# Bay Area Water System

## Monthly Operations Report

October, 2026

*Water Systems Serial Number:* 0465

| | | |
|---|---|---|
| Carl J. Overly | Water Plant Superintendent | F-1, S-3, D-2 |
| | Title | Certifications |
| Mike Wagar | Operations Supervisor | F-1, S-4 |
| | Title | Certifications |

# Bay Area Water Treatment Plant

## Monthly Operations Report

Supply Name: Bay Area Water System
WSSN: 0465

Carl J. Overly
Operator-in-charge

October, 2026
Month, Year

F-1, S-3, D-2
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 | 7.6 | Millions of Gallons per Day |
| Maximum Approved Transmembrane Pressure | 22 | PSI |
| Maximum Operating Transmembrane Pressure | 9.76 | PSI |
| Maximum Approved Flux Rate | 36.25 | gpd/sq.ft. |
| Maximum Operating Flux Rate | 28.70 | gpd/sq.ft. |

### Chemical Data

| | | | | | |
|---|---|---|---|---|---|
| Sodium Hypochlorite on hand: | 2,460 | Gallons | Estimated Supply: | 39.6 | days |
| Caustic Soda on hand: | 3,970 | Gallons | Estimated Supply: | 271.9 | days |
| Corrosion Inhibitor on hand: | 1,222 | Gallons | Estimated Supply: | 57.2 | days |
| Hydrofluosilicic Acid on hand: | 727 | Gallons | Estimated Supply: | 44.5 | days |
| Aluminum Chlorohydrate on hand: | 444 | Gallons | Estimated Supply: | 91.6 | days |
| Sulfuric Acid on hand: | 63 | Gallons | Estimated Supply: | 31.7 | days |
| Sodium Bisulfite on hand: | 871 | Gallons | Estimated Supply: | 300.3 | days |
| Citric Acid on hand: | 922 | Gallons | Estimated Supply: | 73.8 | days |
| Cost of All Chemicals per Million Gallons: | 103.01 | Dollars | | | |

### Utility Data

| | | |
|---|---|---|
| Estimated Electrical Kilo Watts per Million Gallons: | 931.78 | KW |
| Estimated Natural Gas Million Cubic Feet per Million Gallons: | n/a | 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

Couple of changes to the MOR moving forward:

Standish Township's Bacteriological reporting has been add to pages 11 and 12

Standish Township is slowly starting to connect customers in Whites Beach and joing our other communities in group reporting.

Actual Air Hold Test, AHT, values have replaced the Pass/Fail membrane integrity reporting on the Page 7.

Page 7 also had its notes updated and a quick reference table added for high AHT results.

On October 22nd, Farley Tower had its mixer replace by USG.

In March, multiple Chlorine online analyzers were replaced with new Chemtrac Hydro ACT units. These units also monitor Temp and pH.

On October 26th, a scaling issue on the analog output card for Temp on the Raw Chemtract unit was discovered and corrected.

We normally report gas consumption per million gallons every month but our digital read out on the meter is down and waiting to be repaired by Consumers

# Bay Area WTP Monthly Operating Report

| 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 |
| Date | FIT-1000-1 | FIT-1000-2 | Calculated | FIT-5520-1 | FIT-5180 | FIT-4000-1 | FIT-4040-1 | FIT-4040-2 | Calculated |
| 10/1/2026 | 0.00 | 6.68 | 6.68 | 0.18 | 0.08 | 6.86 | 3.51 | 2.81 | 6.33 |
| 10/2/2026 | 0.00 | 6.60 | 6.60 | 0.15 | 0.09 | 7.11 | 3.64 | 2.85 | 6.49 |
| 10/3/2026 | 0.00 | 7.49 | 7.49 | 0.11 | 0.18 | 6.76 | 3.41 | 2.66 | 6.07 |
| 10/4/2026 | 0.00 | 6.69 | 6.69 | 0.18 | 0.08 | 7.09 | 3.67 | 2.93 | 6.60 |
| 10/5/2026 | 0.00 | 7.75 | 7.75 | 0.11 | 0.15 | 7.40 | 3.72 | 2.96 | 6.68 |
| 10/6/2026 | 0.00 | 7.22 | 7.22 | 0.14 | 0.14 | 7.63 | 3.79 | 3.12 | 6.91 |
| 10/7/2026 | 0.00 | 7.43 | 7.43 | 0.22 | 0.06 | 7.06 | 3.65 | 3.00 | 6.66 |
| 10/8/2026 | 0.00 | 7.41 | 7.41 | 0.21 | 0.08 | 7.39 | 3.69 | 2.98 | 6.67 |
| 10/9/2026 | 0.00 | 6.88 | 6.88 | 0.18 | 0.08 | 7.23 | 3.70 | 2.93 | 6.63 |
| 10/10/2026 | 0.00 | 7.08 | 7.08 | 0.12 | 0.14 | 6.98 | 3.53 | 2.79 | 6.32 |
| 10/11/2026 | 0.00 | 7.01 | 7.01 | 0.10 | 0.15 | 7.38 | 3.79 | 3.02 | 6.81 |
| 10/12/2026 | 0.00 | 7.59 | 7.59 | 0.16 | 0.08 | 7.10 | 3.47 | 2.83 | 6.30 |
| 10/13/2026 | 0.00 | 6.77 | 6.77 | 0.20 | 0.09 | 6.73 | 3.42 | 2.90 | 6.32 |
| 10/14/2026 | 0.00 | 7.18 | 7.18 | 0.14 | 0.08 | 6.47 | 3.20 | 2.61 | 5.81 |
| 10/15/2026 | 0.00 | 6.04 | 6.04 | 0.15 | 0.10 | 6.30 | 3.18 | 2.54 | 5.72 |
| 10/16/2026 | 0.00 | 5.88 | 5.88 | 0.21 | 0.08 | 7.06 | 3.59 | 2.86 | 6.46 |
| 10/17/2026 | 0.00 | 7.08 | 7.08 | 0.13 | 0.08 | 6.53 | 3.29 | 2.58 | 5.88 |
| 10/18/2026 | 0.00 | 6.81 | 6.81 | 0.14 | 0.08 | 6.83 | 3.42 | 2.82 | 6.24 |
| 10/19/2026 | 0.00 | 6.89 | 6.89 | 0.22 | 0.08 | 7.12 | 3.62 | 2.88 | 6.49 |
| 10/20/2026 | 0.00 | 7.29 | 7.29 | 0.20 | 0.08 | 6.95 | 3.53 | 2.82 | 6.35 |
| 10/21/2026 | 0.00 | 7.31 | 7.31 | 0.15 | 0.08 | 6.73 | 3.30 | 2.81 | 6.11 |
| 10/22/2026 | 0.00 | 6.67 | 6.67 | 0.16 | 0.08 | 6.91 | 3.41 | 2.96 | 6.36 |
| 10/23/2026 | 0.00 | 6.34 | 6.34 | 0.16 | 0.08 | 6.82 | 3.36 | 2.87 | 6.23 |
| 10/24/2026 | 0.00 | 6.54 | 6.54 | 0.16 | 0.08 | 6.79 | 3.36 | 2.73 | 6.10 |
| 10/25/2026 | 0.00 | 6.98 | 6.98 | 0.16 | 0.08 | 6.58 | 3.20 | 2.76 | 5.95 |
| 10/26/2026 | 0.00 | 6.72 | 6.72 | 0.20 | 0.08 | 6.98 | 3.52 | 2.85 | 6.37 |
| 10/27/2026 | 0.00 | 6.42 | 6.42 | 0.18 | 0.08 | 6.27 | 3.10 | 2.60 | 5.70 |
| 10/28/2026 | 0.00 | 6.81 | 6.81 | 0.19 | 0.08 | 7.32 | 3.64 | 3.02 | 6.66 |
| 10/29/2026 | 0.00 | 7.84 | 7.84 | 0.18 | 0.08 | 6.74 | 3.34 | 2.82 | 6.16 |
| 10/30/2026 | 0.00 | 6.85 | 6.85 | 0.16 | 0.08 | 6.89 | 3.38 | 2.84 | 6.21 |
| 10/31/2026 | 0.00 | 6.09 | 6.09 | 0.16 | 0.08 | 6.61 | 3.24 | 2.66 | 5.90 |
| Total | 0.00 | 214.35 | 214.35 | 5.10 | 2.87 | 214.60 | 107.69 | 87.78 | 195.47 |
| Avg | 0.00 | 6.91 | 6.91 | 0.16 | 0.09 | 6.92 | 3.47 | 2.83 | 6.31 |
| Min | 0.00 | 5.88 | 5.88 | 0.10 | 0.06 | 6.27 | 3.10 | 2.54 | 5.70 |
| Max | 0.00 | 7.84 | 7.84 | 0.22 | 0.18 | 7.63 | 3.79 | 3.12 | 6.91 |

