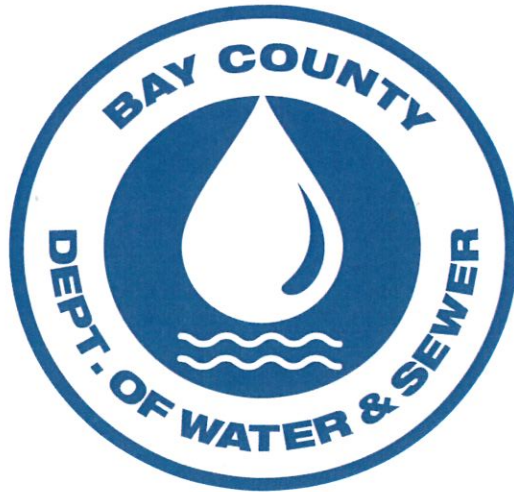


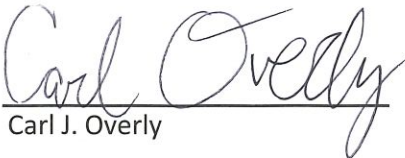
# Bay Area WTP

## Monthly Operations Report



August, 2025

Water Systems Serial Number: 0465

  
Carl J. Overly

Water Plant Superintendent  
Title

F-1, S-3, D-3  
Classification

  
Mike Wagar

Operations Supervisor  
Title

F-1, S-4  
Classification

# Bay Area Water Treatment Plant

## Monthly Operations Report

Supply Name: Bay Area Water System  
 WSSN: 0465

Carl J. Overly  
 Operator-in-charge

August, 2025  
 Month, Year

F-1, S-3, D-3  
 Certification of Operator-in-charge

F-1  
 Water Plant Classification

20001  
 Operator Identification Number for Operator-in-charge

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>11.0</u>	Millions of Gallons per Day
Maximum Approved Transmembrane Pressure	<u>22</u>	PSI
Maximum Operating Transmembrane Pressure	<u>16.42</u>	PSI
Maximum Approved Flux Rate	<u>36.25</u>	gpd/sq.ft.
Maximum Operating Flux Rate	<u>32.60</u>	gpd/sq.ft.

### Chemical Data

Sodium Hypochlorite on hand:	<u>3,006</u>	Gallons	Estimated Supply:	<u>26.3</u>	days
Caustic Soda on hand:	<u>3,873</u>	Gallons	Estimated Supply:	<u>265.3</u>	days
Corrosion Inhibitor on hand:	<u>508</u>	Gallons	Estimated Supply:	<u>17.8</u>	days
Hydrofluosilicic Acid on hand:	<u>1,248</u>	Gallons	Estimated Supply:	<u>55.9</u>	days
Aluminum Chlorohydrate on hand:	<u>685</u>	Gallons	Estimated Supply:	<u>104.7</u>	days
Sulfuric Acid on hand:	<u>120</u>	Gallons	Estimated Supply:	<u>60.0</u>	days
Sodium Bisulfite on hand:	<u>631</u>	Gallons	Estimated Supply:	<u>217.7</u>	days
Citric Acid on hand:	<u>458</u>	Gallons	Estimated Supply:	<u>36.7</u>	days
Cost of All Chemicals per Million Gallons:	<u>140.12</u>	Dollars			

### Utility Data

Estimated Electrical Kilo Watts per Million Gallons:	<u>937.29</u>	KW
Estimated Natural Gas Million Cubic Feet per Million Gallons:	<u>1.7</u>	Mcf

### 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

Skid 7 had its modules replaced during August. This marks the completion of this module replacement cycle. 2030 is forecasted to start the next cycle. On the 11th the Lauria Finished Water Flow Meter experienced and instrument failure. The drop out event was short term and the reading did return. However, this event shows multiple similarities to the 2022 event where the Euclid Finished Water Flow Meter failed. A replacement flow meter is on site and will likely be installed in September.

## Bay Area WTP Monthly Operating Report

Flows									
Date	Raw Water (MG)			Clarified (MG)	Sludge (MG)	Treated (MG)	Finished Water Pumped (MG)		
	N. Euclid	Lauria Road	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
8/1/2025	4.77	2.84	7.61	0.24	0.08	9.28	4.76	3.85	8.61
8/2/2025	5.49	3.05	8.54	0.20	0.08	8.35	4.37	3.52	7.89
8/3/2025	5.34	4.00	9.34	0.27	0.08	9.31	4.67	3.80	8.47
8/4/2025	5.05	5.63	10.68	0.19	0.11	9.96	5.05	4.11	9.16
8/5/2025	5.13	5.93	11.06	0.30	0.09	10.03	5.08	4.13	9.21
8/6/2025	4.79	4.11	8.89	0.22	0.09	9.85	5.02	4.07	9.09
8/7/2025	4.71	4.27	8.97	0.16	0.19	8.67	4.47	3.60	8.07
8/8/2025	4.87	4.45	9.32	0.17	0.19	10.22	5.11	4.16	9.26
8/9/2025	5.62	4.29	9.90	0.21	0.14	9.39	4.83	3.90	8.73
8/10/2025	5.35	4.80	10.15	0.12	0.26	10.24	5.28	4.30	9.58
8/11/2025	5.03	5.97	10.99	0.18	0.18	10.96	5.50	3.75	9.25
8/12/2025	4.79	6.55	11.35	0.19	0.15	9.58	4.99	2.35	7.34
8/13/2025	4.62	3.67	8.30	0.19	0.09	8.86	4.53	3.63	8.16
8/14/2025	4.59	3.89	8.49	0.17	0.14	8.89	4.56	3.63	8.19
8/15/2025	4.55	4.56	9.11	0.23	0.08	9.16	4.70	3.50	8.21
8/16/2025	4.45	4.81	9.26	0.22	0.08	9.02	4.53	3.66	8.19
8/17/2025	4.57	4.86	9.44	0.21	0.08	9.01	4.59	3.73	8.32
8/18/2025	4.28	5.14	9.42	0.21	0.08	9.61	4.84	3.94	8.79
8/19/2025	4.03	4.36	8.39	0.22	0.11	8.44	4.29	3.45	7.74
8/20/2025	4.07	4.17	8.23	0.16	0.11	8.00	4.12	3.31	7.43
8/21/2025	4.19	4.25	8.43	0.13	0.15	8.33	4.23	3.42	7.65
8/22/2025	4.25	3.77	8.02	0.05	0.26	8.58	4.37	3.55	7.92
8/23/2025	4.84	4.09	8.93	0.08	0.26	8.67	4.33	3.54	7.87
8/24/2025	4.59	4.15	8.74	0.05	0.26	7.98	3.96	3.31	7.26
8/25/2025	4.07	4.27	8.34	0.07	0.26	8.50	4.34	3.52	7.86
8/26/2025	4.02	4.13	8.15	0.10	0.20	8.53	4.37	3.54	7.91
8/27/2025	4.03	4.81	8.84	0.07	0.25	8.28	4.26	3.47	7.73
8/28/2025	4.00	4.70	8.70	0.14	0.14	8.29	4.13	3.35	7.49
8/29/2025	3.98	4.48	8.46	0.20	0.08	8.66	4.38	3.55	7.93
8/30/2025	3.93	4.57	8.50	0.13	0.16	7.87	4.00	3.20	7.20
8/31/2025	3.29	4.25	7.54	0.18	0.09	7.85	3.98	3.20	7.17
Total	141.27	138.81	280.08	5.27	4.54	278.37	141.65	112.04	253.68
Avg	4.56	4.48	9.03	0.17	0.15	8.98	4.57	3.61	8.18
Min	3.29	2.84	7.54	0.05	0.08	7.85	3.96	2.35	7.17
Max	5.62	6.55	11.35	0.30	0.26	10.96	5.50	4.30	9.58

