

# Bay Area WTP

## Monthly Operations Report



September, 2020

Water Systems Serial Number:

0465

A handwritten signature in black ink that reads "Ryan Goebel".

Ryan Goebel

Water Plant Superintendent

Title

F-1

Classification

A handwritten signature in black ink that reads "Mike Wagar".

Mike Wagar

Operations Supervisor

Title

F-2

Classification

# Bay Area Water Treatment Plant

## Monthly Operations Report

Supply Name: Bay Area Water System  
 WSSN: 0465

Ryan Goebel  
 Operator-in-charge

September, 2020  
 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	17.4	Millions of Gallons per Day
Treatment Rate, Maximum	9.3	Millions of Gallons per Day
Maximum Approved Transmembrane Pressure	22	PSI
Maximum Operating Transmembrane Pressure	13.93	PSI
Maximum Approved Flux Rate	36.25	gpd/sq.ft.
Maximum Operating Flux Rate	29.63	gpd/sq.ft.

### Chemical Data

Sodium Hypochlorite on hand:	4,970	Gallons	Estimated Supply:	40.2	days
Caustic Soda on hand:	928	Gallons	Estimated Supply:	57.3	days
Corrosion Inhibitor on hand:	1,373	Gallons	Estimated Supply:	55.4	days
Hydrofluosilicic Acid on hand:	1,038	Gallons	Estimated Supply:	47.2	days
Aluminum Chlorohydrate on hand:	968	Gallons	Estimated Supply:	45.3	days
Sulfuric Acid on hand:	736	Gallons	Estimated Supply:	195.5	days
Sodium Bisulfite on hand:	919	Gallons	Estimated Supply:	127.5	days
Citric Acid on hand:	2,034	Gallons	Estimated Supply:	169.1	days
Cost of All Chemicals per Million Gallons:	70.50	Dollars			
Estimated Electrical Cost per Million Gallons:	79.24	Dollars			
Estimated Natural Gas Cost per Million Gallons:	4.75	Dollars			

### 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

Raw water tank out of service for cleaning and inspection on 9/28/20 and back in service on 10/2/20.

## 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	
9/1/2020	3.12	6.03	9.15	0.29	0.08	8.88	4.61	4.02	8.63
9/2/2020	3.08	6.10	9.18	0.29	0.08	8.44	4.43	3.95	8.38
9/3/2020	3.12	5.52	8.64	0.30	0.10	8.86	4.55	4.07	8.62
9/4/2020	4.08	4.95	9.03	0.27	0.10	9.26	4.71	4.19	8.90
9/5/2020	4.07	4.73	8.80	0.27	0.09	8.47	4.51	3.96	8.47
9/6/2020	3.24	4.30	7.54	0.23	0.08	7.70	3.76	3.59	7.35
9/7/2020	3.73	4.16	7.88	0.26	0.08	8.04	3.94	3.83	7.77
9/8/2020	4.08	4.20	8.28	0.29	0.09	8.03	3.91	3.83	7.74
9/9/2020	4.08	4.20	8.28	0.27	0.09	7.76	3.84	3.55	7.40
9/10/2020	4.08	3.12	7.20	0.20	0.08	7.21	3.76	3.41	7.17
9/11/2020	3.99	2.92	6.91	0.24	0.08	7.67	3.72	3.56	7.27
9/12/2020	3.49	4.18	7.67	0.19	0.08	7.69	3.76	3.62	7.38
9/13/2020	3.50	4.35	7.85	0.21	0.09	7.38	3.63	3.48	7.11
9/14/2020	3.67	4.27	7.95	0.22	0.11	7.73	3.82	3.66	7.48
9/15/2020	3.85	4.11	7.96	0.26	0.09	8.05	4.19	3.63	7.82
9/16/2020	3.86	3.77	7.63	0.24	0.10	8.50	4.49	3.88	8.37
9/17/2020	3.88	4.74	8.62	0.23	0.10	7.84	4.06	3.52	7.58
9/18/2020	3.33	4.42	7.75	0.20	0.10	7.35	3.91	3.36	7.27
9/19/2020	2.89	3.79	6.68	0.20	0.15	7.48	3.95	3.40	7.35
9/20/2020	2.87	4.27	7.14	0.11	0.24	7.07	3.56	3.31	6.87
9/21/2020	2.74	5.65	8.39	0.23	0.16	8.34	4.10	4.01	8.11
9/22/2020	2.61	6.39	9.00	0.17	0.22	7.77	3.89	3.79	7.68
9/23/2020	2.58	5.27	7.85	0.20	0.22	8.34	4.00	3.90	7.90
9/24/2020	2.58	4.88	7.46	0.14	0.25	8.47	4.36	3.88	8.24
9/25/2020	2.27	5.27	7.54	0.23	0.15	8.32	4.33	3.77	8.10
9/26/2020	0.71	5.80	6.51	0.35	0.09	7.74	4.16	3.57	7.73
9/27/2020	0.00	4.25	4.25	0.33	0.09	7.93	3.96	3.46	7.42
9/28/2020	0.14	5.58	5.72	0.31	0.08	6.37	3.41	3.24	6.65
9/29/2020	0.13	7.04	7.17	0.30	0.08	7.01	3.49	3.33	6.82
9/30/2020	0.16	7.35	7.50	0.26	0.08	7.34	3.60	3.44	7.04
Total	85.92	145.61	231.54	7.28	3.41	237.03	120.41	110.20	230.62
Avg	2.86	4.85	7.72	0.24	0.11	7.90	4.01	3.67	7.69
Min	0.00	2.92	4.25	0.11	0.08	6.37	3.41	3.24	6.65
Max	4.08	7.35	9.18	0.35	0.25	9.26	4.71	4.19	8.90



