67.6	1,849	0.19	351	28.7	22.3	8.4	415	1.10	458	809	19.9	4.00	Y
8/9/2022	59.9	2,088	0.17	365	28.8	23.8	8.7	413	1.26	521	886	19.6	4.00	Y
8/10/2022	55.8	2,244	0.14	312	28.9	24.0	9.2	393	1.23	485	797	19.8	4.00	Y
8/11/2022	59.3	2,108	0.13	272	28.7	23.3	9.1	392	1.25	492	764	20.0	4.00	Y
8/12/2022	62.3	2,007	0.11	230	28.8	23.4	9.0	396	1.24	491	721	19.9	4.00	Y
8/13/2022	69.2	1,807	0.11	198	28.8	23.9	8.1	448	1.23	553	751	20.0	2.00	Y
8/14/2022	69.8	1,792	0.12	209	28.9	24.0	8.5	428	1.29	551	760	20.2	2.00	Y
8/15/2022	63.0	1,985	0.09	181	28.8	18.1	9.4	340	1.21	411	592	20.4	2.00	Y
8/16/2022	62.3	2,009	0.09	185	28.9	21.5	8.9	386	1.29	497	682	20.4	2.00	Y
8/17/2022	62.8	1,993	0.11	216	28.9	20.8	9.4	363	1.27	461	676	20.6	2.00	Y
8/18/2022	59.4	2,106	0.23	481	28.9	24.3	9.3	393	1.28	501	982	20.5	2.00	Y
8/19/2022	62.1	2,014	0.29	576	28.9	24.4	9.7	376	1.26	474	1050	20.6	2.00	Y
8/20/2022	69.6	1,796	0.30	538	28.3	24.2	7.9	458	1.12	511	1049	20.7	2.00	Y
8/21/2022	70.2	1,781	0.17	309	28.7	23.0	7.2	492	1.25	614	923	20.7	2.00	Y
8/22/2022	60.9	2,054	0.10	213	28.6	23.3	7.8	457	1.21	554	767	20.7	2.00	Y
8/23/2022	56.4	2,219	0.10	219	28.8	23.4	8.4	427	1.21	518	737	20.7	2.00	Y
8/24/2022	56.9	2,200	0.09	198	28.8	23.2	8.6	416	1.22	507	705	20.9	2.00	Y
8/25/2022	56.0	2,234	0.07	158	28.8	23.6	7.6	474	1.22	579	736	20.9	2.00	Y
8/26/2022	54.8	2,283	0.06	135	28.8	23.9	7.8	462	1.23	566	701	21.0	2.00	Y
8/27/2022	65.0	1,925	0.06	124	28.8	24.2	7.8	466	1.25	585	708	21.0	2.00	Y
8/28/2022	65.4	1,911	0.07	138	28.8	24.6	8.0	459	1.25	572	710	21.2	2.00	Y
8/29/2022	64.2	1,949	0.08	159	28.8	23.0	7.7	462	1.29	595	754	21.4	2.00	Y
8/30/2022	59.9	2,088	0.06	118	28.8	24.1	7.7	472	1.28	605	723	21.5	2.00	Y
8/31/2022	52.8	2,370	0.06	131	28.8	24.2	8.1	447	1.18	527	659	21.5	2.00	Y
Avg	61.8	2,042	0.16	320	28.8	23.5	8.5	424	1.24	524	844	20.2	2.71	NA
Min	52.0	1,712	0.06	118	28.3	18.1	7.2	340	1.10	411	592	18.0	2.00	NA
Max	73.1	2,405	0.37	627	28.9	24.8	9.7	492	1.29	614	1156	21.5	4.00	NA



Notes:

Pipeline volume factor in SMMWSC to RW tank: 125,090 MG-min/day

Distribution System Monitoring

Chlorine Residual at Bacteriological Monitoring Stations (mg/L Free Cl₂)

