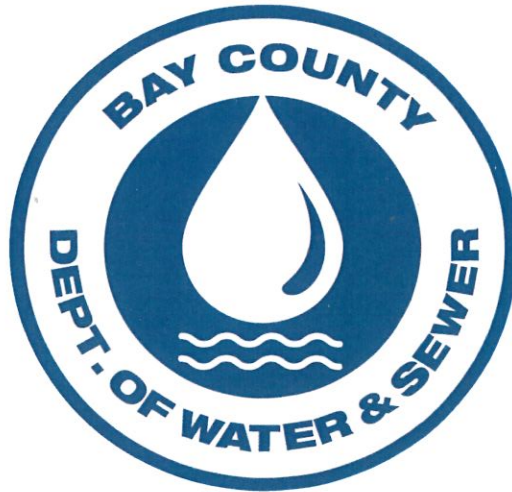


Bay Area WTP

Monthly Operations Report



November, 2025

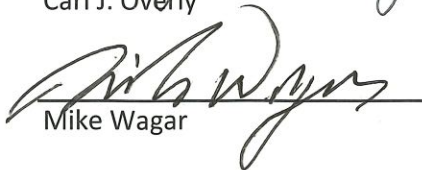
Water Systems Serial Number:

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

November, 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	17.4	Millions of Gallons per Day
Treatment Rate, Maximum	7.2	Millions of Gallons per Day
Maximum Approved Transmembrane Pressure	22	PSI
Maximum Operating Transmembrane Pressure	11.27	PSI
Maximum Approved Flux Rate	36.25	gpd/sq.ft.
Maximum Operating Flux Rate	30.87	gpd/sq.ft.

Chemical Data

Sodium Hypochlorite on hand:	2,695	Gallons	Estimated Supply:	55.7	days
Caustic Soda on hand:	2,908	Gallons	Estimated Supply:	199.2	days
Corrosion Inhibitor on hand:	1,260	Gallons	Estimated Supply:	62.1	days
Hydrofluosilicic Acid on hand:	1,376	Gallons	Estimated Supply:	88.0	days
Aluminum Chlorohydrate on hand:	616	Gallons	Estimated Supply:	150.9	days
Sulfuric Acid on hand:	644	Gallons	Estimated Supply:	322.0	days
Sodium Bisulfite on hand:	469	Gallons	Estimated Supply:	161.6	days
Citric Acid on hand:	2,815	Gallons	Estimated Supply:	225.2	days
Cost of All Chemicals per Million Gallons:	106.24	Dollars			

Utility Data

Estimated Electrical Kilo Watts per Million Gallons:	995.7	KW
Estimated Natural Gas Million Cubic Feet per Million Gallons:	8.8	Mcf

Remarks

Number of periods of filter confluence turbidity samples > 0.3 NTU	0
Percent of membrane period confluence samples > 0.3 NTU:	0.00%
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.	No
Did POE disinfectant residual fall below 0.2 ppm during the month? If yes, indicate date(s) and duration on a separate sheet.	No
Was minimum C*T credit achieved for the entire month? If no, indicate on a separate sheet the date(s) not achieved.	Yes
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.	No

Notes

There was a formatting change done to the Distribution System Bacteriological page. Chlorine reporting for each community was simplified.
Finished Water Tank #2 was taken out of service on Monday the 10th for cleaning, inspection and modification.
The west hatch of the tank was modified with the addition of a 2" port to allow for draining and sampling. This work was done as specified by our permit.
The tank was returned to service on 11/16 after it passed Bacteriological sampling. CT was affect while this tank was out and the CT page accounts for it.
On 11/26 the new Chemtrac HyrdoACT was put into service for a Tap Chlorine monitoring point.
The Chemtrac unit uses a different monitoring method than the previous CL17 model.

Bay Area WTP Monthly Operating Report

Date	Flows								
	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
11/1/2025	0.00	6.48	6.48	0.11	0.09	5.58	2.86	2.37	5.23
11/2/2025	0.00	6.21	6.21	0.18	0.08	6.80	3.32	2.80	6.12
11/3/2025	0.00	6.64	6.64	0.17	0.08	6.71	3.25	2.81	6.06
11/4/2025	0.00	6.92	6.92	0.18	0.08	6.97	3.32	2.86	6.18
11/5/2025	0.00	6.37	6.37	0.14	0.08	6.16	3.10	2.66	5.76
11/6/2025	0.00	6.05	6.05	0.17	0.08	6.86	3.27	2.81	6.08
11/7/2025	0.00	6.36	6.36	0.14	0.08	5.55	2.83	2.39	5.23
11/8/2025	0.00	6.12	6.12	0.14	0.08	6.21	3.02	2.62	5.63
11/9/2025	0.00	6.00	6.00	0.15	0.08	6.49	3.07	2.66	5.73
11/10/2025	0.00	5.59	5.59	0.14	0.09	5.32	3.19	2.83	6.02
11/11/2025	0.00	5.96	5.96	0.14	0.10	6.26	3.04	2.61	5.65
11/12/2025	0.00	7.09	7.09	0.14	0.08	7.24	3.38	2.93	6.31
11/13/2025	0.00	8.03	8.03	0.22	0.08	7.09	2.91	2.52	5.42
11/14/2025	0.00	7.24	7.24	0.16	0.08	6.67	3.26	2.78	6.03
11/15/2025	0.00	5.95	5.95	0.16	0.08	6.26	3.05	2.67	5.72
11/16/2025	0.00	5.98	5.98	0.16	0.08	6.29	3.07	2.66	5.73
11/17/2025	0.00	6.22	6.22	0.18	0.08	6.83	3.28	2.86	6.13
11/18/2025	0.00	6.78	6.78	0.15	0.08	6.48	3.21	2.79	6.00
11/19/2025	0.00	6.87	6.87	0.19	0.07	7.00	3.39	2.91	6.30
11/20/2025	0.00	6.66	6.66	0.16	0.08	6.49	3.13	2.69	5.81
11/21/2025	0.00	6.63	6.63	0.18	0.08	6.62	3.24	2.81	6.05
11/22/2025	0.00	6.63	6.63	0.18	0.08	6.62	3.25	2.81	6.05
11/23/2025	0.00	6.60	6.60	0.15	0.08	6.70	3.26	2.80	6.06
11/24/2025	0.00	6.68	6.68	0.18	0.08	6.48	3.23	2.75	5.98
11/25/2025	0.00	6.62	6.62	0.15	0.08	6.48	3.17	2.76	5.93
11/26/2025	0.00	6.98	6.98	0.17	0.08	6.88	3.32	2.87	6.18
11/27/2025	0.00	6.52	6.52	0.16	0.08	6.77	3.30	2.85	6.16
11/28/2025	0.00	6.04	6.04	0.13	0.08	5.98	2.85	2.51	5.36
11/29/2025	0.00	5.80	5.80	0.16	0.08	6.07	2.93	2.55	5.47
11/30/2025	0.00	6.26	6.26	0.17	0.08	6.38	3.09	2.73	5.82
Total	0.00	194.27	194.27	4.80	2.40	194.23	94.57	81.63	176.21
Avg	0.00	6.48	6.48	0.16	0.08	6.47	3.15	2.72	5.87
Min	0.00	5.59	5.59	0.11	0.07	5.32	2.83	2.37	5.23
Max	0.00	8.03	8.03	0.22	0.10	7.24	3.39	2.93	6.31