| Recovery Process Efficiency |
|---|
| Sludge Flow / Recovery Flow |
| 36.0% |

| Facility Water Efficiency | | |
|---|---|---|
| Waste (MG) | Treated (MG) | T/W (G) |
| 8.54 | 214.60 | 25.1 |

| Raw Water Analysis | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 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 |
| Date | TIT-1000 | AIT-1000-2 | AIT-1000-1 | | Lab - Mem Feed | AIT-1035-2 | Lab | |
| 10/1/2026 | 8.0 | 8.00 | 0.95 | 1.28 | 0.09 | 0.45 | Neg | Neg |
| 10/2/2026 | 8.0 | 8.00 | 1.03 | 1.23 | 0.09 | 0.35 | Neg | Neg |
| 10/3/2026 | 8.0 | 7.94 | 1.27 | 1.71 | 0.10 | 0.52 | Neg | Neg |
| 10/4/2026 | 7.9 | 7.98 | 1.41 | 2.16 | 0.09 | 0.44 | Neg | Neg |
| 10/5/2026 | 7.9 | 8.00 | 1.53 | 2.26 | 0.10 | 0.28 | Neg | Neg |
| 10/6/2026 | 7.8 | 7.96 | 1.20 | 10.01 | 0.09 | 0.34 | Neg | Neg |
| 10/7/2026 | 7.8 | 7.92 | 0.67 | 1.38 | 0.09 | 0.69 | Neg | Neg |
| 10/8/2026 | 7.7 | 7.93 | 0.75 | 0.97 | 0.10 | 0.71 | Neg | Neg |
| 10/9/2026 | 7.6 | 7.97 | 1.07 | 1.48 | 0.10 | 0.48 | Neg | Neg |
| 10/10/2026 | 7.6 | 7.94 | 0.87 | 1.41 | 0.09 | 0.82 | Neg | Neg |
| 10/11/2026 | 7.5 | 7.97 | 0.86 | 1.24 | 0.09 | 0.86 | Neg | Neg |
| 10/12/2026 | 7.5 | 8.00 | 0.67 | 2.32 | 0.09 | 0.74 | Neg | Neg |
| 10/13/2026 | 7.5 | 8.02 | 0.51 | 0.76 | 0.09 | 0.59 | Neg | Neg |
| 10/14/2026 | 7.5 | 8.00 | 0.31 | 0.68 | 0.09 | 0.62 | Neg | Neg |
| 10/15/2026 | 7.5 | 8.02 | 0.38 | 0.73 | 0.09 | 0.49 | Neg | Neg |
| 10/16/2026 | 7.5 | 8.01 | 0.32 | 0.56 | 0.09 | 0.58 | Neg | Neg |
| 10/17/2026 | 7.5 | 8.01 | 0.61 | 0.88 | 0.09 | 0.58 | Neg | Neg |
| 10/18/2026 | 7.4 | 8.01 | 1.16 | 2.28 | 0.10 | 0.48 | Neg | Neg |
| 10/19/2026 | 7.2 | 8.02 | 0.88 | 1.58 | 0.09 | 0.50 | Neg | Neg |
| 10/20/2026 | 7.2 | 8.02 | 0.63 | 1.06 | 0.09 | 0.57 | Neg | Neg |
| 10/21/2026 | 7.1 | 8.02 | 0.52 | 0.96 | 0.10 | 0.59 | Neg | Neg |
| 10/22/2026 | 7.0 | 8.03 | 0.63 | 1.22 | 0.09 | 0.50 | Neg | Neg |
| 10/23/2026 | 7.0 | 8.01 | 0.49 | 0.59 | 0.09 | 0.61 | Neg | Neg |
| 10/24/2026 | 7.0 | 8.02 | 0.63 | 0.98 | 0.09 | 0.62 | Neg | Neg |
| 10/25/2026 | 7.0 | 8.03 | 0.55 | 0.70 | 0.09 | 0.67 | Neg | Neg |
| 10/26/2026 | 12.5 | 8.03 | 0.44 | 0.52 | 0.09 | 0.64 | Neg | Neg |
| 10/27/2026 | 15.1 | 8.04 | 0.44 | 0.90 | 0.09 | 0.58 | Neg | Neg |
| 10/28/2026 | 15.1 | 8.05 | 0.54 | 0.70 | 0.09 | 0.43 | Neg | Neg |
| 10/29/2026 | 14.9 | 8.02 | 0.61 | 0.71 | 0.09 | 0.56 | Neg | Neg |
| 10/30/2026 | 14.8 | 8.01 | 0.63 | 0.76 | 0.09 | 0.57 | Neg | Neg |
| 10/31/2026 | 14.8 | 7.99 | 0.62 | 0.79 | 0.09 | 0.69 | Neg | Neg |
| Avg | 8.9 | 8.00 | 0.75 | 1.45 | 0.09 | 0.57 | | |
| Min | 7.0 | 7.92 | 0.31 | 0.52 | 0.09 | 0.28 | | |
| Max | 15.1 | 8.05 | 1.53 | 10.01 | 0.10 | 0.86 | | |
| | | Raw Water $F^-$ contribution to Finished Water $F^-$, as a %: | | | 13.2 | | | |