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	
9/1/2020	21.6	7.96	0.51	1.48	0.08	0.54	Negative	Negative
9/2/2020	21.5	7.91	0.41	0.95	0.08	0.69	Negative	Negative
9/3/2020	21.5	7.95	0.50	6.90	0.08	0.61	Negative	Negative
9/4/2020	21.3	7.92	0.57	9.79	0.08	0.69	Negative	Negative
9/5/2020	21.1	7.85	1.10	13.04	0.09	0.68	Negative	Negative
9/6/2020	20.6	7.81	0.74	4.34	0.08	0.74	Negative	Negative
9/7/2020	19.8	7.76	0.66	2.20	0.08	0.82	Negative	Negative
9/8/2020	19.3	7.75	0.83	3.93	0.08	0.75	Negative	Negative
9/9/2020	19.1	7.88	0.65	1.90	0.09	0.64	Negative	Negative
9/10/2020	19.2	7.92	1.35	3.18	0.08	0.42	Negative	Negative
9/11/2020	19.2	7.89	1.97	11.18	0.09	0.51	Negative	Negative
9/12/2020	19.1	7.95	1.20	3.83	0.09	0.44	Negative	Negative
9/13/2020	19.0	7.98	2.37	4.67	0.09	0.24	Negative	Negative
9/14/2020	18.9	7.93	2.13	13.16	0.10	0.25	Negative	Negative
9/15/2020	18.9	7.88	1.16	3.41	0.09	0.45	Negative	Negative
9/16/2020	18.9	7.93	1.36	6.17	0.09	0.32	Negative	Negative
9/17/2020	18.8	7.97	1.71	11.23	0.08	0.23	Negative	Negative
9/18/2020	18.7	7.96	1.54	2.45	0.08	0.36	Negative	Negative
9/19/2020	18.5	8.04	2.40	9.06	0.08	0.18	Negative	Negative
9/20/2020	18.4	8.04	2.57	8.20	0.08	0.28	Negative	Negative
9/21/2020	18.3	8.06	1.75	4.28	0.07	0.32	Negative	Negative
9/22/2020	18.2	8.12	2.42	3.46	0.08	0.13	Negative	Negative
9/23/2020	18.2	8.05	2.16	4.28	0.07	0.21	Negative	Negative
9/24/2020	18.1	8.09	2.46	57.91	0.09	0.24	Negative	Negative
9/25/2020	18.1	8.02	1.41	6.04	0.09	0.36	Negative	Negative
9/26/2020	18.0	8.04	1.60	2.53	0.09	0.50	Negative	Negative
9/27/2020	18.1	8.04	1.17	2.73	0.09	0.52	Negative	Negative
9/28/2020	18.1	8.02	1.06	1.59	0.09	0.37	Negative	Negative
9/29/2020	18.0	8.03	0.88	1.08	0.09	0.16	Negative	Negative
9/30/2020	17.9	8.05	0.87	2.01	0.08	0.05	Negative	Negative
Avg	19.1	7.96	1.38	6.90	0.08	0.42	NA	NA
Min	17.9	7.75	0.41	0.95	0.07	0.05	NA	NA
Max	21.6	8.12	2.57	57.91	0.10	0.82	NA	NA