Recovery Process Efficiency
Sludge Flow / Recovery Flow
33.3%

Facility Water Efficiency		
Waste (MG)	Treated (MG)	T/W (G)
7.65	194.23	25.4

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	
11/1/2025	13.8	7.91	3.33	10.01	0.10	0.53	Negative	Negative
11/2/2025	13.6	7.90	1.31	2.12	0.08	0.68	Negative	Negative
11/3/2025	13.4	7.91	1.15	3.43	0.09	0.70	Negative	Negative
11/4/2025	13.1	7.91	1.24	8.87	0.10	0.55	Negative	Negative
11/5/2025	12.8	7.91	1.03	2.05	0.10	0.58	Negative	Negative
11/6/2025	12.7	7.92	0.68	0.84	0.10	0.61	Negative	Negative
11/7/2025	12.6	7.92	0.65	0.77	0.11	0.62	Negative	Negative
11/8/2025	12.5	7.94	0.65	0.83	0.11	0.52	Negative	Negative
11/9/2025	12.5	7.92	0.66	0.87	0.11	0.63	Negative	Negative
11/10/2025	12.1	7.94	0.68	1.23	0.10	0.59	Negative	Negative
11/11/2025	11.7	7.93	4.59	9.39	0.10	0.31	Negative	Negative
11/12/2025	11.6	7.92	4.86	8.19	0.08	0.37	Negative	Negative
11/13/2025	11.3	7.94	2.61	4.63	0.09	0.46	Negative	Negative
11/14/2025	11.0	7.92	0.82	2.46	0.09	0.68	Negative	Negative
11/15/2025	11.5	7.92	0.67	0.80	0.09	0.70	Negative	Negative
11/16/2025	10.8	7.93	0.61	0.77	0.09	0.65	Negative	Negative
11/17/2025	10.6	7.93	0.50	0.57	0.09	0.67	Negative	Negative
11/18/2025	10.5	7.92	0.43	0.54	0.09	0.74	Negative	Negative
11/19/2025	10.5	7.92	0.37	0.43	0.08	0.67	Negative	Negative
11/20/2025	10.3	7.94	0.34	0.39	0.08	0.59	Negative	Negative
11/21/2025	10.7	7.96	0.35	0.43	0.09	0.46	Negative	Negative
11/22/2025	9.9	7.96	0.40	0.45	0.09	0.49	Negative	Negative
11/23/2025	9.7	7.97	0.47	0.81	0.09	0.51	Negative	Negative
11/24/2025	9.5	7.97	0.46	5.08	0.09	0.51	Negative	Negative
11/25/2025	9.7	7.98	0.34	0.40	0.09	0.47	Negative	Negative
11/26/2025	9.9	7.96	0.23	0.29	0.09	0.52	Negative	Negative
11/27/2025	9.3	7.96	0.23	1.66	0.10	0.51	Negative	Negative
11/28/2025	9.3	7.94	1.55	3.26	0.09	0.44	Negative	Negative
11/29/2025	9.3	7.94	0.62	1.29	0.09	0.54	Negative	Negative
11/30/2025	9.0	7.93	0.50	0.80	0.09	0.60	Negative	Negative
Avg	11.2	7.93	1.08	2.46	0.09	0.56	NA	NA
Min	9.0	7.90	0.23	0.29	0.08	0.31	NA	NA
Max	13.8	7.98	4.86	10.01	0.11	0.74	NA	NA
F Ratio, Raw/Tap:								
13.2								