| Finished Water Analysis | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 |
| Date | AIT-4040-1 | AIT-4050-2 | AIT-4040-5 | Lab | | AIT-4050-1 | Lab | Lab | | Lab | Lab | Lab | Lab | Lab | Calculated | | | Lab | |
| 10/1/2026 | 18.3 | 7.57 | 3.36 | 0.69 | | 1.33 | 96.20 | 0 | 75 | 12 | 10 | 71 | 9.2 | 217 | -0.70 | 1.20 | 0.45 | Neg | Neg |
| 10/2/2026 | 18.0 | 7.58 | 3.37 | 0.67 | | 1.33 | 96.00 | 0 | 74 | 11 | 10 | 74 | 9.0 | 219 | -0.69 | 1.06 | 0.42 | Neg | Neg |
| 10/3/2026 | 17.9 | 7.58 | 3.37 | 0.72 | | 1.33 | 100.00 | 0 | 75 | 12 | 11 | 75 | 9.3 | 221 | -0.67 | 1.05 | 0.46 | Neg | Neg |
| 10/4/2026 | 17.9 | 7.57 | 3.37 | 0.70 | | 1.33 | 102.00 | 0 | 78 | 13 | 10 | 78 | 9.1 | 222 | -0.65 | 1.29 | 0.45 | Neg | Neg |
| 10/5/2026 | 17.9 | 7.58 | 3.36 | 0.71 | 0.71 | 1.30 | 106.00 | 0 | 78 | 13 | 10 | 80 | 9.1 | 229 | -0.63 | 1.27 | 0.45 | Neg | Neg |
| 10/6/2026 | 17.7 | 7.59 | 3.35 | 0.70 | | 1.29 | 102.00 | 0 | 79 | 13 | 10 | 76 | 9.1 | 225 | -0.64 | 1.29 | 0.45 | Neg | Neg |
| 10/7/2026 | 17.6 | 7.59 | 3.35 | 0.69 | | 1.32 | 96.20 | 0 | 74 | 12 | 11 | 73 | 9.1 | 222 | -0.69 | 1.09 | 0.47 | Neg | Neg |
| 10/8/2026 | 17.5 | 7.58 | 3.36 | 0.70 | | 1.31 | 99.00 | 0 | 75 | 12 | 10 | 73 | 9.2 | 221 | -0.70 | 1.16 | 0.44 | Neg | Neg |
| 10/9/2026 | 17.2 | 7.56 | 3.37 | 0.70 | | 1.31 | 97.60 | 0 | 75 | 12 | 10 | 73 | 9.3 | 224 | -0.72 | 1.19 | 0.45 | Neg | Neg |
| 10/10/2026 | 17.1 | 7.57 | 3.36 | 0.70 | | 1.28 | 100.00 | 0 | 79 | 12 | 9 | 76 | 9.4 | 220 | -0.67 | 1.30 | 0.40 | Neg | Neg |
| 10/11/2026 | 17.0 | 7.57 | 3.36 | 0.70 | | 1.32 | 100.00 | 0 | 79 | 12 | 9 | 76 | 9.4 | 220 | -0.68 | 1.32 | 0.41 | Neg | Neg |
| 10/12/2026 | 16.9 | 7.57 | 3.35 | 0.70 | | 1.30 | 104.00 | 0 | 78 | 12 | 10 | 80 | 9.3 | 221 | -0.66 | 1.16 | 0.42 | Neg | Neg |
| 10/13/2026 | 17.0 | 7.58 | 3.35 | 0.71 | | 1.28 | 110.00 | 0 | 77 | 12 | 10 | 75 | 9.2 | 220 | -0.69 | 1.19 | 0.43 | Neg | Neg |
| 10/14/2026 | 16.8 | 7.58 | 3.32 | 0.70 | | 1.29 | 104.00 | 0 | 79 | 11 | 10 | 75 | 9.1 | 220 | -0.67 | 1.14 | 0.41 | Neg | Neg |
| 10/15/2026 | 16.7 | 7.59 | 3.32 | 0.68 | 0.69 | 1.30 | 102.40 | 0 | 78 | 11 | 10 | 71 | 9.4 | 219 | -0.70 | 1.11 | 0.41 | Neg | Neg |
| 10/16/2026 | 16.7 | 7.59 | 3.32 | 0.70 | | 1.30 | 99.20 | 0 | 75 | 11 | 9 | 71 | 9.3 | 219 | -0.71 | 1.22 | 0.41 | Neg | Neg |
| 10/17/2026 | 16.6 | 7.62 | 3.32 | 0.71 | | 1.26 | 100.20 | 0 | 75 | 12 | 11 | 70 | 9.4 | 219 | -0.70 | 1.05 | 0.46 | Neg | Neg |
| 10/18/2026 | 16.4 | 7.61 | 3.31 | 0.72 | | 1.27 | 99.20 | 0 | 76 | 11 | 10 | 71 | 9.3 | 219 | -0.70 | 1.12 | 0.42 | Neg | Neg |
| 10/19/2026 | 16.3 | 7.60 | 3.34 | 0.72 | 0.72 | 1.26 | 105.20 | 0 | 76 | 12 | 11 | 72 | 9.3 | 230 | -0.70 | 1.05 | 0.45 | Neg | Neg |
| 10/20/2026 | 16.1 | 7.60 | 3.32 | 0.70 | | 1.30 | 101.60 | 0 | 76 | 11 | 10 | 74 | 9.5 | 227 | -0.70 | 1.08 | 0.41 | Neg | Neg |
| 10/21/2026 | 15.7 | 7.60 | 3.31 | 0.72 | | 1.28 | 100.60 | 0 | 75 | 10 | 10 | 72 | 9.6 | 226 | -0.72 | 1.04 | 0.41 | Neg | Neg |
| 10/22/2026 | 15.5 | 7.62 | 3.30 | 0.63 | | 1.27 | 104.00 | 0 | 80 | 12 | 10 | 78 | 9.9 | 228 | -0.64 | 1.18 | 0.42 | Neg | Neg |
| 10/23/2026 | 15.4 | 7.62 | 3.30 | 0.70 | | 1.31 | 104.00 | 0 | 80 | 11 | 11 | 76 | 9.7 | 228 | -0.67 | 1.04 | 0.42 | Neg | Neg |
| 10/24/2026 | 15.3 | 7.61 | 3.30 | 0.71 | | 1.32 | 102.00 | 0 | 79 | 12 | 10 | 76 | 9.7 | 226 | -0.68 | 1.15 | 0.41 | Neg | Neg |
| 10/25/2026 | 15.2 | 7.61 | 3.31 | 0.70 | | 1.31 | 102.00 | 0 | 76 | 10 | 10 | 72 | 9.6 | 225 | -0.72 | 1.00 | 0.40 | Neg | Neg |
| 10/26/2026 | 15.3 | 7.61 | 3.31 | 0.70 | 0.71 | 1.30 | 101.01 | 0 | 76 | 11 | 10 | 72 | 9.7 | 224 | -0.71 | 1.05 | 0.41 | Neg | Neg |
| 10/27/2026 | 15.3 | 7.62 | 3.32 | 0.70 | | 1.29 | 96.80 | 0 | 77 | 11 | 10 | 73 | 9.7 | 224 | -0.69 | 1.14 | 0.42 | Neg | Neg |
| 10/28/2026 | 15.3 | 7.62 | 3.31 | 0.69 | | 1.29 | 99.20 | 0 | 76 | 11 | 11 | 75 | 9.6 | 226 | -0.69 | 0.97 | 0.43 | Neg | Neg |
| 10/29/2026 | 15.2 | 7.62 | 3.30 | 0.70 | | 1.31 | 104.00 | 0 | 79 | 12 | 10 | 76 | 10.3 | 229 | -0.67 | 1.18 | 0.42 | Neg | Neg |