Finished Water Analysis

Date	Temp	pH	Phosphate	Fluoride		Free Cl <sub>2</sub>	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	Bacti	
	Average	Average	Average	Tap	Dist	Average	Carbonate	Bicarbonate	Grab	Grab	Grab	Grab	Grab	Index	Ratio	Index	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				Calculated	
9/1/2020	21.3	7.63	3.37	0.77		1.21	0	76	12	11	74	7.7	229	-0.55	1.09	0.46	Negative	Negative
9/2/2020	21.5	7.63	3.36	0.78		1.22	0	78	12	12	82	7.7	224	-0.49	1.00	0.46	Negative	Negative
9/3/2020	21.4	7.63	3.36	0.80		1.20	0	74	10	9	68	7.4	224	-0.60	1.11	0.39	Negative	Negative
9/4/2020	21.1	7.63	3.40	0.80		1.21	0	76	10	11	70	7.8	224	-0.57	0.91	0.41	Negative	Negative
9/5/2020	21.0	7.62	3.41	0.79		1.20	0	74	10	10	72	7.9	223	-0.59	1.00	0.41	Negative	Negative
9/6/2020	20.5	7.61	3.40	0.79		1.21	0	74	10	12	70	8.0	224	-0.62	0.83	0.44	Negative	Negative
9/7/2020	19.4	7.61	3.39	0.78		1.22	0	74	10	11	70	8.4	224	-0.65	0.91	0.42	Negative	Negative
9/8/2020	18.2	7.61	3.39	0.79	0.74	1.20	0	75	10	11	72	9.1	224	-0.66	0.91	0.42	Negative	Negative
9/9/2020	17.3	7.61	3.39	0.85		1.23	0	72	10	11	70	9.2	222	-0.70	0.91	0.44	Negative	Negative
9/10/2020	17.4	7.64	3.38	0.78		1.21	0	76	12	10	72	8.7	227	-0.64	1.20	0.44	Negative	Negative
9/11/2020	17.9	7.65	3.37	0.76		1.21	0	75	12	10	72	8.1	230	-0.62	1.20	0.45	Negative	Negative
9/12/2020	18.2	7.66	3.37	0.78		1.21	0	76	12	11	76	8.3	229	-0.58	1.09	0.46	Negative	Negative
9/13/2020	18.4	7.67	3.36	0.76		1.19	0	77	12	10	74	8.4	233	-0.57	1.20	0.44	Negative	Negative
9/14/2020	18.4	7.69	3.36	0.78	0.76	1.19	0	79	12	11	72	8.3	232	-0.55	1.09	0.44	Negative	Negative
9/15/2020	18.4	7.69	3.36	0.78		1.23	0	80	11	11	74	9.8	242	-0.54	1.00	0.41	Negative	Negative
9/16/2020	18.5	7.60	3.38	0.78		1.21	0	80	11	11	74	9.8	242	-0.62	1.00	0.41	Negative	Negative
9/17/2020	18.4	7.59	3.38	0.81		1.19	0	78	11	11	76	8.7	241	-0.64	1.00	0.43	Negative	Negative
9/18/2020	18.2	7.59	3.38	0.80		1.20	0	78	13	11	68	8.5	240	-0.68	1.18	0.47	Negative	Negative
9/19/2020	18.1	7.60	3.38	0.81		1.20	0	80	13	11	68	8.5	242	-0.67	1.18	0.46	Negative	Negative
9/20/2020	18.1	7.62	3.37	0.80		1.19	0	78	12	11	66	8.5	246	-0.68	1.09	0.45	Negative	Negative
9/21/2020	17.9	7.62	3.36	0.78	0.77	1.20	0	78	12	13	78	9.0	244	-0.60	0.92	0.48	Negative	Negative
9/22/2020	17.8	7.66	3.40	0.79		1.20	0	84	13	12	68	8.6	253	-0.60	1.08	0.45	Negative	Negative
9/23/2020	17.7	7.66	3.43	0.75		1.20	0	78	13	12	74	8.9	253	-0.59	1.08	0.49	Negative	Negative
9/24/2020	17.6	7.66	3.42	0.76		1.20	0	84	14	11	80	8.5	255	-0.54	1.27	0.46	Negative	Negative
9/25/2020	17.7	7.64	3.39	0.76		1.21	0	83	14	11	78	8.3	250	-0.57	1.27	0.46	Negative	Negative