Finished Water Analysis																			
Date	Temp	pH	Phosphate	Fluoride		Free Cl ₂	Hardness	Alkalinity (as CaCO ₃)		Chloride	Sulfate	Calcium (as CaCO ₃)	Dissolved Oxygen	Conductivity	Langelier Saturation Index	Chloride: Sulfate Mass Ratio	Larson-Skold Index	Bacti	
	Average	Average	Average	Tap	Dist	Average	Grab	Carbonate	Bicarbonate	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	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	Calculated			Lab	
11/1/2025	13.9	7.55	3.28	0.72		1.31	104.00	0	78	14	11	72	10.5	234	-0.80	1.23	0.48	Negative	Negative
11/2/2025	13.5	7.54	3.29	0.67		1.34	104.00	0	78	13	10	70	11.4	233	-0.83	1.27	0.45	Negative	Negative
11/3/2025	13.2	7.54	3.31	0.68	0.67	1.34	102.00	0	81	13	10	74	9.9	248	-0.80	1.31	0.44	Negative	Negative
11/4/2025	12.9	7.53	3.41	0.69		1.33	104.00	0	78	13	11	78	9.8	249	-0.82	1.15	0.46	Negative	Negative
11/5/2025	12.4	7.51	3.42	0.69		1.33	110.00	0	80	11	11	78	11.9	252	-0.84	0.96	0.41	Negative	Negative
11/6/2025	12.4	7.51	3.42	0.69		1.33	104.00	0	80	12	11	74	11.9	249	-0.86	1.06	0.43	Negative	Negative
11/7/2025	12.4	7.51	3.42	0.70		1.31	104.00	0	79	11	11	74	11.3	248	-0.86	1.03	0.43	Negative	Negative
11/8/2025	12.1	7.51	3.41	0.70		1.29	106.00	0	80	12	10	74	11.7	247	-0.86	1.20	0.42	Negative	Negative
11/9/2025	12.0	7.52	3.40	0.71		1.33	96.00	0	76	13	10	74	9.8	242	-0.88	1.31	0.47	Negative	Negative
11/10/2025	11.8	7.52	3.39	0.68	0.67	1.32	96.00	0	80	13	10	82	11.6	243	-0.82	1.30	0.44	Negative	Negative
11/11/2025	11.4	7.50	3.38	0.67		1.23	98.00	0	78	13	11	76	7.4	240	-0.89	1.20	0.47	Negative	Negative
11/12/2025	11.4	7.50	3.38	0.72		1.21	104.00	0	78	12	10	72	12.0	241	-0.92	1.17	0.42	Negative	Negative
11/13/2025	11.1	7.50	3.35	0.69		1.18	100.00	0	80	12	11	74	11.6	243	-0.90	1.13	0.44	Negative	Negative
11/14/2025	10.8	7.49	3.36	0.69		1.22	102.00	0	80	11	10	74	9.0	241	-0.92	1.12	0.40	Negative	Negative
11/15/2025	10.8	7.48	3.37	0.69		1.22	102.00	0	78	11	10	70	9.1	237	-0.96	1.08	0.40	Negative	Negative
11/16/2025	10.5	7.49	3.37	0.69		1.21	102.00	0	78	11	9	74	9.3	237	-0.93	1.27	0.40	Negative	Negative
11/17/2025	10.4	7.52	3.37	0.71	0.70	1.22	104.00	0	78	11	10	74	11.9	237	-0.90	1.13	0.42	Negative	Negative
11/18/2025	10.2	7.48	3.38	0.69		1.12	102.00	0	76	12	10	74	10.3	239	-0.96	1.16	0.43	Negative	Negative
11/19/2025	10.2	7.48	3.37	0.69		1.12	102.00	0	77	11	10	74	11.5	235	-0.96	1.14	0.42	Negative	Negative
11/20/2025	10.0	7.48	3.37	0.67		1.09	102.00	0	78	9	10	76	11.3	229	-0.94	0.92	0.37	Negative	Negative
11/21/2025	10.0	7.50	3.37	0.68		1.08	104.00	0	78	9	11	78	11.5	236	-0.92	0.85	0.39	Negative	Negative
11/22/2025	9.7	7.49	3.37	0.71		1.08	104.00	0	79	9	10	78	11.5	241	-0.92	0.94	0.37	Negative	Negative
11/23/2025	9.4	7.51	3.37	0.71		1.10	102.00	0	79	9	9	78	11.4	239	-0.92	1.04	0.35	Negative	Negative
11/24/2025	9.2	7.51	3.36	0.69	0.66	1.06	104.00	0	78	11	9	78	11.8	245	-0.93	1.17	0.38	Negative	Negative
11/25/2025	8.9	7.50	3.37	0.71		1.02	104.00	0	79	10	10	76	11.8	245	-0.95	1.03	0.39	Negative	Negative
11/26/2025	8.9	7.51	3.36	0.71		1.01	106.00	0	80	10	10	78	11.6	242	-0.93	1.04	0.39	Negative	Negative
11/27/2025	8.8	7.51	3.36	0.71		1.01	102.00	0	77	10	10	74	11.2	238	-0.96	1.04	0.40	Negative	Negative
11/28/2025	8.8	7.51	3.36	0.72		1.01	102.00	0	77	11	11	76	10.8	237	-0.95	1.00	0.43	Negative	Negative
11/29/2025	8.9	7.49	3.36	0.72		0.99	104.00	0	77	12	10	72	11.5	236	-0.99	1.15	0.43	Negative	Negative
11/30/2025	8.8	7.49	3.36	0.72		1.04	104.00	0	78	11	11	74	10.6	236	-0.98	1.02	0.43	Negative	Negative
Avg	10.8	7.51	3.37	0.70	0.67	1.18	102.80	0	78	11	10	75	10.9	241	-0.90	1.11	0.42	NA	NA
Min	8.8	7.48	3.28	0.67	0.66	0.99	96.00	0	76	9	9	70	7.4	229	-0.99	0.85	0.35	NA	NA
Max	13.9	7.55	3.42	0.72	0.70	1.34	110.00	0	81	14	11	82	12.0	252	-0.80	1.31	0.48	NA	NA

Plant Tap Disinfection Byproduct Monitoring - Results In ppb			
Date	Total Trihalomethanes - TTHM		
	Result	LRAA	OEL
11/3/25	34	44	39