| 10/30/2026 | 15.0 | 7.62 | 3.30 | 0.69 | | 1.31 | 106.00 | 0 | 81 | 12 | 10 | 76 | 9.6 | 231 | -0.66 | 1.24 | 0.42 | Neg | Neg |
| 10/31/2026 | 14.9 | 7.61 | 3.31 | 0.69 | | 1.30 | 104.00 | 0 | 79 | 12 | 10 | 76 | 9.7 | 231 | -0.69 | 1.18 | 0.42 | Neg | Neg |
| Avg | 16.5 | 7.59 | 3.33 | 0.70 | 0.71 | 1.30 | 101.43 | 0 | 77 | 12 | 10 | 74 | 9.4 | 224 | -0.68 | 1.15 | 0.43 | | |
| Min | 14.9 | 7.56 | 3.30 | 0.63 | 0.69 | 1.26 | 96.00 | 0 | 74 | 10 | 9 | 70 | 9.0 | 217 | -0.72 | 0.97 | 0.40 | | |
| Max | 18.3 | 7.62 | 3.37 | 0.72 | 0.72 | 1.33 | 110.00 | 0 | 81 | 13 | 11 | 80 | 10.3 | 231 | -0.63 | 1.32 | 0.47 | | |

| Plant Tap Disinfection Byproduct Monitoring - Results in µg/L | | | |
|---|---|---|---|
| | Total Trihalomethanes - TTHM | | |
| Date: | 8/5/2026 | 9/15/2026 | 10/6/2026 |
| Result: | 45 | 48 | 35 |

| Turbidity | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Raw Water | | Clarified Water | Membrane Feed Water | Combined Membrane Filtrate | | | | | Finished Water |
| | Avg | Max | Avg | Avg | Avg | Max | # Samples | # > 0.3 | % Exceeded | Avg |
| | NTU | | | | | | | | | |
| Date | AIT-1000-1 | | AIT-5030-1 | AIT-1035-3 | AIT-4000-1 | | | | | Calculated |
| 10/1/2026 | 0.95 | 1.28 | 9.54 | 0.74 | 0.031 | 0.034 | 96 | 0 | 0.0 | 0.028 |
| 10/2/2026 | 1.03 | 1.23 | 13.48 | 0.78 | 0.030 | 0.031 | 96 | 0 | 0.0 | 0.028 |
| 10/3/2026 | 1.27 | 1.71 | 19.67 | 0.79 | 0.030 | 0.031 | 96 | 0 | 0.0 | 0.028 |
| 10/4/2026 | 1.41 | 2.16 | 25.04 | 0.98 | 0.030 | 0.031 | 96 | 0 | 0.0 | 0.028 |
| 10/5/2026 | 1.53 | 2.26 | 27.84 | 1.10 | 0.031 | 0.031 | 96 | 0 | 0.0 | 0.028 |
| 10/6/2026 | 1.20 | 10.01 | 19.97 | 1.09 | 0.031 | 0.032 | 96 | 0 | 0.0 | 0.029 |
| 10/7/2026 | 0.67 | 1.38 | 48.22 | 0.85 | 0.030 | 0.031 | 96 | 0 | 0.0 | 0.028 |
| 10/8/2026 | 0.75 | 0.97 | 52.12 | 0.68 | 0.029 | 0.031 | 96 | 0 | 0.0 | 0.028 |
| 10/9/2026 | 1.07 | 1.48 | 40.48 | 0.64 | 0.029 | 0.031 | 96 | 0 | 0.0 | 0.028 |
| 10/10/2026 | 0.87 | 1.41 | 24.17 | 0.65 | 0.029 | 0.030 | 96 | 0 | 0.0 | 0.028 |
| 10/11/2026 | 0.86 | 1.24 | 2.06 | 0.61 | 0.029 | 0.030 | 96 | 0 | 0.0 | 0.028 |
| 10/12/2026 | 0.67 | 2.32 | 4.19 | 0.55 | 0.029 | 0.031 | 96 | 0 | 0.0 | 0.028 |
| 10/13/2026 | 0.51 | 0.76 | 10.97 | 0.50 | 0.029 | 0.031 | 96 | 0 | 0.0 | 0.027 |
| 10/14/2026 | 0.31 | 0.68 | 8.14 | 0.42 | 0.029 | 0.031 | 96 | 0 | 0.0 | 0.027 |
| 10/15/2026 | 0.38 | 0.73 | 8.62 | 0.39 | 0.029 | 0.031 | 96 | 0 | 0.0 | 0.027 |
| 10/16/2026 | 0.32 | 0.56 | 7.45 | 0.33 | 0.029 | 0.030 | 96 | 0 | 0.0 | 0.027 |
| 10/17/2026 | 0.61 | 0.88 | 5.61 | 0.39 | 0.029 | 0.030 | 96 | 0 | 0.0 | 0.027 |
| 10/18/2026 | 1.16 | 2.28 | 8.09 | 0.61 | 0.029 | 0.030 | 96 | 0 | 0.0 | 0.027 |
| 10/19/2026 | 0.88 | 1.58 | 31.10 | 0.96 | 0.030 | 0.030 | 96 | 0 | 0.0 | 0.027 |
| 10/20/2026 | 0.63 | 1.06 | 62.86 | 0.82 | 0.030 | 0.031 | 96 | 0 | 0.0 | 0.027 |
| 10/21/2026 | 0.52 | 0.96 | 26.67 | 0.61 | 0.030 | 0.030 | 96 | 0 | 0.0 | 0.027 |
| 10/22/2026 | 0.63 | 1.22 | 22.30 | 0.58 | 0.030 | 0.031 | 96 | 0 | 0.0 | 0.027 |
| 10/23/2026 | 0.49 | 0.59 | 25.07 | 0.53 | 0.030 | 0.040 | 96 | 0 | 0.0 | 0.027 |
| 10/24/2026 | 0.63 | 0.98 | 19.57 | 0.52 | 0.029 | 0.030 | 96 | 0 | 0.0 | 0.027 |
| 10/25/2026 | 0.55 | 0.70 | 19.93 | 0.56 | 0.029 | 0.030 | 96 | 0 | 0.0 | 0.027 |
| 10/26/2026 | 0.44 | 0.52 | 19.35 | 0.49 | 0.029 | 0.030 | 96 | 0 | 0.0 | 0.027 |
| 10/27/2026 | 0.44 | 0.90 | 22.56 | 0.46 | 0.029 | 0.030 | 96 | 0 | 0.0 | 0.027 |
| 10/28/2026 | 0.54 | 0.70 | 18.62 | 0.46 | 0.029 | 0.030 | 96 | 0 | 0.0 | 0.027 |
| 10/29/2026 | 0.61 | 0.71 | 27.81 | 0.55 | 0.029 | 0.030 | 96 | 0 | 0.0 | 0.027 |
| 10/30/2026 | 0.63 | 0.76 | 23.56 | 0.57 | 0.029 | 0.030 | 96 | 0 | 0.0 | 0.027 |
| 10/31/2026 | 0.62 | 0.79 | 22.72 | 0.57 | 0.029 | 0.031 | 96 | 0 | 0.0 | 0.027 |
| Avg | 0.75 | 1.45 | 21.86 | 0.64 | 0.029 | 0.031 | 96 | 0 | 0.0 | 0.027 |
| Min | 0.31 | 0.52 | 2.06 | 0.33 | 0.029 | 0.030 | 96 | 0 | 0.0 | 0.027 |
| Max | 1.53 | 10.01 | 62.86 | 1.10 | 0.031 | 0.040 | 96 | 0 | 0.0 | 0.029 |

