

## EFFLUENT WATER ANALYSIS

2020

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	7.7	**
Turbidity (NTU)	D	0.116	0.5
pH	D	7.74	6.5 to 8.5
Chlorine Residual - free	D	1.43	4.0
Chlorine Residual - total	D	1.55	4.0
Phosphate (PO <sub>4</sub> )	D	0.47	2.0
Fluoride	D	0.581	2.0
Alkalinity	W	88.7	**
Total Dissolved Solids	W	178.3	500
Total Hardness (CaCO <sub>3</sub> )	W	118.2	**
as grains per gallon (gpg) TH x 0.0584	W	6.90	**
Calcium Hardness (CaCO <sub>3</sub> )	W	82.3	**
Conductivity	W	287	**
Chloride	M	23.2	250
Total Organic Carbon	M	1.8	**
Aluminum	Q	0.11	0.2
Copper	Q	0.002	*1.3
Lead	Q	< 0.001	*0.015
Manganese	Q	0.003	0.05
Zinc	Q	< 0.0051	5.0
Nitrate (as Nitrogen)	S	0.31	10.0
Nitrite (as Nitrogen)	S	< 0.03	1.0
Antimony	S	< 0.001	0.006
Arsenic	S	< 0.001	0.05
Barium	S	0.02	2.0
Beryllium	S	< 0.0003	0.005
Cadmium	S	< 0.002	0.1
Chromium	S	< 0.002	0.2
Cyanide	S	< 0.05	0.2
Mercury	S	< 0.0002	0.002
Nickel	S	< 0.0009	0.1
Selenium	S	< 0.001	0.05
Thallium	S	< 0.0003	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 W- Weekly M- Monthly Q- Quarterly S- Semi-annually	* Action Level ** Unregulated
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