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
11/1/2025	3.33	10.01	2.34	1.81	0.026	0.027	96	0	0.0	0.025
11/2/2025	1.31	2.12	3.01	1.68	0.026	0.027	96	0	0.0	0.025
11/3/2025	1.15	3.43	2.63	1.32	0.025	0.026	96	0	0.0	0.024
11/4/2025	1.24	8.87	4.22	1.24	0.025	0.027	96	0	0.0	0.024
11/5/2025	1.03	2.05	4.56	1.13	0.025	0.026	96	0	0.0	0.025
11/6/2025	0.68	0.84	27.23	0.88	0.025	0.025	96	0	0.0	0.024
11/7/2025	0.65	0.77	39.33	0.73	0.025	0.026	96	0	0.0	0.024
11/8/2025	0.65	0.83	41.50	0.62	0.025	0.025	96	0	0.0	0.024
11/9/2025	0.66	0.87	43.98	0.62	0.025	0.025	96	0	0.0	0.024
11/10/2025	0.68	1.23	10.20	1.10	0.025	0.025	96	0	0.0	0.024
11/11/2025	4.59	9.39	1.61	1.39	0.025	0.025	96	0	0.0	0.025
11/12/2025	4.86	8.19	1.36	3.04	0.025	0.025	96	0	0.0	0.024
11/13/2025	2.61	4.63	1.43	2.95	0.025	0.025	96	0	0.0	0.024
11/14/2025	0.82	2.46	1.04	1.78	0.025	0.025	96	0	0.0	0.024
11/15/2025	0.67	0.80	1.08	1.05	0.025	0.025	96	0	0.0	0.024
11/16/2025	0.61	0.77	1.05	0.76	0.024	0.025	96	0	0.0	0.024
11/17/2025	0.50	0.57	1.68	0.56	0.024	0.025	96	0	0.0	0.029
11/18/2025	0.43	0.54	1.50	0.43	0.024	0.026	96	0	0.0	0.024
11/19/2025	0.37	0.43	4.49	0.40	0.024	0.025	96	0	0.0	0.025
11/20/2025	0.34	0.39	1.28	0.32	0.024	0.028	96	0	0.0	0.023
11/21/2025	0.35	0.43	1.37	0.32	0.024	0.025	96	0	0.0	0.024
11/22/2025	0.40	0.45	1.44	0.31	0.024	0.028	96	0	0.0	0.024
11/23/2025	0.47	0.81	1.62	0.33	0.024	0.025	96	0	0.0	0.024
11/24/2025	0.46	5.08	4.19	0.39	0.024	0.026	96	0	0.0	0.024
11/25/2025	0.34	0.40	4.04	0.34	0.024	0.025	96	0	0.0	0.024
11/26/2025	0.23	0.29	5.94	0.27	0.024	0.024	96	0	0.0	0.024
11/27/2025	0.23	1.66	7.09	0.21	0.023	0.024	96	0	0.0	0.023
11/28/2025	1.55	3.26	2.65	0.43	0.023	0.025	96	0	0.0	0.023
11/29/2025	0.62	1.29	4.61	0.71	0.023	0.024	96	0	0.0	0.023
11/30/2025	0.50	0.80	4.15	0.52	0.023	0.026	96	0	0.0	0.023
Avg	1.08	2.46	7.75	0.92	0.024	0.025	96	0	0.0	0.024
Min	0.23	0.29	1.04	0.21	0.023	0.024	96	0	0.0	0.023
Max	4.86	10.01	43.98	3.04	0.026	0.028	96	0	0.0	0.029

