

EFFLUENT WATER ANALYSIS

2021

SOURCE OF SUPPLY - LAKE ERIE

| Chemical and Bacteriological Analysis | Frequency | Average | Suggested MCL |
|--|-----------|----------------|----------------|
| Coliform (per 100 ml) | D | < 1 per 100 mL | < 1 per 100 mL |
| Temperature (°C) | D | 9.8 | ** |
| Turbidity (NTU) | D | 0.083 | 0.5 |
| pH | D | 7.74 | 6.5 to 8.5 |
| Chlorine Residual - free | D | 1.48 | 4.0 |
| Chlorine Residual - total | D | 1.52 | 4.0 |
| Phosphate (PO ₄) | D | 0.65 | 2.0 |
| Fluoride | D | 0.639 | 2.0 |
| Alkalinity | W | 87.1 | ** |
| Total Dissolved Solids | W | 178.0 | 500 |
| Total Hardness (CaCO ₃) | W | 115.0 | ** |
| as grains per gallon (gpg) TH x 0.0584 | W | 6.72 | ** |
| Calcium Hardness (CaCO ₃) | W | 79.4 | ** |
| Conductivity | W | 272 | ** |
| Chloride | M | 22.3 | 250 |
| Total Organic Carbon | M | 1.6 | ** |
| Aluminum | M | 0.021 | 0.2 |
| Copper | M | 0.003 | *1.3 |
| Lead | M | < 0.001 | *0.015 |
| Manganese | M | 0.001 | 0.05 |
| Zinc | M | < 0.002 | 5.0 |
| Nitrate (as Nitrogen) | S | 0.48 | 10.0 |
| Nitrite (as Nitrogen) | S | < 0.03 | 1.0 |
| Antimony | S | < 0.0004 | 0.006 |
| Arsenic | S | < 0.001 | 0.05 |
| Barium | S | 0.02 | 2.0 |
| Beryllium | S | < 0.0004 | 0.005 |
| Cadmium | S | < 0.004 | 0.1 |
| Chromium | S | < 0.002 | 0.2 |
| Cyanide | S | < 0.02 | 0.2 |
| Mercury | S | < 0.0002 | 0.002 |
| Nickel | S | 0.0006 | 0.1 |
| Selenium | S | < 0.001 | 0.05 |
| Thallium | S | < 0.0004 | 0.002 |
| Asbestos (mf/L) | S | < 0.02 | 7.0 |

Results expressed in parts per million (ppm) except for Temperature, Turbidity, pH, and Asbestos, and Coliform

KEY

| | |
|------------------|----------------|
| D- Daily | * Action Level |
| W- Weekly | ** Unregulated |
| M- Monthly | |
| Q- Quarterly | |
| S- Semi-annually | |