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

| Membrane LRV/Integrity/Max Turbidity | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Membrane 1 | | | Membrane 2 | | | Membrane 3 | | | Membrane 4 | | | Membrane 5 | | | Membrane 6 | | | Membrane 7 | | | Membrane 8 | | |
| | LRV | Integrity | Turbidlty | LRV | Integrity | Turbidity | LRV | Integrity | Turbidity | LRV | Integrity | Turbidity | LRV | Integrity | Turbidity | LRV | Integrity | Turbidity | LRV | Integrity | Turbidity | LRV | Integrity | Turbidity |
| | Minimum | AHT | Max | Minimum | AHT | Max | Minimum | AHT | Max | Minimum | AHT | Max | Minimum | AHT | Max | Minimum | AHT | Max | Minimum | AHT | Max | Minimum | AHT | Max |
| Date | Daily Value | PSI/Min | NTU | Daily Value | PSI/Min | NTU | Daily Value | PSI/Min | NTU | Daily Value | PSI/Min | NTU | Daily Value | PSI/Min | NTU | Daily Value | PSI/Min | NTU | Daily Value | PSI/Min | NTU | Daily Value | PSI/Min | NTU |
| 10/1/2026 | 5.33 | 0.054 | 0.028 | 5.18 | 0.078 | 0.031 | 5.02 | 0.076 | 0.028 | 5.53 | 0.038 | 0.030 | 5.20 | 0.040 | 0.027 | 5.29 | 0.063 | 0.030 | 5.43 | 0.033 | 0.028 | 5.11 | 0.052 | 0.029 |
| 10/2/2026 | 5.28 | 0.063 | 0.028 | 5.20 | 0.076 | 0.031 | 5.01 | 0.081 | 0.028 | 5.54 | 0.040 | 0.031 | 5.27 | 0.042 | 0.027 | 4.92 | 0.145 | 0.029 | 5.60 | 0.036 | 0.029 | 5.15 | 0.051 | 0.028 |
| 10/3/2026 | 5.28 | 0.061 | 0.028 | 5.14 | 0.085 | 0.031 | 5.05 | 0.069 | 0.028 | 5.45 | 0.047 | 0.031 | 5.23 | 0.049 | 0.027 | 4.95 | 0.107 | 0.029 | 5.59 | 0.038 | 0.029 | 5.18 | 0.043 | 0.029 |
| 10/4/2026 | 5.30 | 0.058 | 0.029 | 5.12 | 0.087 | 0.031 | 5.04 | 0.076 | 0.028 | 5.46 | 0.045 | 0.031 | 5.23 | 0.045 | 0.027 | 5.05 | 0.065 | 0.029 | 5.43 | 0.052 | 0.028 | 5.09 | 0.058 | 0.029 |
| 10/5/2026 | 5.26 | 0.061 | 0.029 | 5.12 | 0.087 | 0.032 | 5.03 | 0.074 | 0.030 | 5.47 | 0.043 | 0.032 | 5.12 | 0.060 | 0.028 | 5.25 | 0.065 | 0.030 | 5.42 | 0.045 | 0.029 | 5.08 | 0.056 | 0.030 |
| 10/6/2026 | 5.24 | 0.063 | 0.029 | 5.11 | 0.078 | 0.032 | 5.02 | 0.076 | 0.029 | 5.42 | 0.042 | 0.032 | 5.11 | 0.052 | 0.028 | 5.22 | 0.065 | 0.030 | 5.48 | 0.036 | 0.029 | 5.14 | 0.047 | 0.030 |
| 10/7/2026 | 5.24 | 0.056 | 0.029 | 5.04 | 0.090 | 0.031 | 4.90 | 0.078 | 0.029 | 5.38 | 0.042 | 0.032 | 5.11 | 0.051 | 0.028 | 5.21 | 0.049 | 0.030 | 5.41 | 0.042 | 0.029 | 5.01 | 0.058 | 0.030 |
| 10/8/2026 | 5.26 | 0.056 | 0.028 | 5.07 | 0.083 | 0.031 | 4.88 | 0.085 | 0.028 | 5.38 | 0.047 | 0.031 | 5.11 | 0.047 | 0.027 | 5.13 | 0.076 | 0.029 | 5.43 | 0.042 | 0.028 | 5.00 | 0.045 | 0.028 |
| 10/9/2026 | 5.25 | 0.063 | 0.028 | 5.11 | 0.083 | 0.030 | 4.87 | 0.083 | 0.028 | 5.41 | 0.045 | 0.030 | 5.15 | 0.045 | 0.027 | 5.11 | 0.081 | 0.028 | 5.42 | 0.042 | 0.028 | 5.11 | 0.045 | 0.028 |
| 10/10/2026 | 5.27 | 0.061 | 0.028 | 5.14 | 0.087 | 0.031 | 5.01 | 0.080 | 0.028 | 5.46 | 0.040 | 0.031 | 5.22 | 0.047 | 0.027 | 4.99 | 0.125 | 0.029 | 5.51 | 0.040 | 0.028 | 5.20 | 0.047 | 0.029 |
| 10/11/2026 | 5.30 | 0.063 | 0.028 | 5.13 | 0.094 | 0.030 | 5.07 | 0.076 | 0.028 | 5.52 | 0.043 | 0.030 | 5.27 | 0.045 | 0.027 | 4.91 | 0.163 | 0.028 | 5.55 | 0.042 | 0.028 | 5.24 | 0.049 | 0.028 |
| 10/12/2026 | 5.27 | 0.067 | 0.029 | 5.13 | 0.083 | 0.031 | 5.10 | 0.074 | 0.030 | 5.48 | 0.047 | 0.030 | 5.22 | 0.052 | 0.027 | 4.92 | 0.056 | 0.032 | 5.53 | 0.043 | 0.030 | 5.35 | 0.047 | 0.031 |
| 10/13/2026 | 5.27 | 0.063 | 0.029 | 5.18 | 0.080 | 0.031 | 5.06 | 0.079 | 0.030 | 5.47 | 0.047 | 0.030 | 5.21 | 0.056 | 0.026 | 4.94 | 0.148 | 0.030 | 5.53 | 0.042 | 0.030 | 5.35 | 0.045 | 0.031 |
| 10/14/2026 | 5.30 | 0.060 | 0.029 | 5.19 | 0.081 | 0.031 | 5.06 | 0.081 | 0.030 | 5.48 | 0.045 | 0.030 | 5.20 | 0.054 | 0.026 | 4.94 | 0.152 | 0.030 | 5.52 | 0.045 | 0.030 | 5.33 | 0.049 | 0.027 |
| 10/15/2026 | 5.29 | 0.067 | 0.029 | 5.19 | 0.083 | 0.030 | 5.20 | 0.078 | 0.030 | 5.51 | 0.042 | 0.031 | 5.23 | 0.051 | 0.026 | 4.95 | 0.144 | 0.030 | 5.53 | 0.043 | 0.030 | 5.34 | 0.049 | 0.027 |
| 10/16/2026 | 5.30 | 0.056 | 0.029 | 5.21 | 0.081 | 0.030 | 5.19 | 0.081 | 0.030 | 5.53 | 0.043 | 0.030 | 5.28 | 0.047 | 0.026 | 4.99 | 0.132 | 0.030 | 5.58 | 0.040 | 0.029 | 5.34 | 0.049 | 0.027 |
| 10/17/2026 | 5.33 | 0.063 | 0.029 | 5.24 | 0.078 | 0.031 | 5.18 | 0.079 | 0.030 | 5.54 | 0.045 | 0.030 | 5.32 | 0.047 | 0.026 | 5.05 | 0.089 | 0.030 | 5.61 | 0.040 | 0.030 | 5.32 | 0.051 | 0.027 |
| 10/18/2026 | 5.33 | 0.061 | 0.029 | 5.21 | 0.081 | 0.031 | 5.17 | 0.078 | 0.031 | 5.50 | 0.047 | 0.030 | 5.21 | 0.060 | 0.027 | 5.16 | 0.098 | 0.030 | 5.48 | 0.052 | 0.030 | 5.29 | 0.052 | 0.027 |
| 10/19/2026 | 5.36 | 0.060 | 0.030 | 5.13 | 0.087 | 0.032 | 5.07 | 0.081 | 0.031 | 5.49 | 0.042 | 0.031 | 5.21 | 0.049 | 0.027 | 5.13 | 0.090 | 0.031 | 5.48 | 0.036 | 0.031 | 5.27 | 0.047 | 0.028 |
| 10/20/2026 | 5.33 | 0.061 | 0.029 | 5.13 | 0.080 | 0.031 | 5.07 | 0.076 | 0.031 | 5.49 | 0.040 | 0.033 | 5.17 | 0.054 | 0.027 | 5.11 | 0.056 | 0.031 | 5.50 | 0.049 | 0.031 | 5.24 | 0.047 | 0.028 |
| 10/21/2026 | 5.35 | 0.061 | 0.029 | 5.17 | 0.083 | 0.031 | 5.09 | 0.083 | 0.030 | 5.48 | 0.045 | 0.031 | 5.19 | 0.049 | 0.027 | 5.27 | 0.069 | 0.031 | 5.51 | 0.040 | 0.030 | 5.24 | 0.054 | 0.028 |
| 10/22/2026 | 5.33 | 0.061 | 0.030 | 4.96 | 0.134 | 0.032 | 5.03 | 0.089 | 0.031 | 5.48 | 0.043 | 0.031 | 5.13 | 0.061 | 0.027 | 5.01 | 0.125 | 0.030 | 5.52 | 0.047 | 0.030 | 5.25 | 0.051 | 0.028 |
| 10/23/2026 | 5.30 | 0.065 | 0.029 | 4.95 | 0.079 | 0.032 | 5.04 | 0.078 | 0.031 | 5.50 | 0.040 | 0.031 | 5.14 | 0.060 | 0.027 | 5.13 | 0.054 | 0.033 | 5.48 | 0.051 | 0.031 | 5.18 | 0.060 | 0.028 |
| 10/24/2026 | 5.27 | 0.069 | 0.029 | 5.02 | 0.121 | 0.033 | 5.10 | 0.078 | 0.030 | 5.45 | 0.049 | 0.031 | 5.13 | 0.063 | 0.027 | 5.07 | 0.116 | 0.032 | 5.48 | 0.047 | 0.030 | 5.14 | 0.063 | 0.028 |
| 10/25/2026 | 5.27 | 0.061 | 0.029 | 5.03 | 0.078 | 0.031 | 5.07 | 0.085 | 0.030 | 5.47 | 0.042 | 0.031 | 5.13 | 0.047 | 0.027 | 5.09 | 0.056 | 0.031 | 5.52 | 0.042 | 0.030 | 5.15 | 0.051 | 0.028 |
| 10/26/2026 | 5.32 | 0.061 | 0.029 | 5.15 | 0.087 | 0.031 | 5.07 | 0.083 | 0.030 | 5.54 | 0.042 | 0.030 | 5.24 | 0.051 | 0.026 | 5.13 | 0.099 | 0.030 | 5.57 | 0.040 | 0.030 | 5.27 | 0.049 | 0.028 |
| 10/27/2026 | 5.32 | 0.058 | 0.029 | 5.17 | 0.078 | 0.031 | 5.07 | 0.083 | 0.030 | 5.53 | 0.042 | 0.031 | 5.22 | 0.047 | 0.026 | 5.08 | 0.112 | 0.031 | 5.55 | 0.040 | 0.030 | 5.19 | 0.058 | 0.028 |
| 10/28/2026 | 5.36 | 0.056 | 0.029 | 5.17 | 0.081 | 0.031 | 5.07 | 0.081 | 0.030 | 5.45 | 0.049 | 0.031 | 5.37 | 0.049 | 0.027 | 5.11 | 0.107 | 0.031 | 5.58 | 0.042 | 0.030 | 5.19 | 0.060 | 0.028 |
| 10/29/2026 | 5.31 | 0.061 | 0.030 | 5.17 | 0.074 | 0.031 | 5.08 | 0.074 | 0.031 | 5.41 | 0.049 | 0.031 | 5.34 | 0.049 | 0.027 | 5.11 | 0.060 | 0.030 | 5.56 | 0.042 | 0.030 | 5.16 | 0.054 | 0.028 |
| 10/30/2026 | 5.30 | 0.063 | 0.030 | 5.10 | 0.090 | 0.031 | 5.03 | 0.085 | 0.031 | 5.43 | 0.042 | 0.031 | 5.23 | 0.056 | 0.027 | 5.12 | 0.090 | 0.030 | 5.53 | 0.045 | 0.030 | 5.09 | 0.063 | 0.028 |
| 10/31/2026 | 5.28 | 0.067 | 0.029 | 5.11 | 0.088 | 0.032 | 5.03 | 0.072 | 0.031 | 5.38 | 0.054 | 0.031 | 5.23 | 0.051 | 0.027 | 5.36 | 0.056 | 0.031 | 5.48 | 0.049 | 0.030 | 5.07 | 0.060 | 0.028 |
| Avg | 5.30 | 0.061 | 0.029 | 5.13 | 0.086 | 0.031 | 5.05 | 0.079 | 0.030 | 5.47 | 0.044 | 0.031 | 5.21 | 0.051 | 0.027 | 5.09 | 0.094 | 0.030 | 5.51 | 0.043 | 0.030 | 5.20 | 0.052 | 0.028 |
| Min | 5.24 | 0.054 | 0.028 | 4.95 | 0.074 | 0.030 | 4.87 | 0.069 | 0.028 | 5.38 | 0.038 | 0.030 | 5.11 | 0.040 | 0.026 | 4.91 | 0.049 | 0.028 | 5.41 | 0.033 | 0.028 | 5.00 | 0.043 | 0.027 |
| Max | 5.36 | 0.069 | 0.030 | 5.24 | 0.134 | 0.033 | 5.20 | 0.089 | 0.031 | 5.54 | 0.054 | 0.033 | 5.37 | 0.063 | 0.028 | 5.36 | 0.163 | 0.033 | 5.61 | 0.052 | 0.031 | 5.35 | 0.063 | 0.031 |

Comments: The manufacture has calculated the Upper Control Limit (UCL) for the Bay Area Water Treatment Plant at 3.32 PSI/Min.
Staff has established the following operational evaluation limits to ensure compliance with the UCL.
A filtration skid will be taken out of service for any of the following reasons:

| | |
|---|---|
| Air Hold Test Result above 0.84 PSI/Min | Effluent turbidity greater than 0.15 NTU |
| LRV value of 3.3 or lower | Cannot sustain a flow above 1,000 GPM |