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	Minimum		Max	Minimum		Max	Minimum		Max	Minimum		Max	Minimum		Max	Minimum		Max	Minimum		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
11/1/2025	5.44	PASS	0.025	4.83	PASS	0.027	5.19	PASS	0.026	5.38	PASS	0.025	5.43	PASS	0.025	4.90	PASS	0.026	5.46	PASS	0.025	5.18	PASS	0.025
11/2/2025	5.45	PASS	0.025	4.83	PASS	0.027	5.20	PASS	0.026	5.40	PASS	0.025	5.36	PASS	0.024	4.89	PASS	0.026	5.45	PASS	0.025	5.23	PASS	0.025
11/3/2025	5.39	PASS	0.025	4.85	PASS	0.027	5.19	PASS	0.025	5.42	PASS	0.024	5.37	PASS	0.024	4.87	PASS	0.025	5.49	PASS	0.025	5.21	PASS	0.024
11/4/2025	5.41	PASS	0.025	4.85	PASS	0.027	5.18	PASS	0.026	5.37	PASS	0.025	5.32	PASS	0.024	5.18	PASS	0.025	5.45	PASS	0.025	5.13	PASS	0.025
11/5/2025	5.45	PASS	0.025	4.86	PASS	0.027	5.16	PASS	0.025	5.37	PASS	0.025	5.35	PASS	0.024	4.88	PASS	0.026	5.45	PASS	0.025	5.13	PASS	0.024
11/6/2025	5.44	PASS	0.025	4.81	PASS	0.027	5.19	PASS	0.025	5.36	PASS	0.024	5.30	PASS	0.024	4.86	PASS	0.025	5.47	PASS	0.024	5.11	PASS	0.024
11/7/2025	5.39	PASS	0.025	4.81	PASS	0.027	5.18	PASS	0.025	5.40	PASS	0.025	5.29	PASS	0.024	5.18	PASS	0.025	5.44	PASS	0.024	5.11	PASS	0.024
11/8/2025	5.39	PASS	0.024	4.86	PASS	0.027	5.13	PASS	0.025	5.38	PASS	0.024	5.31	PASS	0.024	5.23	PASS	0.025	5.43	PASS	0.024	5.21	PASS	0.024
11/9/2025	5.42	PASS	0.024	4.86	PASS	0.026	5.16	PASS	0.025	5.39	PASS	0.025	5.29	PASS	0.025	5.22	PASS	0.024	5.46	PASS	0.024	5.12	PASS	0.024
11/10/2025	5.42	PASS	0.024	4.87	PASS	0.026	5.16	PASS	0.025	5.43	PASS	0.024	5.29	PASS	0.025	5.17	PASS	0.024	5.40	PASS	0.024	5.12	PASS	0.024
11/11/2025	5.46	PASS	0.024	4.86	PASS	0.027	5.21	PASS	0.025	5.41	PASS	0.024	5.35	PASS	0.024	5.17	PASS	0.025	5.40	PASS	0.024	5.17	PASS	0.024
11/12/2025	5.44	PASS	0.024	4.89	PASS	0.027	5.22	PASS	0.026	5.43	PASS	0.025	5.38	PASS	0.024	4.94	PASS	0.025	5.51	PASS	0.024	5.23	PASS	0.024
11/13/2025	5.45	PASS	0.024	4.84	PASS	0.027	5.20	PASS	0.025	5.45	PASS	0.025	5.33	PASS	0.024	4.94	PASS	0.025	5.45	PASS	0.024	5.19	PASS	0.024
11/14/2025	5.46	PASS	0.024	4.85	PASS	0.027	5.22	PASS	0.026	5.45	PASS	0.025	5.33	PASS	0.024	4.91	PASS	0.025	5.44	PASS	0.024	5.16	PASS	0.024
11/15/2025	5.43	PASS	0.024	4.91	PASS	0.027	5.24	PASS	0.025	5.45	PASS	0.024	5.40	PASS	0.024	5.21	PASS	0.024	5.44	PASS	0.024	5.27	PASS	0.024
11/16/2025	5.42	PASS	0.024	4.91	PASS	0.027	5.22	PASS	0.025	5.46	PASS	0.024	5.34	PASS	0.024	4.94	PASS	0.024	5.50	PASS	0.024	5.20	PASS	0.024
11/17/2025	5.42	PASS	0.024	4.91	PASS	0.026	5.22	PASS	0.025	5.45	PASS	0.024	5.34	PASS	0.024	4.94	PASS	0.024	5.50	PASS	0.024	5.20	PASS	0.024
11/18/2025	5.43	PASS	0.024	4.89	PASS	0.026	5.25	PASS	0.025	5.48	PASS	0.024	5.35	PASS	0.025	4.97	PASS	0.024	5.48	PASS	0.024	5.22	PASS	0.023
11/19/2025	5.44	PASS	0.024	4.97	PASS	0.026	5.24	PASS	0.025	5.43	PASS	0.024	5.30	PASS	0.024	5.24	PASS	0.024	5.50	PASS	0.024	5.24	PASS	0.023
11/20/2025	5.46	PASS	0.024	4.97	PASS	0.026	5.24	PASS	0.025	5.43	PASS	0.024	5.39	PASS	0.023	5.24	PASS	0.024	5.50	PASS	0.024	5.27	PASS	0.023
11/21/2025	5.46	PASS	0.024	4.98	PASS	0.026	5.17	PASS	0.025	5.45	PASS	0.024	5.38	PASS	0.024	5.23	PASS	0.025	5.49	PASS	0.024	5.29	PASS	0.023
11/22/2025	5.44	PASS	0.024	4.91	PASS	0.027	5.16	PASS	0.025	5.45	PASS	0.024	5.30	PASS	0.024	5.01	PASS	0.024	5.50	PASS	0.024	5.26	PASS	0.024
11/23/2025	5.41	PASS	0.024	4.91	PASS	0.026	5.19	PASS	0.025	5.50	PASS	0.024	5.28	PASS	0.023	5.01	PASS	0.024	5.50	PASS	0.024	5.22	PASS	0.024
11/24/2025	5.40	PASS	0.024	4.87	PASS	0.027	5.19	PASS	0.025	5.52	PASS	0.024	5.27	PASS	0.024	5.26	PASS	0.026	5.41	PASS	0.024	5.19	PASS	0.024
11/25/2025	5.43	PASS	0.024	4.88	PASS	0.027	5.21	PASS	0.025	5.51	PASS	0.024	5.27	PASS	0.024	5.06	PASS	0.024	5.53	PASS	0.024	5.13	PASS	0.024
11/26/2025	5.47	PASS	0.024	4.88	PASS	0.027	5.17	PASS	0.025	5.46	PASS	0.024	5.26	PASS	0.023	5.05	PASS	0.024	5.52	PASS	0.024	5.08	PASS	0.024
11/27/2025	5.43	PASS	0.024	4.89	PASS	0.027	5.17	PASS	0.025	5.51	PASS	0.024	5.32	PASS	0.024	4.94	PASS	0.024	5.50	PASS	0.024	5.08	PASS	0.023
11/28/2025	5.43	PASS	0.024	4.90	PASS	0.026	5.18	PASS	0.025	5.50	PASS	0.024	5.29	PASS	0.023	4.93	PASS	0.024	5.51	PASS	0.023	5.19	PASS	0.023
11/29/2025	5.48	PASS	0.024	4.90	PASS	0.026	5.21	PASS	0.025	5.49	PASS	0.023	5.29	PASS	0.023	4.94	PASS	0.024	5.48	PASS	0.023	5.12	PASS	0.023
11/30/2025	5.49	PASS	0.024	4.90	PASS	0.026	5.18	PASS	0.025	5.49	PASS	0.024	5.33	PASS	0.023	5.21	PASS	0.024	5.49	PASS	0.023	5.13	PASS	0.023
Avg	5.43		0.024	4.88		0.027	5.20		0.025	5.44		0.024	5.33		0.024	5.05		0.025	5.47		0.024	5.18		0.024
Min	5.39		0.024	4.81		0.026	5.13		0.025	5.36		0.023	5.26		0.023	4.86		0.024	5.40		0.023	5.08		0.023
Max	5.49		0.025	4.98		0.027	5.25		0.026	5.52		0.025	5.43		0.025	5.26		0.026	5.53		0.025	5.29		0.025