9/26/2020	17.5	7.62	3.41	0.78		1.21	0	81	14	10	76	8.5	244	-0.61	1.40	0.46	Negative	Negative
9/27/2020	17.6	7.63	3.41	0.77		1.22	0	82	14	10	74	8.4	242	-0.60	1.40	0.45	Negative	Negative
9/28/2020	17.5	7.63	3.40	0.77	0.76	1.21	0	80	13	9	74	8.8	239	-0.62	1.44	0.43	Negative	Negative
9/29/2020	17.1	7.60	3.38	0.77		1.21	0	79	13	10	74	8.8	235	-0.66	1.30	0.45	Negative	Negative
9/30/2020	17.1	7.62	3.38	0.79		1.22	0	72	12	11	84	7.9	236	-0.62	1.09	0.48	Negative	Negative
Avg	18.6	7.63	3.38	0.78	0.76	1.21	0	78	12	11	73	8.5	236	-0.61	1.11	0.44	NA	NA
Min	17.1	7.59	3.36	0.75	0.74	1.19	0	72	10	9	66	7.4	222	-0.70	0.83	0.39	NA	NA
Max	21.5	7.69	3.43	0.85	0.77	1.23	0	84	14	13	84	9.8	255	-0.49	1.44	0.49	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
9/1/2020	0.51	1.48	1.23	0.65	0.024	0.024	96	0	0.0	0.018
9/2/2020	0.41	0.95	1.44	0.51	0.023	0.027	96	0	0.0	0.016
9/3/2020	0.50	6.90	0.99	0.45	0.022	0.027	96	0	0.0	0.014
9/4/2020	0.57	9.79	0.81	0.46	0.022	0.023	96	0	0.0	0.014
9/5/2020	1.10	13.04	0.66	0.63	0.022	0.051	96	0	0.0	0.014
9/6/2020	0.74	4.34	0.43	0.74	0.022	0.022	96	0	0.0	0.014
9/7/2020	0.66	2.20	0.52	0.69	0.022	0.024	96	0	0.0	0.014
9/8/2020	0.83	3.93	0.71	0.70	0.021	0.029	96	0	0.0	0.014
9/9/2020	0.65	1.90	1.27	0.75	0.022	0.032	96	0	0.0	0.018
9/10/2020	1.35	3.18	2.72	0.90	0.021	0.022	96	0	0.0	0.014
9/11/2020	1.97	11.18	1.98	1.57	0.021	0.024	96	0	0.0	0.014
9/12/2020	1.20	3.83	2.25	1.41	0.022	0.022	96	0	0.0	0.014
9/13/2020	2.37	4.67	3.06	1.80	0.022	0.022	96	0	0.0	0.014
9/14/2020	2.13	13.16	7.23	2.47	0.022	0.027	96	0	0.0	0.014
9/15/2020	1.16	3.41	5.41	2.00	0.023	0.024	96	0	0.0	0.014
9/16/2020	1.36	6.17	3.65	1.60	0.023	0.027	96	0	0.0	0.014
9/17/2020	1.71	11.23	4.51	1.71	0.023	0.026	96	0	0.0	0.014
9/18/2020	1.54	2.45	4.28	1.63	0.023	0.026	96	0	0.0	0.014
9/19/2020	2.40	9.06	5.29	1.80	0.023	0.024	96	0	0.0	0.014
9/20/2020	2.57	8.20	5.33	2.31	0.025	0.026	96	0	0.0	0.014
9/21/2020	1.75	4.28	6.78	1.94	0.025	0.040	96	0	0.0	0.015
9/22/2020	2.42	3.46	9.57	2.10	0.024	0.025	96	0	0.0	0.014
9/23/2020	2.16	4.28	15.60	2.09	0.025	0.026	96	0	0.0	0.014
9/24/2020	2.46	57.91	15.31	2.14	0.025	0.026	96	0	0.0	0.018
9/25/2020	1.41	6.04	16.00	2.52	0.024	0.025	96	0	0.0	0.017
9/26/2020	1.60	2.53	8.19	1.81	0.023	0.024	96	0	0.0	0.017
9/27/2020	1.17	2.73	9.40	1.60	0.023	0.023	96	0	0.0	0.017
9/28/2020	1.06	1.59	3.32	1.63	0.022	0.025	96	0	0.0	0.017
9/29/2020	0.88	1.08	3.30	1.06	0.022	0.023	96	0	0.0	0.017
9/30/2020	0.87	2.01	5.16	0.89	0.022	0.023	96	0	0.0	0.017
Avg	1.38	6.90	4.88	1.42	0.023	0.026	96	0	0.0	0.015
Min	0.41	0.95	0.43	0.45	0.021	0.022	96	0	0.0	0.014
Max	2.57	57.91	16.00	2.52	0.025	0.051	96	0	0.0	0.018