Trains share common process resources like piping, valves, and regulators to preform Air Hold Test

| Max Air Hold Test Results | | | | | |
|---|---|---|---|---|---|
| Train 1 | | Rank | | Train 2 | |
| Skid 1 | 0.069 | 4 | 2 | 0.134 | Skid 2 |
| Skid 3 | 0.089 | 3 | 7 | 0.054 | Skid 4 |
| Skid 5 | 0.063 | 6 | 1 | 0.163 | Skid 6 |
| Skid 7 | 0.052 | 8 | 5 | 0.063 | Skid 8 |

| 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 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Treated Water | Sodium Hypochlorite | | | | | Phosphoric Acid | | Hydroflourosilicic Acid | | |
| | | Raw Water | Membrane Feed Water | Dose pre-FW Tanks | Treated Water | Post FW Tanks | Dose pre-FW Tanks | Post FW Tanks | Raw Water | Dose pre-FW Tanks | Post FW Tanks |
| | Volume | Free $Cl_2$ | | | | | PO4 | | $F^-$ | | |
| | MG | mg/L | | | | | mg/L | | mg/L | | |
| Date | 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 |
| 10/1/2026 | 6.9 | 0.45 | 0.24 | 1.13 | 1.38 | 1.33 | 3.15 | 3.36 | 0.09 | 0.55 | 0.69 |
| 10/2/2026 | 7.1 | 0.35 | 0.19 | 1.21 | 1.37 | 1.33 | 3.15 | 3.37 | 0.09 | 0.55 | 0.67 |
| 10/3/2026 | 6.8 | 0.52 | 0.20 | 1.15 | 1.40 | 1.33 | 3.15 | 3.37 | 0.10 | 0.55 | 0.72 |
| 10/4/2026 | 7.1 | 0.44 | 0.22 | 1.15 | 1.38 | 1.33 | 3.15 | 3.37 | 0.09 | 0.55 | 0.70 |
| 10/5/2026 | 7.4 | 0.28 | 0.16 | 1.22 | 1.34 | 1.30 | 3.15 | 3.36 | 0.10 | 0.54 | 0.71 |
| 10/6/2026 | 7.6 | 0.34 | 0.13 | 1.21 | 1.39 | 1.29 | 3.15 | 3.35 | 0.09 | 0.54 | 0.70 |
| 10/7/2026 | 7.1 | 0.69 | 0.21 | 1.14 | 1.46 | 1.32 | 3.15 | 3.35 | 0.09 | 0.54 | 0.69 |
| 10/8/2026 | 7.4 | 0.71 | 0.31 | 1.08 | 1.42 | 1.31 | 3.15 | 3.36 | 0.10 | 0.54 | 0.70 |
| 10/9/2026 | 7.2 | 0.48 | 0.32 | 1.06 | 1.42 | 1.31 | 3.15 | 3.37 | 0.10 | 0.54 | 0.70 |
| 10/10/2026 | 7.0 | 0.82 | 0.32 | 1.02 | 1.41 | 1.28 | 3.15 | 3.36 | 0.09 | 0.54 | 0.70 |
| 10/11/2026 | 7.4 | 0.86 | 0.45 | 0.91 | 1.43 | 1.32 | 3.15 | 3.36 | 0.09 | 0.54 | 0.70 |
| 10/12/2026 | 7.1 | 0.74 | 0.47 | 0.93 | 1.41 | 1.30 | 3.15 | 3.35 | 0.09 | 0.54 | 0.70 |
| 10/13/2026 | 6.7 | 0.59 | 0.45 | 0.98 | 1.40 | 1.28 | 3.14 | 3.35 | 0.09 | 0.54 | 0.71 |
| 10/14/2026 | 6.5 | 0.62 | 0.45 | 0.99 | 1.43 | 1.29 | 3.12 | 3.32 | 0.09 | 0.54 | 0.70 |
| 10/15/2026 | 6.3 | 0.49 | 0.40 | 1.04 | 1.42 | 1.30 | 3.12 | 3.32 | 0.09 | 0.55 | 0.68 |
| 10/16/2026 | 7.1 | 0.58 | 0.40 | 1.00 | 1.43 | 1.30 | 3.12 | 3.32 | 0.09 | 0.56 | 0.70 |
| 10/17/2026 | 6.5 | 0.58 | 0.39 | 1.00 | 1.40 | 1.26 | 3.12 | 3.32 | 0.09 | 0.56 | 0.71 |
| 10/18/2026 | 6.8 | 0.48 | 0.40 | 1.05 | 1.41 | 1.27 | 3.12 | 3.31 | 0.10 | 0.56 | 0.72 |
| 10/19/2026 | 7.1 | 0.50 | 0.29 | 1.10 | 1.41 | 1.26 | 3.12 | 3.34 | 0.09 | 0.56 | 0.72 |
| 10/20/2026 | 7.0 | 0.57 | 0.34 | 1.05 | 1.44 | 1.30 | 3.12 | 3.32 | 0.09 | 0.56 | 0.70 |
| 10/21/2026 | 6.7 | 0.59 | 0.36 | 1.05 | 1.41 | 1.28 | 3.12 | 3.31 | 0.10 | 0.48 | 0.72 |
| 10/22/2026 | 6.9 | 0.50 | 0.32 | 1.12 | 1.41 | 1.27 | 3.12 | 3.30 | 0.09 | 0.52 | 0.63 |
| 10/23/2026 | 6.8 | 0.61 | 0.33 | 1.10 | 1.46 | 1.31 | 3.12 | 3.30 | 0.09 | 0.54 | 0.70 |
| 10/24/2026 | 6.8 | 0.62 | 0.37 | 1.05 | 1.46 | 1.32 | 3.12 | 3.30 | 0.09 | 0.54 | 0.71 |
| 10/25/2026 | 6.6 | 0.67 | 0.39 | 1.02 | 1.43 | 1.31 | 3.12 | 3.31 | 0.09 | 0.54 | 0.70 |
| 10/26/2026 | 7.0 | 0.64 | 0.44 | 0.98 | 1.42 | 1.30 | 3.12 | 3.31 | 0.09 | 0.54 | 0.70 |
| 10/27/2026 | 6.3 | 0.58 | 0.43 | 0.98 | 1.38 | 1.29 | 3.12 | 3.32 | 0.09 | 0.54 | 0.70 |
| 10/28/2026 | 7.3 | 0.43 | 0.36 | 1.03 | 1.36 | 1.29 | 3.12 | 3.31 | 0.09 | 0.54 | 0.69 |
| 10/29/2026 | 6.7 | 0.56 | 0.35 | 1.09 | 1.41 | 1.31 | 3.12 | 3.30 | 0.09 | 0.54 | 0.70 |
| 10/30/2026 | 6.9 | 0.57 | 0.35 | 1.05 | 1.39 | 1.31 | 3.12 | 3.30 | 0.09 | 0.54 | 0.69 |
| 10/31/2026 | 6.6 | 0.69 | 0.37 | 1.08 | 1.41 | 1.30 | 3.12 | 3.31 | 0.09 | 0.54 | 0.69 |
| Avg | 6.9 | 0.57 | 0.34 | 1.06 | 1.41 | 1.30 | 3.13 | 3.33 | 0.09 | 0.54 | 0.70 |
| Min | 6.3 | 0.28 | 0.13 | 0.91 | 1.34 | 1.26 | 3.12 | 3.30 | 0.09 | 0.48 | 0.63 |
| Max | 7.6 | 0.86 | 0.47 | 1.22 | 1.46 | 1.33 | 3.15 | 3.37 | 0.10 | 0.56 | 0.72 |