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		Hydrofluorosilicic 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 - Mem Feed	Added	Lab
11/1/2025	5.6	0.53	0.26	1.16	1.45	1.31	3.15	3.28	0.10	0.55	0.72
11/2/2025	6.8	0.68	0.34	1.02	1.42	1.34	3.15	3.29	0.08	0.55	0.67
11/3/2025	6.7	0.70	0.41	0.84	1.44	1.34	3.15	3.31	0.09	0.55	0.68
11/4/2025	7.0	0.55	0.41	0.90	1.39	1.33	3.15	3.41	0.10	0.55	0.69
11/5/2025	6.2	0.58	0.39	0.93	1.44	1.33	3.15	3.42	0.10	0.55	0.69
11/6/2025	6.9	0.61	0.41	0.91	1.44	1.33	3.15	3.42	0.10	0.55	0.69
11/7/2025	5.5	0.62	0.43	0.86	1.40	1.31	3.15	3.42	0.11	0.55	0.70
11/8/2025	6.2	0.52	0.39	0.94	1.40	1.29	3.15	3.41	0.11	0.55	0.70
11/9/2025	6.5	0.63	0.40	0.94	1.43	1.33	3.15	3.40	0.11	0.55	0.71
11/10/2025	5.3	0.59	0.41	0.82	1.36	1.32	3.15	3.39	0.10	0.55	0.68
11/11/2025	6.3	0.31	0.35	0.90	1.26	1.23	3.15	3.38	0.10	0.55	0.67
11/12/2025	7.2	0.37	0.27	0.88	1.26	1.21	3.15	3.38	0.08	0.55	0.72
11/13/2025	7.1	0.46	0.25	0.90	1.30	1.18	3.15	3.35	0.09	0.55	0.69
11/14/2025	6.7	0.68	0.35	0.82	1.34	1.22	3.15	3.36	0.09	0.55	0.69
11/15/2025	6.3	0.70	0.43	0.75	1.34	1.22	3.15	3.37	0.09	0.55	0.69
11/16/2025	6.3	0.65	0.46	0.75	1.33	1.21	3.15	3.37	0.09	0.55	0.69
11/17/2025	6.8	0.67	0.47	0.65	1.26	1.22	3.15	3.37	0.09	0.55	0.71
11/18/2025	6.5	0.74	0.52	0.60	1.25	1.12	3.15	3.38	0.09	0.55	0.69
11/19/2025	7.0	0.67	0.54	0.56	1.23	1.12	3.15	3.37	0.08	0.55	0.69
11/20/2025	6.5	0.59	0.50	0.60	1.21	1.09	3.15	3.37	0.08	0.55	0.67
11/21/2025	6.6	0.46	0.45	0.68	1.19	1.08	3.15	3.37	0.09	0.55	0.68
11/22/2025	6.6	0.49	0.38	0.75	1.22	1.08	3.15	3.37	0.09	0.55	0.71
11/23/2025	6.7	0.51	0.39	0.72	1.23	1.10	3.15	3.37	0.09	0.55	0.71
11/24/2025	6.5	0.51	0.38	0.65	1.17	1.06	3.15	3.36	0.09	0.55	0.69
11/25/2025	6.5	0.47	0.37	0.65	1.12	1.02	3.15	3.37	0.09	0.55	0.71
11/26/2025	6.9	0.52	0.37	0.65	1.13	1.01	3.15	3.36	0.09	0.55	0.71
11/27/2025	6.8	0.51	0.39	0.65	1.13	1.01	3.15	3.36	0.10	0.55	0.71
11/28/2025	6.0	0.44	0.38	0.65	1.12	1.01	3.15	3.36	0.09	0.55	0.72
11/29/2025	6.1	0.54	0.36	0.68	1.12	0.99	3.15	3.36	0.09	0.55	0.72
11/30/2025	6.4	0.60	0.41	0.65	1.15	1.04	3.15	3.36	0.09	0.55	0.72
Avg	6.5	0.56	0.40	0.78	1.28	1.18	3.15	3.37	0.09	0.55	0.70
Min	5.3	0.31	0.25	0.56	1.12	0.99	3.15	3.28	0.08	0.55	0.67
Max	7.2	0.74	0.54	1.16	1.45	1.34	3.15	3.42	0.11	0.55	0.72