WSSN:	0072	0390				0400			0470							0485					0517	0518		2180
	Akron	Bangor Twp.				Bangor Monitor Dist.			Bay City							Bay County					Beaver Rd	Beaver Twp		Essexville
Date	1	3	4	5	6	7	9	10	11	12	13	14	15	16	17	18	19	20	23	24	26	29	30	32
8/1/2022																								
8/2/2022	0.18	0.82	0.36	0.75	1.01											1.00	0.79	1.02	0.92	0.68		0.35		
8/3/2022									0.66	0.33	1.23	0.96	0.34	1.19	0.84					0.91				
8/4/2022																								
8/5/2022																								
8/6/2022																								
8/7/2022																								
8/8/2022																								
8/9/2022						0.93	1.08		0.79	0.39	0.54	0.67	0.28	0.97	0.53	0.74	0.85	0.75	0.80	0.58				
8/10/2022																								1.05
8/11/2022				0.87	1.03			1.01	0.76	0.49	0.60	0.70	0.34	1.02	0.73							0.34		
8/12/2022																								
8/13/2022																								
8/14/2022																								
8/15/2022																								1.09
8/16/2022																					1.00			
8/17/2022									0.93	0.45	0.48	0.74	0.29	1.22	0.62									
8/18/2022		0.93	0.33	0.83	1.02																			
8/19/2022																								
8/20/2022																								
8/21/2022																								
8/22/2022																								
8/23/2022									0.91	0.41	0.52	0.88	0.37	1.08	0.76									
8/24/2022																								1.01
8/25/2022									0.88	0.58	0.64	0.38		1.14	0.68									
8/26/2022																								
8/27/2022																								
8/28/2022																								
8/29/2022																								1
8/30/2022																								
8/31/2022									0.63	0.66	0.48	0.88	0.29	1.15	0.69									
Average	0.18			0.80				1.01				0.69							0.82		1.00		0.35	1.04
Min	0.18			0.33				0.93				0.28							0.58		1.00		0.34	1.00
Max	0.18			1.03				1.08				1.23							1.02		1.00		0.35	1.09

MONITORING STATION ADDRESSES




- | | | |
|--|---|---|
| 1. Sample station at corner of 5758 M-25 & R | 11. Number 1 Fire Station, 1401 Center Ave | 19. Dore's M-84 Party Store, 6183 WS Saginaw Rd |
| 3. Bangor Fire Station, 3921 Wheeler | 12. Number 2 Fire Station, 1000 Fremont Ave | 20. Pump Station #13, 6000 WS Saginaw Rd |
| 4. BCDWS Admin. Bldg. 3933 Patterson Rd. | 13. Skizak's Sport Shop, 807 Salzburg Ave | 23. Rail Trail Pump Station, 366 N. Tuscola Rd. |
| 5. 7-11, 3543 S. Old Kawkawlin Rd. | 14. Number 4 Fire Station, 212 S. Dean St | 24. Little Learners Daycare, 1694 Cass Ave. |
| 6. Admiral Petroleum, 314 S Euclid Ave. | 15. Number 5 Fire Station, 1209 Smith St | 26. Wieland Contracting, 2443 S Mackinaw Rd |
| 7. Sequin Lumber, 3881 Euclid Ave | 16. Bay City Hall, 301 Washington Ave | 29. Sample Station, 2515 S. 11 Mile Rd |
| 9. B's Boutique, 2981 Midland Rd | 17. Skipper Buds Marina, 1809 S Water St | 30. Sample Station, 340 W. Beaver Rd |
| 10. Little Caesars, 3475 E North Union Rd | 18. Bay Valley Animal Hospital 6015 WS Saginaw Rd | 32. Essexville City Hall, 1107 Woodside Ave |

Distribution System Monitoring																								
Chlorine Residual at Bacteriological Monitoring Stations (mg/L Free Cl2)																								
WSSN:	2465		2960			3565			3570		4280		4440			5330		5335		5540	7125			7134
	Fraser Twp.		Hampton Twp.			Kawkawlin Twp.			Kawkawlin Met.		Merritt Twp.		Monitor Twp.			City Pinconning		Pinconning Twp.		Portsmouth	Williams Twp.			Wisner
Date	34	35	37	38	39	40	41	42	43	45	46	48	49	52	55	58	59	61	63	65	68	69	70	72
8/1/2022																								
8/2/2022											0.47									0.43	0.68	0.83	0.56	0.45
8/3/2022																								
8/4/2022	0.25	0.83	0.60	0.55	0.57	1.02	0.53		0.88							0.66		0.34	0.63					
8/5/2022																								
8/6/2022																								
8/7/2022																								
8/8/2022			0.63	0.63	0.68																			
8/9/2022											0.49		1.02	0.84	0.81									
8/10/2022																								
8/11/2022													0.98	0.73	0.77						0.25	0.74	0.52	
8/12/2022																								
8/13/2022																								
8/14/2022																								
8/15/2022			0.40	0.48	0.67																			
8/16/2022								1.03	0.80							0.50								
8/17/2022																								
8/18/2022																								
8/19/2022																								
8/20/2022																								
8/21/2022																								
8/22/2022																								
8/23/2022			0.51																					
8/24/2022																								
8/25/2022																								
8/26/2022																								
8/27/2022																								
8/28/2022																								
8/29/2022																								
8/30/2022																								
8/31/2022																								
Average	0.54		0.57			0.86			0.84		0.48		0.86			0.58		0.49		0.43		0.60		0.45
Min	0.25		0.40			0.53			0.80		0.47		0.73			0.50		0.34		0.43		0.25		0.45
Max	0.83		0.68			1.03			0.88		0.49		1.02			0.66		0.63		0.43		0.83		0.45