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		
	Average		Max	Average		Max	Average		Max	Average		Max	Average		Max	Average		Max	Average		Max	Average		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
9/1/2020	4.42	PASS	0.019	4.49	PASS	0.032	4.46	PASS	0.020	4.53	PASS	0.018	4.38	PASS	0.027	4.60	PASS	0.023	4.54	PASS	0.034	4.36	PASS	0.025		
9/2/2020	4.42	PASS	0.020	4.48	PASS	0.032	4.49	PASS	0.020	4.59	PASS	0.018	4.41	PASS	0.025	4.66	PASS	0.023	4.60	PASS	0.033	4.38	PASS	0.025		
9/3/2020	4.44	PASS	0.019	4.50	PASS	0.032	4.52	PASS	0.020	4.59	PASS	0.018	4.40	PASS	0.027	4.68	PASS	0.023	4.53	PASS	0.034	4.40	PASS	0.025		
9/4/2020	4.43	PASS	0.019	4.51	PASS	0.032	4.64	PASS	0.020	4.62	PASS	0.018	4.42	PASS	0.026	4.70	PASS	0.023	4.59	PASS	0.033	4.45	PASS	0.025		
9/5/2020	4.41	PASS	0.019	4.51	PASS	0.032	4.56	PASS	0.020	4.65	PASS	0.018	4.40	PASS	0.025	4.68	PASS	0.023	4.56	PASS	0.034	4.50	PASS	0.025		
9/6/2020	4.41	PASS	0.018	4.56	PASS	0.032	4.49	PASS	0.020	4.60	PASS	0.019	4.38	PASS	0.025	4.67	PASS	0.022	4.54	PASS	0.033	4.44	PASS	0.025		
9/7/2020	4.43	PASS	0.017	4.50	PASS	0.032	4.80	PASS	0.020	4.61	PASS	0.017	4.36	PASS	0.022	4.67	PASS	0.022	4.61	PASS	0.034	4.51	PASS	0.025		
9/8/2020	4.41	PASS	0.016	4.50	PASS	0.032	4.62	PASS	0.019	4.60	PASS	0.018	4.36	PASS	0.024	4.67	PASS	0.022	4.58	PASS	0.033	4.50	PASS	0.025		
9/9/2020	4.39	PASS	0.019	4.49	PASS	0.034	4.47	PASS	0.019	4.57	PASS	0.018	4.41	PASS	0.023	4.65	PASS	0.022	4.59	PASS	0.034	4.51	PASS	0.024		
9/10/2020	4.39	PASS	0.019	4.47	PASS	0.032	4.45	PASS	0.020	4.55	PASS	0.018	4.42	PASS	0.022	4.64	PASS	0.022	4.54	PASS	0.032	4.46	PASS	0.025		
9/11/2020	4.37	PASS	0.020	4.44	PASS	0.032	4.46	PASS	0.020	4.53	PASS	0.018	4.42	PASS	0.025	4.60	PASS	0.022	4.55	PASS	0.034	4.34	PASS	0.025		
9/12/2020	4.35	PASS	0.020	4.41	PASS	0.033	4.45	PASS	0.020	4.48	PASS	0.018	4.36	PASS	0.022	4.57	PASS	0.022	4.51	PASS	0.034	4.32	PASS	0.025		
9/13/2020	4.33	PASS	0.021	4.39	PASS	0.032	4.40	PASS	0.020	4.46	PASS	0.019	4.37	PASS	0.022	4.56	PASS	0.022	4.47	PASS	0.035	4.35	PASS	0.025		
9/14/2020	4.30	PASS	0.022	4.34	PASS	0.033	4.38	PASS	0.021	4.43	PASS	0.019	4.31	PASS	0.027	4.56	PASS	0.023	4.45	PASS	0.036	4.26	PASS	0.026		
9/15/2020	4.31	PASS	0.023	4.36	PASS	0.034	4.38	PASS	0.022	4.45	PASS	0.020	4.31	PASS	0.027	4.54	PASS	0.024	4.48	PASS	0.037	4.28	PASS	0.026		
9/16/2020	4.30	PASS	0.023	4.44	PASS	0.034	4.37	PASS	0.022	4.45	PASS	0.021	4.29	PASS	0.027	4.68	PASS	0.024	4.46	PASS	0.037	4.30	PASS	0.027		
9/17/2020	4.31	PASS	0.023	4.37	PASS	0.039	4.36	PASS	0.025	4.44	PASS	0.022	4.30	PASS	0.029	4.64	PASS	0.027	4.46	PASS	0.035	4.29	PASS	0.030		
9/18/2020	4.28	PASS	0.030	4.35	PASS	0.039	4.32	PASS	0.026	4.39	PASS	0.023	4.29	PASS	0.030	4.62	PASS	0.028	4.41	PASS	1.000	4.28	PASS	0.031		
9/19/2020	4.29	PASS	0.029	4.37	PASS	0.038	4.29	PASS	0.026	4.43	PASS	0.023	4.27	PASS	0.029	4.61	PASS	0.027	4.40	PASS	0.041	4.30	PASS	0.031		
9/20/2020	4.25	PASS	0.030	4.36	PASS	0.039	4.28	PASS	0.026	4.41	PASS	0.023	4.30	PASS	0.029	4.62	PASS	0.028	4.38	PASS	0.042	4.29	PASS	0.032		
9/21/2020	4.26	PASS	0.031	4.32	PASS	0.040	4.30	PASS	0.027	4.40	PASS	0.024	4.29	PASS	0.030	4.57	PASS	0.028	4.38	PASS	0.041	4.26	PASS	0.032		
9/22/2020	4.25	PASS	0.030	4.32	PASS	0.040	4.27	PASS	0.026	4.35	PASS	0.023	4.23	PASS	0.032	4.42	PASS	0.027	4.36	PASS	0.041	4.34	PASS	0.031		
9/23/2020	4.33	PASS	0.035	4.31	PASS	0.040	4.26	PASS	0.028	4.33	PASS	0.024	4.39	PASS	0.032	4.43	PASS	0.028	4.40	PASS	0.042	4.28	PASS	0.031		
9/24/2020	4.41	PASS	0.034	4.28	PASS	0.040	4.25	PASS	0.027	4.30	PASS	0.025	4.41	PASS	0.029	4.47	PASS	0.028	4.35	PASS	0.039	4.10	PASS	0.032		
9/25/2020	4.55	PASS	0.032	4.26	PASS	0.040	4.37	PASS	0.027	4.48	PASS	0.024	4.26	PASS	0.030	4.47	PASS	0.028	4.34	PASS	0.039	4.10	PASS	0.031		
9/26/2020	4.42	PASS	0.030	4.27	PASS	0.039	4.50	PASS	0.027	4.48	PASS	0.023	4.29	PASS	0.030	4.40	PASS	0.027	4.40	PASS	0.039	4.14	PASS	0.030		
9/27/2020	4.41	PASS	0.028	4.33	PASS	0.039	4.34	PASS	0.026	4.47	PASS	0.023	4.32	PASS	0.029	4.45	PASS	0.027	4.43	PASS	0.039	4.18	PASS	0.030		
9/28/2020	4.40	PASS	0.027	4.34	PASS	0.038	4.36	PASS	0.024	4.50	PASS	0.023	4.39	PASS	0.028	4.51	PASS	0.026	4.45	PASS	0.037	4.20	PASS	0.030		
9/29/2020	4.42	PASS	0.026	4.33	PASS	0.038	4.35	PASS	0.024	4.50	PASS	0.022	4.41	PASS	0.029	4.47	PASS	0.026	4.43	PASS	0.037	4.20	PASS	0.029		
9/30/2020	4.41	PASS	0.025	4.33	PASS	0.038	4.33	PASS	0.024	4.49	PASS	0.021	4.36	PASS	0.028	4.49	PASS	0.026	4.43	PASS	0.036	4.21	PASS	0.029		
Avg	4.37		0.024	4.40		0.035	4.42		0.023	4.49		0.021	4.35		0.027	4.58		0.025	4.47		0.069	4.32		0.028		
Min	4.25		0.016	4.26		0.032	4.25		0.019	4.30		0.017	4.23		0.022	4.40		0.022	4.34		0.032	4.10		0.024		
Max	4.55		0.035	4.56		0.040	4.80		0.028	4.65		0.025	4.42		0.032	4.70		0.028	4.61		1.000	4.51		0.032		