Recovery Process Efficiency
Sludge Flow / Recovery Flow
46.3%

Facility Water Efficiency		
Waste (MG)	Treated (MG)	T/W (G)
10.41	278.37	26.7

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 - Mem Feed	AIT-1035-2	Lab	
8/1/2025	19.6	8.43	0.85	1.12	0.10	0.02	Negative	Negative
8/2/2025	20.5	8.33	1.13	2.19	0.10	0.06	Positive	Negative
8/3/2025	21.1	8.22	0.95	1.62	0.09	0.10	Negative	Negative
8/4/2025	21.7	8.19	0.75	0.98	0.08	0.13	Negative	Negative
8/5/2025	22.0	8.19	0.74	0.90	0.09	0.13	Negative	Negative
8/6/2025	22.3	8.33	1.04	1.25	0.09	0.07	Negative	Negative
8/7/2025	22.5	8.33	1.03	1.29	0.09	0.08	Negative	Negative
8/8/2025	22.6	8.22	0.68	1.13	0.09	0.16	Negative	Negative
8/9/2025	22.8	8.20	1.30	1.76	0.09	0.09	Negative	Negative
8/10/2025	22.9	8.08	1.33	1.47	0.09	0.04	Negative	Negative
8/11/2025	21.4	7.98	1.10	1.96	0.09	0.10	Negative	Negative
8/12/2025	19.2	7.92	0.79	1.06	0.09	0.29	Negative	Negative
8/13/2025	17.6	7.97	0.64	0.86	0.09	0.35	Negative	Negative
8/14/2025	16.3	7.95	0.51	2.21	0.09	0.55	Negative	Negative
8/15/2025	16.1	8.07	0.72	1.13	0.08	0.32	Negative	Negative
8/16/2025	18.5	8.26	1.35	1.55	0.09	0.09	Negative	Negative
8/17/2025	18.5	8.16	1.08	1.28	0.10	0.27	Negative	Negative
8/18/2025	18.5	8.23	1.48	10.01	0.10	0.20	Negative	Negative
8/19/2025	20.0	8.29	2.39	3.07	0.09	0.05	Negative	Negative
8/20/2025	20.3	8.24	2.35	3.22	0.10	0.04	Negative	Negative
8/21/2025	20.5	8.23	2.12	4.29	0.09	0.03	Negative	Negative
8/22/2025	20.8	8.18	2.65	3.93	0.09	0.03	Negative	Negative
8/23/2025	20.9	8.13	1.77	2.41	0.09	0.05	Negative	Negative
8/24/2025	20.6	8.03	1.81	6.88	0.09	0.07	Negative	Negative
8/25/2025	20.1	8.08	1.30	1.52	0.09	0.05	Negative	Negative
8/26/2025	18.3	7.94	1.09	1.46	0.08	0.30	Negative	Negative
8/27/2025	16.7	7.97	0.91	1.03	0.09	0.46	Negative	Negative
8/28/2025	18.1	8.10	0.77	0.94	0.09	0.32	Negative	Negative
8/29/2025	18.1	8.10	0.91	1.26	0.08	0.29	Negative	Negative
8/30/2025	18.4	8.12	1.18	1.45	0.08	0.28	Negative	Negative
8/31/2025	18.8	8.18	1.01	1.31	0.08	0.22	Negative	Negative
Avg	19.9	8.15	1.22	2.15	0.09	0.17	NA	NA
Min	16.1	7.92	0.51	0.86	0.08	0.02	NA	NA
Max	22.9	8.43	2.65	10.01	0.10	0.55	NA	NA