MONITORING STATION ADDRESSES

- | | | |
|---|--|---|
| 34. Fraser Elevated Tank, 2949 1/2 N. Huron Rd | 43. Kawkawlin Party Store, 105 Grove St | 59. Marathon Gas Station, 511 S Mabel St |
| 35. Lloyd's Cabinet, 1947 N Huron Rd | 45. Kawkawlin Restaurant, 103 S Huron Rd | 61. Pinconning Meter Pit, 3005 N Huron Rd |
| 37. Hampton DPW, 950 Wagner Rd. | 46. John's Bar, 1476 S Tuscola Rd | 63. Master Meter Pit, 2865 Pinconning Rd |
| 38. Bay County Golf Course, 584 W Hampton Rd. | 48. Tool Shed Bar, 12 W Munger Rd | 65. Ike's Welding, 50 N Finn Rd |
| 39. Sewer Lift Station, 902 Nebobish Rd. | 49. Wilder Rd Party Store, 2951 E Wilder Rd | 68. Williams Township Hall, 1080 W Midland Rd |
| 40. Bay Co. Road Commisison, 2600 E Beaver Rd | 52. Monitor Twp. Elevated Tank, 1611 E. Midland Rd | 69. Pump Station, 490 W. Salzburg & 9 Mile Rd |
| 41. Parish Rd. Elevated Tank, 1770 E. Parish Rd | 55. Auburn Fertilizer, 4640 S 7 Mile Rd | 70. 11 Mile Elevated Tank, 5003 S. 11 Mile Rd |
| 42. Linwood Tile, 205 S Huron Rd | 58. Pinconning City Hall, 208 S Manitou St | 72. Lindy's Sales, 9051 M-25 |

Distribution System Bacteriological							
Water Supplier Bacteriological Analysis Report							
MICHIGAN DEPARTMENT OF PUBLIC HEALTH Bureau of Environmental Health Water Supplier Bacteriological Analysis Report				Name of Water Supply			
				Bay Area Water Treatment Plant			
				August, 2022			
COUNTY	COMMUNITY	WSSN NUMBER	DISTRIBUTION SYSTEM SAMPLES				
			avg free cl2 mg/L	NUMBER REQUIRED	NUMBER COLLECTED	NUMBER POSITIVE	NUMBER REPEAT SAMPLES
Tuscola	Akron	0072	0.18	1	1	0	0
BAY	Bangor Township	0390	0.80	10	10	0	0
BAY	Bangor-Monitor Dist.	0400	1.01	3	3	0	0
BAY	Bay City	0470	0.69	30	48	0	0
BAY	Bay County (Frankl./Monitor/Portsm.)	0485	0.82	9	11	1	3
BAY	Beaver Road Area	0517	1.00	1	1	0	0
BAY	Beaver Township	0518	0.35	2	2	0	0
BAY	Essexville	2180	1.04	4	4	0	0
BAY	Fraser Township	2465	0.54	2	2	0	0
BAY	Hampton Township	2960	0.57	10	10	0	0
BAY	Kawkawlin Township	3565	0.86	3	3	0	0
BAY	Kawkawlin Metro Dist.	3570	0.84	2	2	0	0
BAY	Merritt Township	4280	0.48	2	2	0	0
BAY	Monitor Township	4440	0.86	6	6	0	0
BAY	City of Pinconning	5330	0.58	2	2	0	0
BAY	Pinconning Township	5335	0.49	2	2	0	0
BAY	Portsmouth Township	5540	0.43	1	1	0	0
BAY	Williams Township	7125	0.60	6	6	0	0
Tuscola	Wisner	7134	0.45	1	1	0	0
Average Free Cl2 Residual of All Distribution Sites			0.66	mg/L			
1. Total distribution samples			117				
2. Total distribution samples with detectable free cl2 residual			117				
3. Total distribution samples with no detectable free cl2 residual			0				
4. Total distribution samples with no detectable free cl2 residual and HPC was <500			0				
5. Total distribution samples with no detectable free cl2 residual and HPC was >500			0				
6. Percent of distribution samples with no detectable free cl2 residual			0.00%				
7. Percent shown line #6 in previous monthly report			0.00%				
							
-8/2/2022 sample #24 (1694 Cass Ave.), was Total Coliform positive, E.coli negative.							
-8/3/2022 repeat samples # 24, #24A (1688 Cass Ave.) & #24B (1700 Cass Ave.) were all Total Coliform negative, E.coli negative.							
-8/3/2022 free chlorine residual at #24A was 0.84 mg/L. Free chlorine residual at #24B was 0.94 mg/L.							