\*LRV not to exceed 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 <sub>2</sub>					PO <sub>4</sub>		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
9/1/2020	8.9	0.54	0.26	1.06	1.38	1.21	3.20	3.37	0.08	0.65	0.77
9/2/2020	8.4	0.69	0.37	0.92	1.37	1.22	3.20	3.36	0.08	0.65	0.78
9/3/2020	8.9	0.61	0.36	0.95	1.33	1.20	3.20	3.36	0.08	0.65	0.80
9/4/2020	9.3	0.69	0.39	0.90	1.36	1.21	3.20	3.40	0.08	0.65	0.80
9/5/2020	8.5	0.68	0.41	0.92	1.34	1.20	3.20	3.41	0.09	0.65	0.79
9/6/2020	7.7	0.74	0.43	0.94	1.37	1.21	3.20	3.40	0.08	0.65	0.79
9/7/2020	8.0	0.82	0.50	0.85	1.35	1.22	3.20	3.39	0.08	0.65	0.78
9/8/2020	8.0	0.75	0.53	0.95	1.29	1.20	3.20	3.39	0.08	0.65	0.79
9/9/2020	7.8	0.64	0.50	1.18	1.36	1.23	3.20	3.39	0.09	0.62	0.85
9/10/2020	7.2	0.42	0.40	1.32	1.33	1.21	3.20	3.38	0.08	0.59	0.78
9/11/2020	7.7	0.51	0.30	1.35	1.36	1.21	3.20	3.37	0.09	0.59	0.76
9/12/2020	7.7	0.44	0.29	1.37	1.36	1.21	3.20	3.37	0.09	0.59	0.78
9/13/2020	7.4	0.24	0.21	1.49	1.35	1.19	3.20	3.36	0.09	0.59	0.76
9/14/2020	7.7	0.25	0.11	1.62	1.39	1.19	3.20	3.36	0.10	0.59	0.78
9/15/2020	8.0	0.45	0.13	1.47	1.41	1.23	3.20	3.36	0.09	0.59	0.78
9/16/2020	8.5	0.32	0.17	1.45	1.37	1.21	3.22	3.38	0.09	0.59	0.78
9/17/2020	7.8	0.23	0.11	1.46	1.39	1.19	3.22	3.38	0.08	0.59	0.81
9/18/2020	7.4	0.36	0.14	1.39	1.40	1.20	3.22	3.38	0.08	0.59	0.80
9/19/2020	7.5	0.18	0.08	1.43	1.40	1.20	3.22	3.38	0.08	0.59	0.81
9/20/2020	7.1	0.28	0.08	1.45	1.43	1.19	3.22	3.37	0.08	0.58	0.80
9/21/2020	8.3	0.32	0.12	1.34	1.38	1.20	3.23	3.36	0.07	0.58	0.78
9/22/2020	7.8	0.13	0.05	1.39	1.41	1.20	3.24	3.40	0.08	0.58	0.79
9/23/2020	8.3	0.21	0.05	1.40	1.41	1.20	3.23	3.43	0.07	0.58	0.75
9/24/2020	8.5	0.24	0.06	1.35	1.42	1.20	3.23	3.42	0.09	0.58	0.76
9/25/2020	8.3	0.36	0.10	1.48	1.39	1.21	3.23	3.39	0.09	0.58	0.76
9/26/2020	7.7	0.50	0.15	1.38	1.40	1.21	3.23	3.41	0.09	0.58	0.78
9/27/2020	7.9	0.52	0.21	1.32	1.38	1.22	3.23	3.41	0.09	0.58	0.77
9/28/2020	6.4	0.37	0.35	1.12	1.38	1.21	3.23	3.40	0.09	0.58	0.77
9/29/2020	7.0	0.16	0.44	1.27	1.35	1.21	3.23	3.38	0.09	0.58	0.77
9/30/2020	7.3	0.05	0.40	1.15	1.35	1.22	3.23	3.38	0.08	0.58	0.79
Avg	7.9	0.42	0.26	1.26	1.37	1.21	3.21	3.38	0.08	0.60	0.78
Min	6.4	0.05	0.05	0.85	1.29	1.19	3.20	3.36	0.07	0.58	0.75
Max	9.3	0.82	0.53	1.62	1.43	1.23	3.24	3.43	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 <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	TIT-1000	Calculated	Calculated
9/1/2020	57.7	2,167	0.54	1170	29.2	25.2	8.6	432	1.18	508.27	1,678.74	21.6	2.00	Y
9/2/2020	54.0	2,317	0.69	1590	29.1	23.1	8.4	427	1.17	498.51	2,088.87	21.5	2.00	Y
9/3/2020	52.7	2,373	0.61	1440	29.1	23.1	8.6	415	1.15	476.72	1,916.64	21.5	2.00	Y
9/4/2020	54.2	2,307	0.69	1581	29.1	23.5	8.9	405	1.15	467.22	2,047.79	21.3	2.00	Y
9/5/2020	63.5	1,971	0.68	1348	28.9	22.8	8.5	419	1.16	486.65	1,834.97	21.1	2.00	Y
9/6/2020	63.7	1,963	0.74	1455	29.1	22.9	7.3	485	1.15	560.03	2,015.49	20.6	2.00	Y
9/7/2020	60.5	2,066	0.82	1685	29.1	24.1	7.8	469	1.19	557.89	2,242.50	19.8	4.00	Y
9/8/2020	48.8	2,563	0.75	1917	29.0	23.7	7.7	467	1.13	529.69	2,446.50	19.3	4.00	Y
9/9/2020	46.1	2,711	0.64	1723	29.0	23.0	7.4	482	1.18	567.17	2,290.48	19.1	4.00	Y
9/10/2020	46.3	2,699	0.42	1141	29.0	22.6	7.2	493	1.17	576.50	1,717.74	19.2	4.00	Y
9/11/2020	46.2	2,708	0.51	1388	29.1	23.1	7.3	491	1.11	543.60	1,931.96	19.2	4.00	Y
9/12/2020	57.9	2,160	0.44	940	29.1	24.8	7.4	500	1.18	591.62	1,531.66	19.1	4.00	Y
9/13/2020	58.9	2,126	0.24	507	29.1	24.7	7.1	518	1.18	608.90	1,115.80	19.0	4.00	Y