F Ratio, Raw/Tap: 12.7

Finished Water Analysis																			
Date	Temp	pH	Phosphate	Fluoride		Free Cl <sub>2</sub>	Hardness	Alkalinity (as CaCO <sub>3</sub> )		Chloride	Sulfate	Calcium (as CaCO <sub>3</sub> )	Dissolved Oxygen	Conductivity	Langelier Saturation Index	Chloride: Sulfate Mass Ratio	Larson-Skold Index	Bacteri	
	Average	Average	Average	Tap	Dist	Average	Grab	Carbonate	Bicarbonate	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Positive/Negative	
	°C		mg/L	mg/L		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	Lab	Calculated		Lab	
8/1/2025	18.0	7.67	3.38	0.71		1.27	104.00	0	80	14	11	78	10.7	237	-0.54	1.26	0.48	Negative	Negative
8/2/2025	19.5	7.72	3.38	0.70		1.27	116.00	0	80	14	11	74	10.5	246	-0.48	1.30	0.49	Negative	Negative
8/3/2025	20.5	7.71	3.38	0.71		1.30	102.00	0	74	17	11	80	10.3	246	-0.47	1.50	0.58	Negative	Negative
8/4/2025	21.6	7.67	3.39	0.68	0.66	1.31	102.00	0	76	14	11	80	10.5	244	-0.47	1.30	0.51	Negative	Negative
8/5/2025	21.9	7.65	3.38	0.69		1.30	104.00	0	73	13	10	82	10.4	244	-0.49	1.30	0.48	Negative	Negative
8/6/2025	22.1	7.67	3.39	0.68		1.29	104.00	0	84	16	11	80	10.2	247	-0.42	1.45	0.50	Negative	Negative
8/7/2025	22.3	7.72	3.37	0.70		1.28	116.00	0	83	15	11	76	10.1	252	-0.39	1.35	0.48	Negative	Negative
8/8/2025	22.6	7.79	3.32	0.70		1.31	116.00	0	83	14	10	74	10.0	246	-0.33	1.42	0.45	Negative	Negative
8/9/2025	22.8	7.85	3.32	0.70		1.30	120.00	0	82	14	10	76	9.9	244	-0.25	1.39	0.45	Negative	Negative
8/10/2025	23.0	7.81	3.34	0.70		1.29	118.00	0	82	15	11	74	9.9	250	-0.31	1.35	0.49	Negative	Negative
8/11/2025	22.5	7.71	3.36	0.71	0.71	1.30	118.00	0	82	14	10	74	10.2	269	-0.42	1.36	0.44	Negative	Negative
8/12/2025	20.8	7.66	3.34	0.71		1.38	118.00	0	80	12	9	76	10.7	257	-0.50	1.33	0.40	Negative	Negative
8/13/2025	19.0	7.62	3.34	0.70		1.37	106.00	0	78	11	10	76	11.5	249	-0.60	1.09	0.41	Negative	Negative
8/14/2025	17.7	7.61	3.33	0.72		1.33	100.00	0	75	13	9	78	11.1	247	-0.63	1.44	0.45	Negative	Negative
8/15/2025	16.7	7.61	3.33	0.71		1.35	98.00	0	75	13	9	80	11.5	245	-0.65	1.44	0.45	Negative	Negative
8/16/2025	17.4	7.63	3.34	0.71		1.27	104.00	0	78	14	9	80	11.1	254	-0.59	1.56	0.46	Negative	Negative
8/17/2025	18.6	7.67	3.34	0.72		1.31	104.00	0	77	15	10	82	10.6	257	-0.53	1.45	0.49	Negative	Negative
8/18/2025	18.4	7.66	3.34	0.73	0.69	1.32	104.00	0	75	13	9	82	11.1	253	-0.55	1.44	0.45	Negative	Negative
8/19/2025	19.2	7.67	3.34	0.72		1.29	104.00	0	74	14	9	78	11.1	262	-0.55	1.50	0.47	Negative	Negative
8/20/2025	20.2	7.70	3.33	0.76		1.27	110.00	0	83	13	10	82	10.5	269	-0.44	1.32	0.43	Negative	Negative
8/21/2025	20.7	7.68	3.33	0.70		1.28	110.00	0	81	14	11	72	10.9	275	-0.50	1.31	0.48	Negative	Negative
8/22/2025	21.2	7.66	3.33	0.69		1.30	110.00	0	81	14	11	74	10.4	274	-0.51	1.31	0.48	Negative	Negative
8/23/2025	21.3	7.64	3.33	0.70		1.28	108.00	0	81	15	11	78	10.7	270	-0.50	1.33	0.49	Negative	Negative
8/24/2025	21.2	7.61	3.32	0.69		1.31	108.00	0	81	14	11	76	10.2	272	-0.54	1.25	0.47	Negative	Negative
8/25/2025	21.0	7.57	3.29	0.70	0.70	1.28	106.00	0	81	14	10	78	10.2	267	-0.57	1.36	0.45	Negative	Negative
8/26/2025	20.6	7.56	3.28	0.69		1.31	112.00	0	81	13	9	78	10.0	263	-0.59	1.44	0.42	Negative	Negative
8/27/2025	19.1	7.52	3.37	0.70		1.35	106.00	0	80	12	10	78	10.8	255	-0.67	1.15	0.41	Negative	Negative
8/28/2025	17.9	7.51	3.41	0.71		1.31	108.00	0	80	11	10	74	10.9	249	-0.73	1.11	0.40	Negative	Negative
8/29/2025	18.0	7.53	3.40	0.70		1.29	106.00	0	79	11	10	74	10.6	250	-0.71	1.09	0.40	Negative	Negative
8/30/2025	18.3	7.52	3.28	0.71		1.30	104.00	0	78	11	9	74	10.5	247	-0.72	1.17	0.38	Negative	Negative
8/31/2025	18.7	7.52	3.24	0.70		1.28	106.00	0	78	11	9	74	10.0	247	-0.71	1.22	0.39	Negative	Negative
Avg	20.1	7.65	3.34	0.70	0.69	1.30	108.13	0	79	13	10	77	10.6	254	-0.53	1.33	0.46	NA	NA
Min	16.7	7.51	3.24	0.68	0.66	1.27	98.00	0	73	11	9	72	9.9	237	-0.73	1.09	0.38	NA	NA
Max	23.0	7.85	3.41	0.76	0.71	1.38	120.00	0	84	17	11	82	11.5	275	-0.25	1.56	0.58	NA	NA

Plant Tap Disinfection Byproduct Monitoring - Results in ppb			
Date	Total Trihalomethanes - TTHM		
	Result	LRAA	OEL
8/5/25	52	33	40