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	AIT-4040-1	Calculated	Calculated
11/1/2025	51.6	2,425	0.53	1278	28.2	21.9	5.2	656	1.09	357	1636	13.9	6.00	Y
11/2/2025	52.4	2,389	0.68	1620	28.2	21.9	6.1	562	1.25	351	1970	13.5	6.00	Y
11/3/2025	44.6	2,802	0.70	1967	27.9	22.0	6.1	565	1.23	347	2314	13.2	6.00	Y
11/4/2025	37.9	3,297	0.55	1802	28.2	22.2	6.2	559	1.23	345	2147	12.9	6.00	Y
11/5/2025	41.9	2,988	0.58	1744	28.2	22.7	5.8	605	1.27	384	2128	12.4	6.00	Y
11/6/2025	46.0	2,722	0.61	1661	28.0	22.5	6.1	570	1.22	349	2010	12.4	6.00	Y
11/7/2025	44.0	2,843	0.62	1751	28.1	22.0	5.2	657	1.28	420	2171	12.4	6.00	Y
11/8/2025	51.6	2,424	0.52	1263	28.3	22.0	5.6	611	1.24	378	1641	12.1	6.00	Y
11/9/2025	50.0	2,501	0.63	1569	28.2	22.0	5.7	600	1.31	393	1962	12.0	6.00	Y
11/10/2025	40.1	3,121	0.59	1853	24.7	-0.2	6.0	282	1.27	107	1960	11.8	6.00	Y
11/11/2025	34.4	3,637	0.31	1121	24.0	-0.2	5.6	291	1.17	103	1223	11.4	6.00	Y
11/12/2025	51.3	2,437	0.37	890	22.7	-0.2	6.3	246	1.05	77	967	11.4	6.00	Y
11/13/2025	43.3	2,892	0.46	1326	24.7	6.1	5.4	312	1.08	101	1426	11.1	6.00	Y
11/14/2025	42.3	2,954	0.68	2005	25.3	28.2	6.0	287	1.18	102	2107	10.8	6.00	Y
11/15/2025	54.9	2,278	0.70	1593	24.7	28.2	5.7	296	1.20	107	1700	10.8	6.00	Y
11/16/2025	52.4	2,387	0.65	1561	23.7	28.2	5.7	283	1.20	102	1663	10.5	6.00	Y
11/17/2025	49.4	2,534	0.67	1686	24.5	21.5	6.1	514	1.12	288	1974	10.4	6.00	Y
11/18/2025	47.1	2,657	0.74	1970	28.2	22.3	6.0	578	1.11	321	2292	10.2	6.00	Y
11/19/2025	40.9	3,059	0.67	2057	28.2	22.4	6.3	550	1.08	298	2355	10.2	6.00	Y
11/20/2025	38.6	3,242	0.59	1903	28.2	21.8	5.8	589	1.04	307	2210	10.0	6.00	Y
11/21/2025	41.8	2,995	0.46	1370	28.2	16.6	6.1	507	1.03	262	1632	10.0	6.00	Y
11/22/2025	54.3	2,303	0.49	1125	28.2	20.8	6.1	555	1.04	288	1413	9.7	8.00	Y
11/23/2025	52.4	2,387	0.51	1213	28.3	20.9	6.1	556	1.08	301	1515	9.4	8.00	Y
11/24/2025	44.0	2,842	0.51	1458	28.2	20.8	6.0	562	0.99	279	1737	9.2	8.00	Y
11/25/2025	41.6	3,006	0.47	1427	28.2	21.1	5.9	570	1.00	285	1711	8.9	8.00	Y
11/26/2025	43.3	2,891	0.52	1508	28.2	22.1	6.2	558	0.96	269	1777	8.9	8.00	Y
11/27/2025	42.3	2,958	0.51	1496	28.2	24.0	6.2	581	0.99	288	1784	8.8	8.00	Y
11/28/2025	44.1	2,840	0.44	1245	28.2	21.1	5.4	631	1.00	314	1559	8.8	8.00	Y
11/29/2025	54.3	2,303	0.54	1233	28.2	23.1	5.5	642	0.96	309	1542	8.9	8.00	Y
11/30/2025	51.2	2,443	0.60	1475	28.2	20.0	5.8	567	1.02	288	1763	8.8	8.00	Y
Avg	46.1	2,752	0.56	1539	27.2	19.6	5.9	511	1.12	271	1810	10.8	6.60	NA
Min	34.4	2,278	0.31	890	22.7	-0.2	5.2	246	0.96	77	967	8.8	6.00	NA
Max	54.9	3,637	0.74	2057	28.3	28.2	6.3	657	1.31	420	2355	13.9	8.00	NA

Notes:

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

Finished Water tank #2 was taken down on 11/10 for cleaning, inspection and modification. Returned to service on 11/16. Shaded areas showtimes when CT has impacted.

Distribution System Monitoring																								
Chlorine Residual at Bacteriological Monitoring Stations (mg/L Free Cl ₂)																								
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
11/1/2025	0.01	0.53	0.32	0.27	0.94	0.90	1.12		0.66	0.34	0.58	0.64	0.52	0.98	0.48	0.82	0.90	0.96	0.76	0.43		0.21		1.11
11/2/2025																								
11/3/2025																								
11/4/2025																								
11/5/2025																								
11/6/2025																								
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11/29/2025																								
11/30/2025																								
Average	0.01	0.57				0.93			0.60							0.82					0.83	0.26		1.06
Min	0.01	0.27				0.78			0.23							0.43					0.83	0.21		0.93
Max	0.01	1.00				1.12			1.07							0.98					0.83	0.31		1.11

MONITORING STATION ADDRESSES

- Sample station at corner of 5758 M-25 & R
- Bangor Fire Station, 3921 Wheeler
- BCDWS Admin. Bldg. 3933 Patterson Rd.
- 7-11, 3543 S. Old Kawkawlin Rd.
- Admiral Petroleum, 314 S Euclid Ave.
- Sequin Lumber, 3881 Euclid Ave
- Top Gun Liquor, 2981 Midland Rd
- Little Caesars, 3475 E North Union Rd

- Number 1 Fire Station, 1401 Center Ave
- Number 2 Fire Station, 1000 Fremont Ave
- Jack's Fruit Market, 1000 Salzburg Ave
- Number 4 Fire Station, 212 S. Dean St
- Number 5 Fire Station, 1209 Smith St
- Bay City Hall, 301 Washington Ave
- Skipper Buds Marina, 1809 S Water St
- Bay Valley Animal Hospital 6015 WS Saginaw Rd

- Dore's M-84 Party Store, 6183 WS Saginaw Rd
- Pump Station #13, 6000 WS Saginaw Rd
- Rail Trail Pump Station, 366 N. Tuscola Rd.
- Little Learners Daycare, 1694 Cass Ave.
- Wieland Contracting, 2443 S Mackinaw Rd
- Sample Station, 2515 S. 11 Mile Rd
- Sample Station, 340 W. Beaver Rd
- Essexville City Hall, 1107 Woodside Ave

Comments:

Akron's BacT sample on 11/4 had a free chlorine residual lower than 0.02 mg/L which prompted HPC testing, counts from the two plates came back as 0/0.

Shading Designation Legend	
TC / EC-	TC+
HPC	EC+

Distribution System Monitoring																											
Chlorine Residual at Bacteriological Monitoring Stations (mg/L Free Cl ₂)																											
WSSN:	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
11/1/2025	0.76		0.70	0.18	0.42	0.32	1.12	0.55		0.72		0.78		0.37		0.96	0.57	0.67	0.46		0.43		0.44	0.59	0.57	0.20	0.26
11/2/2025																											
11/3/2025																											
11/4/2025																											
11/5/2025																											
11/6/2025																											
11/7/2025																											
11/8/2025																											
11/9/2025																											
11/10/2025																											
11/11/2025	0.31			0.33	0.56	0.32			0.90	0.73			0.36		0.98	0.56	0.71	0.50		0.53		0.47					
11/12/2025																											
11/13/2025																											
11/14/2025																											
11/15/2025																											
11/16/2025																											
11/17/2025																											
11/18/2025																											
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11/25/2025																											
11/26/2025																											
11/27/2025																											
11/28/2025																											
11/29/2025																											
11/30/2025																											
Average	0.54			0.40			0.86			0.73		0.78		0.37		0.74			0.48		0.48		0.44		0.45	0.26	
Min	0.31			0.18			0.55			0.72		0.78		0.36		0.56			0.46		0.43		0.44		0.20	0.26	
Max	0.76			0.70			1.12			0.73		0.78		0.37		0.98			0.50		0.53		0.44		0.59	0.26	