| Disinfection CT | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 |
| Date | Entry | Calculated | AIT-1035-2 | Calculated | LIT-4005-1 | LIT-4005-2 | Calculated | Calculated | Calculated | Calculated | Calculated | AIT-4040-1 | Calculated | Calculated |
| 10/1/2026 | 47.5 | 2,633 | 0.45 | 1182 | 28.2 | 23.2 | 6.3 | 557 | 1.15 | 319 | 1501 | 18.3 | 4.00 | Y |
| 10/2/2026 | 46.2 | 2,705 | 0.35 | 944 | 28.2 | 22.3 | 6.5 | 533 | 1.28 | 343 | 1287 | 18.0 | 4.00 | Y |
| 10/3/2026 | 59.4 | 2,105 | 0.52 | 1098 | 28.2 | 23.0 | 6.1 | 578 | 1.20 | 346 | 1445 | 17.9 | 4.00 | Y |
| 10/4/2026 | 60.3 | 2,074 | 0.44 | 916 | 28.2 | 22.4 | 6.6 | 525 | 1.26 | 331 | 1247 | 17.9 | 4.00 | Y |
| 10/5/2026 | 51.2 | 2,442 | 0.28 | 686 | 28.2 | 23.4 | 6.7 | 529 | 1.28 | 339 | 1025 | 17.9 | 4.00 | Y |
| 10/6/2026 | 47.7 | 2,624 | 0.34 | 880 | 28.3 | 23.2 | 6.9 | 510 | 1.25 | 320 | 1200 | 17.7 | 4.00 | Y |
| 10/7/2026 | 43.8 | 2,853 | 0.69 | 1969 | 28.2 | 21.7 | 6.7 | 514 | 1.23 | 317 | 2286 | 17.6 | 4.00 | Y |
| 10/8/2026 | 43.8 | 2,859 | 0.71 | 2028 | 28.3 | 20.0 | 6.7 | 496 | 1.29 | 320 | 2347 | 17.5 | 4.00 | Y |
| 10/9/2026 | 43.3 | 2,888 | 0.48 | 1394 | 28.2 | 21.8 | 6.6 | 517 | 1.28 | 331 | 1725 | 17.2 | 4.00 | Y |
| 10/10/2026 | 55.3 | 2,262 | 0.82 | 1853 | 28.2 | 21.3 | 6.3 | 536 | 1.25 | 335 | 2189 | 17.1 | 4.00 | Y |
| 10/11/2026 | 56.3 | 2,221 | 0.86 | 1918 | 28.2 | 23.4 | 6.8 | 520 | 1.30 | 338 | 2256 | 17.0 | 4.00 | Y |
| 10/12/2026 | 55.6 | 2,251 | 0.74 | 1675 | 28.2 | 24.3 | 6.3 | 571 | 1.17 | 334 | 2009 | 16.9 | 4.00 | Y |
| 10/13/2026 | 48.1 | 2,601 | 0.59 | 1530 | 28.2 | 24.4 | 6.3 | 571 | 1.25 | 357 | 1887 | 17.0 | 4.00 | Y |
| 10/14/2026 | 43.3 | 2,888 | 0.62 | 1784 | 28.2 | 23.6 | 5.8 | 611 | 1.22 | 374 | 2157 | 16.8 | 4.00 | Y |
| 10/15/2026 | 44.1 | 2,838 | 0.49 | 1396 | 28.2 | 24.9 | 5.7 | 636 | 1.26 | 402 | 1798 | 16.7 | 4.00 | Y |
| 10/16/2026 | 44.7 | 2,799 | 0.58 | 1614 | 28.3 | 24.8 | 6.5 | 563 | 1.28 | 360 | 1974 | 16.7 | 4.00 | Y |
| 10/17/2026 | 55.0 | 2,276 | 0.58 | 1311 | 28.2 | 21.2 | 5.9 | 576 | 1.25 | 361 | 1672 | 16.6 | 4.00 | Y |
| 10/18/2026 | 55.9 | 2,238 | 0.48 | 1083 | 28.2 | 23.4 | 6.2 | 567 | 1.20 | 340 | 1423 | 16.4 | 4.00 | Y |
| 10/19/2026 | 55.0 | 2,274 | 0.50 | 1130 | 28.4 | 21.4 | 6.5 | 526 | 1.13 | 297 | 1427 | 16.3 | 4.00 | Y |
| 10/20/2026 | 47.9 | 2,613 | 0.57 | 1496 | 28.2 | 21.2 | 6.3 | 533 | 1.28 | 341 | 1837 | 16.1 | 4.00 | Y |
| 10/21/2026 | 45.4 | 2,753 | 0.59 | 1611 | 28.3 | 22.7 | 6.1 | 573 | 1.26 | 360 | 1971 | 15.7 | 4.00 | Y |
| 10/22/2026 | 45.2 | 2,770 | 0.50 | 1384 | 28.4 | 21.4 | 6.4 | 536 | 1.26 | 337 | 1721 | 15.5 | 4.00 | Y |
| 10/23/2026 | 49.5 | 2,528 | 0.61 | 1549 | 17.5 | 23.9 | 6.2 | 455 | 1.29 | 293 | 1842 | 15.4 | 4.00 | Y |
| 10/24/2026 | 55.8 | 2,240 | 0.62 | 1391 | 28.2 | 23.8 | 6.1 | 585 | 1.24 | 363 | 1754 | 15.3 | 4.00 | Y |
| 10/25/2026 | 56.8 | 2,203 | 0.67 | 1467 | 28.2 | 22.2 | 6.0 | 581 | 1.29 | 375 | 1842 | 15.2 | 4.00 | Y |
| 10/26/2026 | 56.4 | 2,220 | 0.64 | 1422 | 28.2 | 22.6 | 6.4 | 547 | 1.27 | 346 | 1768 | 15.3 | 4.00 | Y |
| 10/27/2026 | 47.8 | 2,616 | 0.58 | 1509 | 28.2 | 24.1 | 5.7 | 629 | 1.25 | 395 | 1904 | 15.3 | 4.00 | Y |
| 10/28/2026 | 43.7 | 2,860 | 0.43 | 1222 | 28.3 | 24.1 | 6.7 | 539 | 1.26 | 339 | 1560 | 15.3 | 4.00 | Y |
| 10/29/2026 | 46.3 | 2,700 | 0.56 | 1509 | 28.2 | 24.8 | 6.2 | 590 | 1.28 | 378 | 1887 | 15.2 | 4.00 | Y |
| 10/30/2026 | 48.9 | 2,560 | 0.57 | 1448 | 28.2 | 24.4 | 6.2 | 580 | 1.29 | 374 | 1822 | 15.0 | 4.00 | Y |
| 10/31/2026 | 55.4 | 2,257 | 0.69 | 1548 | 28.1 | 21.6 | 5.9 | 578 | 1.26 | 363 | 1911 | 14.9 | 6.00 | Y |
| Avg | 50.2 | 2,521 | 0.57 | 1418 | 27.9 | 22.9 | 6.3 | 554 | 1.25 | 346 | 1764 | 16.5 | 4.06 | NA |
| Min | 43.3 | 2,074 | 0.28 | 686 | 17.5 | 20.0 | 5.7 | 455 | 1.13 | 293 | 1025 | 14.9 | 4.00 | NA |
| Max | 60.3 | 2,888 | 0.86 | 2028 | 28.4 | 24.9 | 6.9 | 636 | 1.30 | 402 | 2347 | 18.3 | 6.00 | 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 $Cl_2$)

| WSSN: | 0072 | 0390 | | | | 0400 | | | 0470 | | | | | | | 0485 | | | | | 0517 | 0518 | | 2180 | 2465 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Akron | Bangor Twp. | | | | Bangor Monitor Dist. | | | Bay City | | | | | | | Bay County | | | | | Beaver Rd | Beaver Twp | | Essexville | Fraser Twp. | |
| 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 | 34 | 35 |
| 10/1/2026 | | | | | | 0.94 | 0.48 | | 0.85 | | 0.40 | 0.68 | | 0.81 | | | | | | | | | | | | 0.90 |
| 10/2/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/3/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/4/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/5/2026 | | | | | | | | | | | | | | | | | | | | | | | | 1.12 | | |
| 10/6/2026 | 0.27 | 0.30 | 0.21 | 0.38 | 0.88 | | | | | | | | | | | 0.48 | 1.00 | 0.57 | 0.65 | 0.52 | | 0.21 | | | | |
| 10/7/2026 | | | | | | | | | 0.76 | 0.39 | 0.50 | 0.65 | 0.40 | 0.90 | | | | | | | | | | | | |
| 10/8/2026 | | | | | | | | 1.22 | | | | | | | | | | | | | 0.98 | | | | 0.50 | |
| 10/9/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/10/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/11/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/12/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/13/2026 | | | | 0.44 | 0.98 | | | | 0.64 | 0.37 | 0.49 | 0.69 | 0.40 | 0.97 | | 0.85 | 0.94 | 0.91 | 0.67 | 0.47 | | | 0.21 | 1.09 | | |
| 10/14/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/15/2026 | | | | | | | | | 0.65 | 0.33 | 0.42 | 0.71 | 0.34 | 0.95 | | | | | | | | | | | | |
| 10/16/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/17/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/18/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/19/2026 | | | | | | | | | | | | | | | | | | | | | | | | 1.06 | | |
| 10/20/2026 | | 0.40 | 0.32 | 0.47 | 0.91 | | | | | | | | | | | | | | | | | | | | | |
| 10/21/2026 | | | | | | | | | 0.69 | 0.25 | 0.44 | 0.76 | 0.37 | 1.04 | | | | | | | | | | | | |
| 10/22/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/23/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/24/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/25/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/26/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/27/2026 | | | | | | | | | 0.52 | 0.33 | 0.48 | 0.76 | 0.45 | 1.00 | | | | | | | | | | 1.1 | | |
| 10/28/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/29/2026 | | | | | | | | | 0.71 | 0.42 | 0.54 | 0.71 | 0.43 | 0.98 | | | | | | | | | | | | |
| 10/30/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/31/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Average | 0.27 | | | 0.53 | | | 0.88 | | | | | 0.60 | | | | | | 0.71 | | | 0.98 | 0.21 | | 1.09 | 0.70 | |
| Min | 0.27 | | | 0.21 | | | 0.48 | | | | | 0.25 | | | | | | 0.47 | | | 0.98 | 0.21 | | 1.06 | 0.50 | |
| Max | 0.27 | | | 0.98 | | | 1.22 | | | | | 1.04 | | | | | | 1.00 | | | 0.98 | 0.21 | | 1.12 | 0.90 | |