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
8/1/2025	0.85	1.12	11.64	0.63	0.029	0.031	96	0	0.0	0.024
8/2/2025	1.13	2.19	20.95	0.90	0.031	0.032	96	0	0.0	0.025
8/3/2025	0.95	1.62	36.47	0.94	0.031	0.032	96	0	0.0	0.025
8/4/2025	0.75	0.98	28.87	0.83	0.031	0.032	96	0	0.0	0.025
8/5/2025	0.74	0.90	52.91	0.79	0.031	0.034	96	0	0.0	0.025
8/6/2025	1.04	1.25	95.40	0.87	0.032	0.033	96	0	0.0	0.026
8/7/2025	1.03	1.29	47.90	0.98	0.033	0.033	96	0	0.0	0.026
8/8/2025	0.68	1.13	14.47	0.80	0.034	0.036	96	0	0.0	0.027
8/9/2025	1.30	1.76	30.73	0.94	0.034	0.035	96	0	0.0	0.027
8/10/2025	1.33	1.47	31.55	1.22	0.035	0.036	96	0	0.0	0.028
8/11/2025	1.10	1.96	52.40	1.22	0.034	0.035	96	0	0.0	0.027
8/12/2025	0.79	1.06	37.31	0.96	0.031	0.033	96	0	0.0	0.026
8/13/2025	0.64	0.86	31.71	0.77	0.030	0.030	96	0	0.0	0.025
8/14/2025	0.51	2.21	16.58	0.60	0.028	0.030	96	0	0.0	0.025
8/15/2025	0.72	1.13	1.55	0.55	0.028	0.029	96	0	0.0	0.025
8/16/2025	1.35	1.55	8.24	0.92	0.030	0.032	96	0	0.0	0.026
8/17/2025	1.08	1.28	29.41	1.09	0.031	0.032	96	0	0.0	0.026
8/18/2025	1.48	10.01	60.17	1.15	0.031	0.033	96	0	0.0	0.026
8/19/2025	2.39	3.07	79.24	1.73	0.032	0.033	96	0	0.0	0.026
8/20/2025	2.35	3.22	56.36	2.07	0.033	0.035	96	0	0.0	0.027
8/21/2025	2.12	4.29	61.54	1.94	0.034	0.036	96	0	0.0	0.027
8/22/2025	2.65	3.93	14.42	2.12	0.034	0.036	96	0	0.0	0.027
8/23/2025	1.77	2.41	35.04	1.82	0.034	0.035	96	0	0.0	0.027
8/24/2025	1.81	6.88	36.71	1.68	0.034	0.035	96	0	0.0	0.027
8/25/2025	1.30	1.52	8.84	1.34	0.033	0.035	96	0	0.0	0.027
8/26/2025	1.09	1.46	12.17	1.10	0.034	0.035	96	0	0.0	0.027
8/27/2025	0.91	1.03	20.80	0.82	0.031	0.033	96	0	0.0	0.026
8/28/2025	0.77	0.94	25.12	0.68	0.031	0.032	96	0	0.0	0.025
8/29/2025	0.91	1.26	27.30	0.63	0.031	0.032	96	0	0.0	0.025
8/30/2025	1.18	1.45	25.06	0.72	0.031	0.033	96	0	0.0	0.025
8/31/2025	1.01	1.31	12.77	0.81	0.032	0.034	96	0	0.0	0.026
Avg	1.22	2.15	33.02	1.08	0.032	0.033	96	0	0.0	0.026
Min	0.51	0.86	1.55	0.55	0.028	0.029	96	0	0.0	0.024
Max	2.65	10.01	95.40	2.12	0.035	0.036	96	0	0.0	0.028