MONITORING STATION ADDRESSES

34. Fraser Elevated Tank, 2949 1/2 N. Huron Rd
 35. Lloyd's Cabinet, 1947 N Huron Rd
 36. Shirts Mugs & More, 2728 Center Ave
 37. Hampton DPW, 950 Wagner Rd.
 38. Bay County Golf Course, 584 W Hampton Rd.
 39. Sewer Lift Station, 902 Nebobish Rd.
 40. Bay Co. Road Commisison, 2600 E Beaver Rd
 41. Parish Rd. Elevated Tank, 1770 E. Parish Rd
 42. Linwood Tile, 205 S Huron Rd

43. Speedway, 106 S. Huron Rd.
 45. Kawkawlin Restaurant, 103 S Huron Rd
 46. John's Bar, 1476 S Tuscola Rd
 48. Tool Shed Bar, 12 W Munger Rd
 49. Wilder Rd Party Store, 2951 E Wilder Rd
 52. Monitor Twp. Elevated Tank, 1611 E. Midland Rd
 55. Auburn Fertilizer, 4640 S 7 Mile Rd
 58. Pinconning City Hall, 208 S Manitou St

59. Marathon Gas Station, 511 S Mabel St
 61. Pinconning Meter Pit, 3005 N Huron Rd
 63. Master Meter Pit, 2865 Pinconning Rd
 65. Ike's Welding, 50 N Finn Rd
 68. Williams Township Hall, 1080 W Midland Rd
 69. Pump Station, 490 W. Salzburg & 9 Mile Rd
 70. 11 Mile Elevated Tank, 5003 S. 11 Mile Rd
 72. Lindy's Sales, 9051 M-25

73. Larry Chambers, 407 W. Clara Street
 74. Linwood Party and Sporting Goods, 211 W. Center St.

Shading Designation Legend	
TC- / EC-	TC+
HPC	EC+

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 System - WSSN 0465					
						November, 2025					
DISTRIBUTION SYSTEM SAMPLES											
COUNTY	COMMUNITY	WSSN	CHLORINE MONITORING			BACTERIOLOGICAL MONITORING					
			AVERAGE FREE CL ₂ RESIDUAL	SAMPLES WITH NO DETECTABLE* FREE CL ₂ RESIDUAL	PERCENT OF SAMPLES WITH NO DETECTABLE* FREE CL ₂ RESIDUAL	NUMBER OF ROUTINE SAMPLES REQUIRED	NUMBER OF SAMPLES COLLECTED	NUMBER OF POSITIVE SAMPLES	REPEAT SAMPLES REQUIRED	NUMBER OF REPEAT SAMPLES GATHERED	REPEAT SAMPLING COMPLETE
Tuscola	Akron	0072	0.01	0	0.0	1	1	0	0		
BAY	Bangor Township	0390	0.57	0	0.0	10	10	0	0		
BAY	Bangor-Monitor Dist.	0400	0.93	0	0.0	3	3	0	0		
BAY	Bay City	0470	0.60	0	0.0	30	42	0	0		
BAY	Bay County (Frankl./Monitor/Portsm.)	0485	0.82	0	0.0	9	10	0	0		
BAY	Beaver Road Area	0517	0.83	0	0.0	1	1	0	0		
BAY	Beaver Township	0518	0.26	0	0.0	2	2	0	0		
BAY	Essexville	2180	1.06	0	0.0	4	4	0	0		
BAY	Fraser Township	2465	0.54	0	0.0	2	2	0	0		
BAY	Hampton Township	2960	0.40	0	0.0	10	10	0	0		
BAY	Kawkawlin Township	3565	0.86	0	0.0	3	3	0	0		
BAY	Kawkawlin Metro Dist.	3570	0.73	0	0.0	2	2	0	0		
BAY	Linwood Metro Water District	3910	0.78	0	0.0	1	1	0	0		
BAY	Merritt Township	4280	0.37	0	0.0	2	2	0	0		
BAY	Monitor Township	4440	0.74	0	0.0	6	6	0	0		
BAY	City of Pinconning	5330	0.48	0	0.0	2	2	0	0		
BAY	Pinconning Township	5335	0.48	0	0.0	2	2	0	0		
BAY	Portsmouth Township	5540	0.44	0	0.0	1	1	0	0		
BAY	Williams Township	7125	0.45	0	0.0	6	6	0	0		
Tuscola	Wisner	7134	0.26	0	0.0	1	1	0	0		
Total Distribution - Free Chlorine Samples						Repeat Bacteriological Sampling Details					
Required Number of Routine Samples: 98 Total Number of Routine Samples Gathered: 111 Free Chlorine Analysis: Minimum Free Chlorine Residual: 0.01 mg/L Average Free Chlorine Residual: 0.61 mg/L Median Free Chlorine Residual: 0.57 mg/L Maximum Free Chlorine Residual: 1.12 mg/L Range of Free Chlorine Residual: 1.11 mg/L Water Plant's Free Chlorine Residual at POE to Distribution: Minimum Free Chlorine Residual: 0.99 mg/L Average Free Chlorine Residual: 1.18 mg/L Maximum Free Chlorine Residual: 1.34 mg/L						If repeat samples were required, this space will be filled out to document those details.					

DETECTABLE*: The detectable level of free chlorine is determined by having either a free chlorine residual greater than or equal to 0.02 mg/L at the time of sample collection or by HPC results less than or equal to 500 colony forming units (CFU) per mL.