9/14/2020	59.1	2,117	0.25	534	29.1	25.4	7.5	499	1.17	583.39	1,117.50	18.9	4.00	Y
9/15/2020	50.1	2,496	0.45	1129	29.1	23.6	7.8	462	1.20	556.23	1,684.77	18.9	4.00	Y
9/16/2020	45.2	2,768	0.32	894	29.1	23.1	8.4	428	1.14	488.00	1,381.97	18.9	4.00	Y
9/17/2020	43.9	2,848	0.23	660	29.1	23.3	7.6	474	1.15	547.66	1,207.76	18.8	4.00	Y
9/18/2020	45.4	2,756	0.36	991	29.1	23.9	7.3	499	1.19	593.40	1,584.28	18.7	4.00	Y
9/19/2020	53.4	2,344	0.18	416	29.1	22.2	7.3	479	1.16	555.96	971.51	18.5	4.00	Y
9/20/2020	53.5	2,336	0.28	645	29.0	21.9	6.9	508	1.15	586.05	1,230.93	18.4	4.00	Y
9/21/2020	53.2	2,350	0.32	744	25.5	22.4	8.1	405	1.16	469.94	1,214.43	18.3	4.00	Y
9/22/2020	50.5	2,477	0.13	318	23.4	22.8	7.7	412	1.18	487.60	805.67	18.2	4.00	Y
9/23/2020	50.0	2,501	0.21	534	23.6	23.0	7.9	404	1.15	466.01	1,000.43	18.2	4.00	Y
9/24/2020	49.7	2,518	0.24	612	24.6	24.0	8.2	404	0.16	66.01	677.67	18.1	4.00	Y
9/25/2020	53.0	2,362	0.36	860	25.2	24.6	8.1	421	1.14	480.51	1,340.24	18.1	4.00	Y
9/26/2020	65.2	1,919	0.50	956	23.9	23.3	7.7	419	1.13	472.27	1,428.54	18.0	4.00	Y
9/27/2020	65.4	1,912	0.52	999	24.3	23.7	7.4	444	1.20	530.64	1,529.51	18.1	4.00	Y
9/28/2020	55.9	2,238	0.37	835	16.4	15.8	6.7	331	1.18	389.62	1,224.51	18.1	4.00	Y
9/29/2020	48.1	2,599	0.16	410	21.0	20.4	6.8	415	1.18	488.13	897.86	18.0	4.00	Y
9/30/2020	40.4	3,098	0.05	165	15.7	15.2	7.0	301	1.19	357.50	522.51	17.9	4.00	Y
Avg	53.1	2,392	0.42	986	26.8	22.8	7.7	444	1.13	503.06	1,489.31	19.1	3.60	NA
Min	40.4	1,912	0.05	165	15.7	15.2	6.7	301	0.16	66.01	522.51	17.9	2.00	NA
Max	65.4	3,098	0.82	1,917	29.2	25.4	8.9	518	1.20	608.90	2,446.50	21.6	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: Date	0072 Akron					0390 Bangor Twp.					0400 Bangor Monitor Dist.			0470 Bay City						0485 Bay County				0517 Beaver Rd	0518 Beaver Twp		2180 Essexville
	1	3	4	5	6	7	9	10	11	12	13	14	15	16	17	18	19	20	22	24	26	29	30	32			
	9/1/2020	0.04	0.60	0.19	0.10	1.08											0.94	0.74	0.92		0.40				1.02		
9/2/2020									0.74	0.15	0.37	0.68	0.14	0.98	0.46												
9/3/2020						0.92	1.10																				
9/4/2020																											
9/5/2020																											
9/6/2020																											
9/7/2020																											
9/8/2020		0.42	0.24					1.12	0.77	0.13	0.39	0.86	0.14	1.05	0.48								0.24	1.17			
9/9/2020									0.72	0.18	0.38	0.68	0.17	0.94	0.40	1.04	0.80	0.94	0.74	0.49	1.05						
9/10/2020																											
9/11/2020																											
9/12/2020																											
9/13/2020																											
9/14/2020																								1.05			
9/15/2020		0.21	0.16	0.25	1.07																						
9/16/2020									0.71	0.13	0.44	0.72	0.18	1.07	0.53												
9/17/2020																		0.48									
9/18/2020																											
9/19/2020																											
9/20/2020																											
9/21/2020																								1.01			
9/22/2020									0.75	0.21	0.39	0.71	0.16	1.01	0.49												
9/23/2020																											
9/24/2020									0.74	0.18	0.36	0.75	0.16	0.99	0.44												
9/25/2020																											
9/26/2020																											
9/27/2020																											
9/28/2020																								1.01			
9/29/2020																											
9/30/2020									0.72	0.15	0.37	0.68	0.14	0.99	0.39												
Average	0.04		0.43					1.05				0.52					0.75				1.05		0.17	1.05			
Min	0.04		0.10					0.92				0.13					0.40				1.05		0.10	1.01			
Max	0.04		1.08					1.12				1.07					1.04				1.05		0.24	1.17			