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

Date	Membrane LRV/Integrity/Max Turbidity																									
	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		
	Minimum	Max	Max	Minimum	Pass/Fail	Max	Minimum	Pass/Fail	Max	Minimum	Pass/Fail	Max	Minimum	Pass/Fail	Max	Minimum	Pass/Fail	Max	Minimum	Pass/Fail	Max	Minimum	Pass/Fail	Max		
Daily Value	Pass/Fail	NTU	Daily Value	Pass/Fail	NTU	Daily Value	Pass/Fail	NTU	Daily Value	Pass/Fail	NTU	Daily Value	Pass/Fail	NTU	Daily Value	Pass/Fail	NTU	Daily Value	Pass/Fail	NTU	Daily Value	Pass/Fail	NTU	Daily Value	Pass/Fail	NTU
8/1/2025	5.55	PASS	0.027	4.85	PASS	0.030	5.17	PASS	0.030	4.78	PASS	0.028	5.44	PASS	0.027	5.24	PASS	0.027	4.07	PASS	0.026	5.23	PASS	0.027		
8/2/2025	5.45	PASS	0.028	4.81	PASS	0.031	5.14	PASS	0.031	4.78	PASS	0.029	5.42	PASS	0.028	4.80	PASS	0.028	4.07	PASS	0.026	5.21	PASS	0.028		
8/3/2025	5.41	PASS	0.027	4.81	PASS	0.031	5.17	PASS	0.031	4.75	PASS	0.026	5.36	PASS	0.027	4.74	PASS	0.028	4.06	PASS	0.026	5.13	PASS	0.027		
8/4/2025	5.51	PASS	0.027	4.84	PASS	0.031	5.27	PASS	0.031	4.79	PASS	0.026	5.33	PASS	0.027	4.83	PASS	0.027	4.08	PASS	0.026	5.14	PASS	0.027		
8/5/2025	5.38	PASS	0.027	4.68	PASS	0.030	5.15	PASS	0.030	4.57	PASS	0.026	5.25	PASS	0.030	5.11	PASS	0.027	4.06	PASS	0.025	5.07	PASS	0.027		
8/6/2025	5.37	PASS	0.028	4.54	PASS	0.031	5.09	PASS	0.031	4.52	PASS	0.026	5.13	PASS	0.027	4.69	PASS	0.028	4.01	PASS	0.026	4.62	PASS	0.027		
8/7/2025	5.34	PASS	0.028	4.67	PASS	0.031	5.05	PASS	0.031	4.55	PASS	0.026	5.08	PASS	0.028	4.71	PASS	0.029	3.99	PASS	0.026	4.93	PASS	0.028		
8/8/2025	5.50	PASS	0.029	4.71	PASS	0.031	5.18	PASS	0.031	4.71	PASS	0.029	5.27	PASS	0.029	5.19	PASS	0.029	4.02	PASS	0.027	5.13	PASS	0.029		
8/9/2025	5.53	PASS	0.029	4.69	PASS	0.030	5.15	PASS	0.030	4.76	PASS	0.029	5.25	PASS	0.029	4.79	PASS	0.029	4.02	PASS	0.027	5.10	PASS	0.029		
8/10/2025	5.42	PASS	0.029	4.82	PASS	0.030	5.18	PASS	0.030	4.77	PASS	0.030	5.33	PASS	0.029	4.80	PASS	0.029	4.07	PASS	0.028	4.98	PASS	0.029		
8/11/2025	5.41	PASS	0.029	4.77	PASS	0.030	5.20	PASS	0.030	4.68	PASS	0.029	5.28	PASS	0.028	4.78	PASS	0.029	4.05	PASS	0.028	5.11	PASS	0.030		
8/12/2025	5.40	PASS	0.030	4.77	PASS	0.029	5.20	PASS	0.028	4.70	PASS	0.028	5.27	PASS	0.027	5.26	PASS	0.030				5.16	PASS	0.028		
8/13/2025	5.53	PASS	0.027	4.76	PASS	0.027	5.13	PASS	0.027	4.69	PASS	0.026	5.35	PASS	0.025	5.24	PASS	0.026				5.36	PASS	0.026		
8/14/2025	5.53	PASS	0.030	4.84	PASS	0.027	5.13	PASS	0.027	4.74	PASS	0.026	5.36	PASS	0.025	5.28	PASS	0.027				5.36	PASS	0.025		
8/15/2025	5.49	PASS	0.027	4.84	PASS	0.027	5.29	PASS	0.026	4.78	PASS	0.028	5.29	PASS	0.025	5.28	PASS	0.026				5.34	PASS	0.026		
8/16/2025	5.42	PASS	0.027	4.76	PASS	0.029	5.29	PASS	0.028	4.76	PASS	0.030	5.31	PASS	0.025	4.81	PASS	0.027				5.26	PASS	0.027		
8/17/2025	5.43	PASS	0.027	4.74	PASS	0.028	5.14	PASS	0.028	4.74	PASS	0.028	5.27	PASS	0.026	4.76	PASS	0.027				5.15	PASS	0.027		
8/18/2025	5.37	PASS	0.027	4.74	PASS	0.029	5.21	PASS	0.028	4.67	PASS	0.028	5.20	PASS	0.026	4.84	PASS	0.027				5.12	PASS	0.027		
8/19/2025	5.32	PASS	0.028	4.54	PASS	0.030	5.09	PASS	0.030	4.53	PASS	0.029	5.01	PASS	0.027	4.75	PASS	0.028				5.02	PASS	0.028		
8/20/2025	5.35	PASS	0.029	4.59	PASS	0.031	4.99	PASS	0.031	4.61	PASS	0.030	5.05	PASS	0.028	4.75	PASS	0.029				4.99	PASS	0.029		
8/21/2025	5.31	PASS	0.029	4.65	PASS	0.031	5.02	PASS	0.032	4.58	PASS	0.030	5.11	PASS	0.029	4.99	PASS	0.029				4.70	PASS	0.029		
8/22/2025	5.34	PASS	0.029	4.74	PASS	0.031	5.07	PASS	0.033	4.74	PASS	0.030	5.16	PASS	0.029	5.04	PASS	0.029	5.60	PASS	0.029	4.71	PASS	0.030		
8/23/2025	5.43	PASS	0.029	4.75	PASS	0.031	5.07	PASS	0.033	4.70	PASS	0.030	5.18	PASS	0.030	4.89	PASS	0.029	5.52	PASS	0.029	4.98	PASS	0.030		
8/24/2025	5.43	PASS	0.029	4.73	PASS	0.031	5.04	PASS	0.032	4.75	PASS	0.030	5.21	PASS	0.029	4.82	PASS	0.029	5.44	PASS	0.028	4.74	PASS	0.030		
8/25/2025	5.43	PASS	0.028	4.73	PASS	0.032	5.02	PASS	0.032	4.74	PASS	0.031	5.22	PASS	0.028	4.85	PASS	0.028	5.37	PASS	0.028	4.74	PASS	0.029		
8/26/2025	5.34	PASS	0.028	4.73	PASS	0.030	5.00	PASS	0.030	4.70	PASS	0.030	5.16	PASS	0.028	5.01	PASS	0.032	5.38	PASS	0.027	4.78	PASS	0.028		
8/27/2025	5.34	PASS	0.027	4.78	PASS	0.029	5.14	PASS	0.030	4.74	PASS	0.028	5.13	PASS	0.026	4.94	PASS	0.028	5.37	PASS	0.026	4.93	PASS	0.027		
8/28/2025	5.44	PASS	0.026	4.80	PASS	0.028	5.13	PASS	0.028	4.75	PASS	0.027	5.14	PASS	0.025	4.88	PASS	0.026	5.38	PASS	0.026	5.04	PASS	0.026		
8/29/2025	5.45	PASS	0.026	4.76	PASS	0.027	5.15	PASS	0.028	4.76	PASS	0.027	5.22	PASS	0.025	5.21	PASS	0.026	5.34	PASS	0.026	4.84	PASS	0.026		
8/30/2025	5.46	PASS	0.026	4.77	PASS	0.028	5.16	PASS	0.029	4.77	PASS	0.027	5.26	PASS	0.025	5.25	PASS	0.026	5.34	PASS	0.026	4.84	PASS	0.026		
8/31/2025	5.52	PASS	0.026	4.89	PASS	0.028	5.14	PASS	0.029	4.83	PASS	0.027	5.30	PASS	0.026	4.84	PASS	0.026	5.43	PASS	0.026	5.08	PASS	0.027		
Avg	5.43		0.028	4.74		0.030	5.13		0.030	4.71		0.028	5.24		0.027	4.95		0.028	4.70		0.027	5.03		0.028		
Min	5.31		0.026	4.54		0.027	4.99		0.026	4.52		0.026	5.01		0.025	4.69		0.026	3.99		0.025	4.62		0.025		
Max	5.55		0.030	4.89		0.032	5.29		0.033	4.83		0.031	5.44		0.030	5.28		0.032	5.60		0.029	5.36		0.030		

Note: As calculated by the manufacturer, the Upper Control Limit (UCL) for the installed membrane filtration system is 3.32 psi/min.