### MONITORING STATION ADDRESSES

1. Sample station at corner of 5758 M-25 & R
3. Bangor Fire Station, 3921 Wheeler
4. BCDWS Admin. Bldg. 3933 Patterson Rd.
5. 7-11, 3543 S. Old Kawkawlin Rd.
6. Admiral Petroleum, 314 S Euclid Ave.
7. Sequin Lumber, 3881 Euclid Ave
9. Top Gun Liquor, 2981 Midland Rd
10. Little Caesars, 3475 E North Union Rd
11. Number 1 Fire Station, 1401 Center Ave
12. Number 2 Fire Station, 1000 Fremont Ave
13. Jack's Fruit Market, 1000 Salzburg Ave
14. Number 4 Fire Station, 212 S. Dean St
15. Number 5 Fire Station, 1209 Smith St
16. Bay City Hall, 301 Washington Ave
17. Skipper Buds Marina, 1809 S Water St
18. Bay Valley Animal Hospital 6015 WS Saginaw Rd
19. Dore's M-84 Party Store, 6183 WS Saginaw Rd
20. Pump Station #13, 6000 WS Saginaw Rd
23. Rail Trail Pump Station, 366 N. Tuscola Rd.
24. Little Learners Daycare, 1694 Cass Ave.
26. Wieland Contracting, 2443 S Mackinaw Rd
29. Sample Station, 2515 S. 11 Mile Rd
30. Sample Station, 340 W. Beaver Rd
32. Essexville City Hall, 1107 Woodside Ave
34. Fraser Elevated Tank, 2949 1/2 N. Huron Rd
35. Lloyd's Cabinet, 1947 N Huron Rd

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

## Distribution System Monitoring

Chlorine Residual at Bacteriological Monitoring Stations (mg/L Free $Cl_2$)

| WSSN: | 2960 Hampton Twp. | | | | 3565 Kawkawlin Twp. | | | 3570 Kawkawlin Met. | | 3910 Linwood, LMWD | | 4280 Merritt Twp. | | 4440 Monitor Twp. | | | 5330 City Pinconning | | 5335 Pinconning Twp. | | 5540 Portsmouth | 6352 Standish Twp. | 7125 Williams Twp. | | | 7134 Wisner |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | 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 |
| 10/1/2026 | 0.68 | 0.37 | 0.20 | 0.44 | 1.13 | 1.20 | | 0.81 | | | | | | 0.93 | 0.53 | 0.56 | 0.52 | | 0.57 | | | | | | | |
| 10/2/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/3/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/4/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/5/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/6/2026 | | | | | | | | | | | | 0.39 | | | | | | | | | 0.29 | | 0.30 | 0.53 | 0.48 | 0.24 |
| 10/7/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/8/2026 | | 0.37 | 0.38 | 0.48 | | | 0.93 | 0.59 | | | | | | 1.09 | 0.81 | 0.62 | 0.45 | | | 0.46 | | | | | | |
| 10/9/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/10/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/11/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/12/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/13/2026 | | | | | | | | | | | | 0.38 | | | | | | | | | | | 0.45 | 0.52 | 0.32 | |
| 10/14/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/15/2026 | | 0.29 | 0.56 | 0.34 | | | | | | 0.52 | | | | | | | | | | | | | | | | |
| 10/16/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/17/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/18/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/19/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/20/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/21/2026 | | | | | | | | | | | | | | | | | | | | | | 0.33 | | | | |
| 10/22/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/23/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/24/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/25/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/26/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/27/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/28/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/29/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/30/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/31/2026 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Average | | 0.41 | | | | 1.09 | | 0.70 | | 0.52 | | 0.39 | | | 0.76 | | | 0.49 | | 0.52 | 0.29 | 0.33 | | 0.43 | | 0.24 |
| Min | | 0.20 | | | | 0.93 | | 0.59 | | 0.52 | | 0.38 | | | 0.53 | | | 0.45 | | 0.46 | 0.29 | 0.33 | | 0.30 | | 0.24 |
| Max | | 0.68 | | | | 1.20 | | 0.81 | | 0.52 | | 0.39 | | | 1.09 | | | 0.52 | | 0.57 | 0.29 | 0.33 | | 0.53 | | 0.24 |

### MONITORING STATION ADDRESSES

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. Kyle Twining, 407 W. Clara Street
74. Linwood Party and Sporting Goods, 211 W. Center St.
75. Whites Beach

| 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 Suppliers Bacteriological Analysis Report October, 2026

Name of Water Supply:
**Bay Area Water System - WSSN 0465**

### DISTRIBUTION SYSTEM SAMPLES

| COUNTY | COMMUNITY | WSSN | CHLORINE MONITORING | | | BACTERILOGICAL MONITORING | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AVERAGE FREE $CL_2$ RESIDUAL | SAMPLES WITH NO DECTECTABLE* FREE $CL_2$ RESIDUAL | PERCENT OF SAMPLES WITH NO DECTECTABLE* 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 | 0.27 | 0 | 0 | 1 | 1 | 0 | | | |
| BAY | Bangor Township | 0390 | 0.53 | 0 | 0 | 10 | 10 | 0 | | | |
| BAY | Bangor-Monitor Dist. | 0400 | 0.88 | 0 | 0 | 3 | 3 | 0 | | | |
| BAY | Bay City | 0470 | 0.60 | 0 | 0 | 30 | 40 | 0 | | | |
| BAY | Bay County (Frankl./Monitor/Portsm.) | 0485 | 0.71 | 0 | 0 | 9 | 10 | 0 | | | |
| BAY | Beaver Road Area | 0517 | 0.98 | 0 | 0 | 1 | 1 | 0 | | | |
| BAY | Beaver Township | 0518 | 0.21 | 0 | 0 | 2 | 2 | 0 | | | |
| BAY | Essexville | 2180 | 1.09 | 0 | 0 | 4 | 4 | 0 | | | |
| BAY | Fraser Township | 2465 | 0.70 | 0 | 0 | 2 | 2 | 0 | | | |
| BAY | Hampton Township | 2960 | 0.41 | 0 | 0 | 10 | 10 | 0 | | | |
| BAY | Kawkawlin Township | 3565 | 1.09 | 0 | 0 | 3 | 3 | 0 | | | |
| BAY | Kawkawlin Metro Dist. | 3570 | 0.70 | 0 | 0 | 2 | 2 | 0 | | | |
| BAY | Linwood Metro Water District | 3910 | 0.52 | 0 | 0 | 1 | 1 | 0 | | | |
| BAY | Merritt Township | 4280 | 0.39 | 0 | 0 | 2 | 2 | 0 | | | |
| BAY | Monitor Township | 4440 | 0.76 | 0 | 0 | 6 | 6 | 0 | | | |
| BAY | City of Pinconning | 5330 | 0.49 | 0 | 0 | 2 | 2 | 0 | | | |
| BAY | Pinconning Township | 5335 | 0.26 | 0 | 0 | 2 | 2 | 0 | | | |
| BAY | Portsmouth Township | 5540 | 0.29 | 0 | 0 | 1 | 1 | 0 | | | |
| Arenac | Standish Township | 6352 | 0.33 | 0 | 0 | 1 | 1 | 0 | | | |
| BAY | Williams Township | 7125 | 0.43 | 0 | 0 | 6 | 6 | 0 | | | |
| Tuscola | Wisner | 7134 | 0.24 | 0 | 0 | 1 | 1 | 0 | | | |

**Total Distribution - Free Chlorine Samples**

| | | |
|---|---|---|
| Required Number of Routine Samples: | 99 | |
| Total Number of Routine Samples Gathered: | 110 | |
| Free Chlorine Analysis: | | |
| Minimum Free Chlorine Residual: | 0.06 | mg/L |
| Average Free Chlorine Residual: | 0.60 | mg/L |
| Median Free Chlorine Residual: | 0.52 | mg/L |
| Maximum Free Chlorine Residual: | 1.22 | mg/L |
| Range of Free Chlorine Residual: | 1.16 | mg/L |
| Water Plant's Free Chlorine Residual at POE to Distribution: | | |
| Minimum Free Chlorine Residual: | 1.26 | mg/L |
| Average Free Chlorine Residual: | 1.30 | mg/L |
| Maximum Free Chlorine Residual: | 1.33 | mg/L |

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.

**Repeat Bacteriological Sampling Details**

If repeat samples were required, this space will be filled out to document those details.