MONITORING STATION ADDRESSES

- |  |   |   |
|--|---|---|
| 1. Sample station at corner of 5758 M-25 & F | 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         | 22. Duce's Char House, 432 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 Cl <sub>2</sub> )																									
WSSN:	2465		2960			3565			3570		4280		4440			5330		5335		5540	7125			7134	
Date	Fraser Twp.		Hampton Twp.			Kawkawlin Twp.			Kawkawlin Met.		Merritt Twp.		Monitor Twp.			City Pinconning		Pinconning Twp.		Portsmouth	Williams Twp.			Wisner	
	34	35	37	38	39	40	41	42	43	45	46	48	49	52	55	58	59	61	63	65	68	69	70	72	
9/1/2020			0.29	0.58	0.43						0.20									0.47	0.46	0.60	0.45	0.21	
9/2/2020																						0.55			
9/3/2020	0.88	1.09				1.10	0.64		0.68				0.98	0.60	0.72	0.51		0.74	0.47						
9/4/2020																									
9/5/2020																									
9/6/2020																									
9/7/2020																									
9/8/2020													1.05	0.60	0.68							0.50	0.62	0.41	
9/9/2020			0.27	0.62	0.39						0.22														
9/10/2020								0.93	0.82									0.21							
9/11/2020																									
9/12/2020																									
9/13/2020																									
9/14/2020			0.29	0.64	0.41																				
9/15/2020																									
9/16/2020																									
9/17/2020																									
9/18/2020																									
9/19/2020																									
9/20/2020																									
9/21/2020			0.31	0.57	0.32																				
9/22/2020																									
9/23/2020																									
9/24/2020																									
9/25/2020																									
9/26/2020																									
9/27/2020																									
9/28/2020																									
9/29/2020																									
9/30/2020																									
Average	0.99		0.43			0.89			0.75		0.21		0.77			0.36		0.61		0.47		0.51		0.21	
Min	0.88		0.27			0.64			0.68		0.20		0.60			0.21		0.47		0.47		0.41		0.21	
Max	1.09		0.64			1.10			0.82		0.22		1.05			0.51		0.74		0.47		0.62		0.21	



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 Commission, 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			
				September, 2020			
COUNTY	COMMUNITY	WSSN NUMBER	DISTRIBUTION SYSTEM SAMPLES				
			avg free cl2 mg/L	NUMBER REQUIRED	NUMBER COLLECTED	NUMBER POSITIVE	NUMBER REPEAT SAMPLES
Tuscola	Akron	0072	0.04	1	1	0	0
BAY	Bangor Township	0390	0.43	10	10	0	0
BAY	Bangor-Monitor Dist.	0400	1.05	3	3	0	0
BAY	Bay City	0470	0.52	40	42	0	0
BAY	Bay County (Frankl./Monitor/Portsm.)	0485	0.75	10	10	0	0
BAY	Beaver Road Area	0517	1.05	1	1	0	0
BAY	Beaver Township	0518	0.17	2	2	0	0
BAY	Essexville	2180	1.05	4	5	0	0
BAY	Fraser Township	2465	0.99	2	2	0	0
BAY	Hampton Township	2960	0.43	10	12	0	0
BAY	Kawkawlin Township	3565	0.89	3	3	0	0
BAY	Kawkawlin Metro Dist.	3570	0.75	2	2	0	0
BAY	Merritt Township	4280	0.21	2	2	0	0
BAY	Monitor Township	4440	0.77	6	6	0	0
BAY	City of Pinconning	5330	0.36	2	2	0	0
BAY	Pinconning Township	5335	0.61	2	2	0	0
BAY	Portsmouth Township	5540	0.47	1	1	0	0
BAY	Williams Township	7125	0.51	6	7	1	3
Tuscola	Wisner	7134	0.21	1	1	0	0
Average Free Cl2 Residual of All Distribution Sites			0.59	mg/L			
1. Total distribution samples			114				
2. Total distribution samples with detectable free cl2 residual			113				
3. Total distribution samples with no detectable free cl2 residual			1				
4. Total distribution samples with no detectable free cl2 residual and HPC was <500			1				
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%				
<p>On 9/1/20, sample #69 tested positive for Total Coliform, negative for E. coli</p> <p>On 9/2/20, sample #69, 69A &amp; 69B all tested negative for Total Coliform and E. coli</p> <p>9/2/20 free chlorine levels: #69A-0.71 mg/L, #69B-0.62 mg/L</p>							