Per the manufacturer's UCL calculation: Q = 1,848 gpm, ALCR = 44.6, P atm = 14.4 psi, LRC = 3, V sys = 356.9 gallons, and VCF = 1.

Operational Guidelines: We have established the following parameter values as control limits to trigger skids to be taken out of service and evaluated.

Min LRV: A value of 3.3.

Max NTU: A turbidity reading of 0.15 NTU or greater.

Flow or Q: While not shown here, a skid will be evaluated if it cannot sustain a flow above 1,000 GPM

Max Air Hold Test Result: While not shown on this page, an AHT result of 0.84 PSI/Min or greater.

In Service Dates For Modules			
	Train 1		Train 2
Skid 1	8/2024	12/2023	Skid 2
Skid 3	11/2023	7/2025	Skid 4
Skid 5	2/2023	10/2024	Skid 6
Skid 7	8/2025	1/2023	Skid 8

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 <sub>2</sub>					PO4		F <sup>-</sup>		
	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 - Mem Feed	Added	Lab
8/1/2025	9.3	0.02	0.04	1.48	1.48	1.27	3.15	3.38	0.10	0.56	0.71
8/2/2025	8.3	0.06	0.02	1.58	1.56	1.27	3.15	3.38	0.10	0.56	0.70
8/3/2025	9.3	0.10	0.03	1.58	1.58	1.30	3.15	3.38	0.09	0.56	0.71
8/4/2025	10.0	0.13	0.04	1.50	1.55	1.31	3.15	3.39	0.08	0.56	0.68
8/5/2025	10.0	0.13	0.05	1.54	1.54	1.30	3.15	3.38	0.09	0.56	0.69
8/6/2025	9.9	0.07	0.04	1.58	1.53	1.29	3.15	3.39	0.09	0.56	0.68
8/7/2025	8.7	0.08	0.03	1.66	1.58	1.28	3.15	3.37	0.09	0.56	0.70
8/8/2025	10.2	0.16	0.04	1.62	1.57	1.31	3.15	3.32	0.09	0.56	0.70
8/9/2025	9.4	0.09	0.04	1.62	1.55	1.30	3.16	3.32	0.09	0.56	0.70
8/10/2025	10.2	0.04	0.03	1.68	1.56	1.29	3.19	3.34	0.09	0.56	0.70
8/11/2025	11.0	0.10	0.04	1.68	1.57	1.30	3.19	3.36	0.09	0.56	0.71
8/12/2025	9.6	0.29	0.07	1.50	1.58	1.38	3.19	3.34	0.09	0.56	0.71
8/13/2025	8.9	0.35	0.13	1.42	1.49	1.37	3.19	3.34	0.09	0.56	0.70
8/14/2025	8.9	0.55	0.18	1.40	1.51	1.33	3.19	3.33	0.09	0.56	0.72
8/15/2025	9.2	0.32	0.23	1.30	1.46	1.35	3.21	3.33	0.08	0.56	0.71
8/16/2025	9.0	0.09	0.09	1.57	1.44	1.27	3.21	3.34	0.09	0.56	0.71
8/17/2025	9.0	0.27	0.08	1.30	1.53	1.31	3.21	3.34	0.10	0.56	0.72
8/18/2025	9.6	0.20	0.10	1.24	1.50	1.32	3.21	3.34	0.10	0.56	0.73
8/19/2025	8.4	0.05	0.03	1.27	1.49	1.29	3.21	3.34	0.09	0.56	0.72
8/20/2025	8.0	0.04	0.02	1.50	1.52	1.27	3.21	3.33	0.10	0.56	0.76
8/21/2025	8.3	0.03	0.02	1.86	1.57	1.28	3.21	3.33	0.09	0.56	0.70
8/22/2025	8.6	0.03	0.02	1.66	1.57	1.30	3.21	3.33	0.09	0.56	0.69
8/23/2025	8.7	0.05	0.02	1.60	1.56	1.28	3.21	3.33	0.09	0.56	0.70
8/24/2025	8.0	0.07	0.02	1.61	1.62	1.31	3.21	3.32	0.09	0.56	0.69
8/25/2025	8.5	0.05	0.02	1.62	1.54	1.28	3.21	3.29	0.09	0.56	0.70
8/26/2025	8.5	0.30	0.04	1.56	1.55	1.31	3.26	3.28	0.08	0.56	0.69
8/27/2025	8.3	0.46	0.15	1.34	1.55	1.35	3.26	3.37	0.09	0.56	0.70
8/28/2025	8.3	0.32	0.17	1.36	1.47	1.31	3.26	3.41	0.09	0.56	0.71
8/29/2025	8.7	0.29	0.14	1.39	1.46	1.29	3.24	3.40	0.08	0.56	0.70
8/30/2025	7.9	0.28	0.13	1.42	1.48	1.30	3.12	3.28	0.08	0.56	0.71
8/31/2025	7.9	0.22	0.10	1.50	1.48	1.28	3.10	3.24	0.08	0.56	0.70
Avg	9.0	0.17	0.07	1.51	1.53	1.30	3.19	3.34	0.09	0.56	0.70
Min	7.9	0.02	0.02	1.24	1.44	1.27	3.10	3.24	0.08	0.56	0.68
Max	11.0	0.55	0.23	1.86	1.62	1.38	3.26	3.41	0.10	0.56	0.76

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 <sub>2</sub>	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	AIT-4040-1	Calculated	Calculated
8/1/2025	59.2	2,114	0.02	38	28.8	24.4	8.6	423	1.23	259	297	18.0	4.00	Y
8/2/2025	66.9	1,870	0.06	105	28.6	22.1	7.9	440	1.22	268	373	19.5	4.00	Y
8/3/2025	67.8	1,844	0.10	184	28.8	21.1	8.5	404	1.28	258	442	20.5	2.00	Y
8/4/2025	67.4	1,856	0.13	238	28.8	20.9	9.2	372	1.28	237	475	21.6	2.00	Y
8/5/2025	63.6	1,966	0.13	260	28.8	22.8	9.2	384	1.26	242	503	21.9	2.00	Y
8/6/2025	64.6	1,937	0.07	140	28.8	24.4	9.1	401	1.25	250	390	22.1	2.00	Y
8/7/2025	62.6	1,999	0.08	155	28.7	23.3	8.1	441	1.23	272	427	22.3	2.00	Y
8/8/2025	62.8	1,991	0.16	315	28.8	22.2	9.3	378	1.26	238	553	22.6	2.00	Y
8/9/2025	75.1	1,666	0.09	157	28.6	22.1	8.7	398	1.28	254	410	22.8	2.00	Y
8/10/2025	76.0	1,645	0.04	67	28.8	23.4	9.6	373	1.24	231	298	23.0	2.00	Y
8/11/2025	70.4	1,777	0.10	173	29.1	22.2	9.2	380	1.23	233	406	22.5	2.00	Y
8/12/2025	68.1	1,836	0.29	525	28.8	22.9	7.3	483	1.29	311	836	20.8	2.00	Y
8/13/2025	63.4	1,972	0.35	689	28.8	24.3	8.2	446	1.31	292	981	19.0	4.00	Y
8/14/2025	54.8	2,282	0.55	1260	28.6	21.8	8.2	422	1.29	272	1532	17.7	4.00	Y
8/15/2025	58.2	2,151	0.32	679	28.8	22.0	8.2	424	1.28	272	950	16.7	4.00	Y
8/16/2025	68.5	1,827	0.09	156	28.8	21.8	8.2	424	1.25	264	421	17.4	4.00	Y
8/17/2025	69.5	1,801	0.27	487	28.9	22.1	8.3	420	1.25	263	750	18.6	4.00	Y
8/18/2025	67.3	1,860	0.20	373	28.9	21.8	8.8	395	1.24	245	618	18.4	4.00	Y
8/19/2025	62.4	2,004	0.05	105	28.8	23.8	7.7	465	1.22	284	389	19.2	4.00	Y
8/20/2025	52.8	2,368	0.04	83	28.6	24.0	7.4	485	1.23	298	381	20.2	2.00	Y
8/21/2025	54.9	2,278	0.03	68	28.8	24.2	7.6	475	1.24	295	363	20.7	2.00	Y
8/22/2025	55.7	2,246	0.03	69	28.8	22.0	7.9	439	1.26	277	346	21.2	2.00	Y
8/23/2025	65.5	1,910	0.05	94	28.6	23.7	7.9	456	1.20	273	367	21.3	2.00	Y
8/24/2025	66.5	1,881	0.07	133	28.6	22.7	7.3	484	1.24	300	433	21.2	2.00	Y
8/25/2025	62.6	1,999	0.05	109	28.9	23.5	7.9	457	1.22	279	388	21.0	2.00	Y
8/26/2025	52.8	2,371	0.30	719	28.8	22.1	7.9	441	1.24	273	992	20.6	2.00	Y
8/27/2025	53.1	2,356	0.46	1095	28.9	22.4	7.7	454	1.32	299	1394	19.1	4.00	Y
8/28/2025	53.9	2,320	0.32	753	28.6	21.8	7.5	461	1.28	295	1048	17.9	4.00	Y
8/29/2025	54.6	2,291	0.29	673	28.9	22.4	7.9	443	1.26	279	952	18.0	4.00	Y
8/30/2025	61.5	2,034	0.28	575	28.8	24.0	7.2	503	1.28	321	896	18.3	4.00	Y
8/31/2025	62.5	2,003	0.22	437	28.8	24.8	7.2	512	1.23	314	751	18.7	4.00	Y
Avg	62.7	2,015	0.17	352	28.8	22.8	8.2	435	1.25	273	625	20.1	2.90	NA
Min	52.8	1,645	0.02	38	28.6	20.9	7.2	372	1.20	231	297	16.7	2.00	NA
Max	76.0	2,371	0.55	1260	29.1	24.8	9.6	512	1.32	321	1532	23.0	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 Cl <sub>2</sub> )																								
WSSN:	0072	0390				0400			0470							0485				0517	0518		2180	
Date	Akron	Bangor Twp.				Bangor Monitor Dist.			Bay City							Bay County				Beaver Rd	Beaver Twp		Essexville	
	1	3	4	5	6	7	9	10	11	12	13	14	15	16	17	18	19	20	23	24	26	29	30	32
8/1/2025																								
8/2/2025																								
8/3/2025																								
8/4/2025																								1.09
8/5/2025	0.30	0.89	0.23	0.86	1.11				0.86	0.36	0.59	0.88	0.63	1.18	0.72	0.81	0.69	0.65	0.78	0.52		0.22		
8/6/2025																								
8/7/2025						0.83	1.05		0.90	0.32	0.71	0.83	0.24	1.13	0.59									
8/8/2025																								
8/9/2025																								
8/10/2025																								
8/11/2025																								1.10
8/12/2025				0.76	1.12				0.80	0.25	0.59	0.68	0.44	1.00	0.58	0.79	0.81	0.89	0.79	0.49		0.30		
8/13/2025																								
8/14/2025								1.23													1.05			
8/15/2025																								
8/16/2025																								
8/17/2025																								
8/18/2025																								1.05
8/19/2025		0.60	0.32	0.65	1.03				0.92		0.63	0.74		1.13	0.80									
8/20/2025																								
8/21/2025									0.57	0.22	0.49	0.52	0.21	0.89	0.51									
8/22/2025																								
8/23/2025																								
8/24/2025																								
8/25/2025																								
8/26/2025																								0.98
8/27/2025																								
8/28/2025									0.67	0.27	0.42	0.73		0.90	0.52									
8/29/2025																								
8/30/2025																								
8/31/2025																								
Average	0.30			0.76				1.04				0.65						0.72			1.05		0.26	1.06
Min	0.30			0.23				0.83				0.21						0.49			1.05		0.22	0.98
Max	0.30			1.12				1.23				1.18						0.89			1.05		0.30	1.10

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. Jack's Fruit Market, 1000 Salzberg 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. Top Gun Liquor, 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

WSSN:	Chlorine Residual at Bacteriological Monitoring Stations (mg/L Free Cl <sub>2</sub> )																										
	2465		2960				3565			3570		3910		4280		4440			5330		5335		5540	7125			7134
	Fraser Twp.		Hampton Twp.				Kawkawlin Twp.			Kawkawlin Met.		Linwood, LMWD		Merritt Twp.		Monitor Twp.			City Pinconning		Pinconning Twp.		Portsmouth	Williams Twp.			Wisner
Date	34	35	36	37	38	39	40	41	42	43	45	73	74	46	48	49	52	55	58	59	61	63	65	68	69	70	72
8/1/2025																											
8/2/2025																											
8/3/2025																											
8/4/2025																											
8/5/2025														0.43									0.55	0.69	0.76	0.28	0.35
8/6/2025																											
8/7/2025		0.88	0.74	0.51	0.40	0.36	1.13	0.49		0.66			0.71			0.99	0.72	0.74	0.31		0.33						
8/8/2025																											
8/9/2025																											
8/10/2025																											
8/11/2025																											
8/12/2025														0.25										0.74	0.77	0.60	
8/13/2025																											
8/14/2025	0.37			0.70	0.35	0.42			1.03	0.83						0.74	0.77	0.60	0.48		0.50						
8/15/2025																											
8/16/2025																											
8/17/2025																											
8/18/2025																											
8/19/2025																											
8/20/2025																											
8/21/2025																											
8/22/2025																											
8/23/2025																											
8/24/2025																											
8/25/2025																											
8/26/2025				0.08	0.43	0.41																					
8/27/2025																											
8/28/2025																											
8/29/2025																											
8/30/2025																											
8/31/2025																											
Average	0.63			0.44			0.88			0.75		0.71		0.34		0.76			0.40		0.42		0.55		0.64	0.35	
Min	0.37			0.08			0.49			0.66		0.71		0.25		0.60			0.31		0.33		0.55		0.28	0.35	
Max	0.88			0.74			1.13			0.83		0.71		0.43		0.99			0.48		0.50		0.55		0.77	0.35	

MONITORING STATION ADDRESSES

34. Fraser Elevated Tank, 2949 1/2 N. Huron Rd	43. Speedway, 106 S. Huron Rd.	59. Marathon Gas Station, 511 S Mabel St	73. Larry Chambers, 407 W. Clara Street
35. Lloyd's Cabinet, 1947 N Huron Rd	45. Kawkawlin Restaurant, 103 S Huron Rd	61. Pinconning Meter Pit, 3005 N Huron Rd	74. Linwood Party and Sporting Goods, 211 W. Center St.
36. Shirts Mugs & More, 2728 Center Ave	46. John's Bar, 1476 S Tuscola Rd	63. Master Meter Pit, 2865 Pinconning Rd	
37. Hampton DPW, 950 Wagner Rd.	48. Tool Shed Bar, 12 W Munger Rd	65. Ike's Welding, 50 N Finn Rd	
38. Bay County Golf Course, 584 W Hampton Rd.	49. Wilder Rd Party Store, 2951 E Wilder Rd	68. Williams Township Hall, 1080 W Midland Rd	
39. Sewer Lift Station, 902 Nebobish Rd.	52. Monitor Twp. Elevated Tank, 1611 E. Midland Rd	69. Pump Station, 490 W. Salzburg & 9 Mile Rd	
40. Bay Co. Road Commisison, 2600 E Beaver Rd	55. Auburn Fertilizer, 4640 S 7 Mile Rd	70. 11 Mile Elevated Tank, 5003 S. 11 Mile Rd	
41. Parish Rd. Elevated Tank, 1770 E. Parish Rd	58. Pinconning City Hall, 208 S Manitou St	72. Lindy's Sales, 9051 M-25	
42. Linwood Tile, 205 S Huron Rd			

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, 2025			
COUNTY	COMMUNITY	WSSN NUMBER	DISTRIBUTION SYSTEM SAMPLES				
			avg free cl2 mg/L	NUMBER REQUIRED	NUMBER COLLECTED	NUMBER POSITIVE	NUMBER REPEAT SAMPLES
Tuscola	Akron	0072	0.30	1	1	0	0
BAY	Bangor Township	0390	0.76	10	10	0	0
BAY	Bangor-Monitor Dist.	0400	1.04	3	3	0	0
BAY	Bay City	0470	0.65	30	39	0	0
BAY	Bay County (Frankl./Monitor/Portsm.)	0485	0.72	9	10	0	0
BAY	Beaver Road Area	0517	1.05	1	1	0	0
BAY	Beaver Township	0518	0.26	2	2	0	0
BAY	Essexville	2180	1.06	4	4	0	0
BAY	Fraser Township	2465	0.63	2	2	0	0
BAY	Hampton Township	2960	0.44	10	10	0	0
BAY	Kawkawlin Township	3565	0.88	3	3	0	0
BAY	Kawkawlin Metro Dist.	3570	0.75	2	2	0	0
BAY	Linwood Metro Water District	3910	0.71	1	1	0	0
BAY	Merritt Township	4280	0.34	2	2	0	0
BAY	Monitor Township	4440	0.76	6	6	0	0
BAY	City of Pinconning	5330	0.40	2	2	0	0
BAY	Pinconning Township	5335	0.42	2	2	0	0
BAY	Portsmouth Township	5540	0.55	1	1	0	0
BAY	Williams Township	7125	0.64	6	6	0	0
Tuscola	Wisner	7134	0.35	1	1	0	0
Average Free Cl2 Residual of All Distribution Sites			0.63	mg/L			
1. Total distribution samples			108				
2. Total distribution samples with detectable free cl2 residual			108				
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	%			