

Chemical/Physical Objectives - Not Health Related

Parameter	Objective	Type of Objective	Port Hope Treated Water	Limits
Alkalinity	30-500 mg/L	OG	86.0 mg/L	
Aluminum	0.1mg/L	OG	0.035 mg/l	
Chloride	250 mg/L	AO	26.0 mg/L	
Colour	5 TCU	AO	3 TCU	< MDL
Copper	1000 ug/L	AO	500 ug/L	< MDL
Dissolved Organic Carbon	5 mg/L	AO	2.0 mg/L	
Ethylbenzene	2.4 ug/L	AO	0.47 ug/L	< MDL
Hardness (as CaCo3)	80 - 100	OG	128 mg/L	
Iron	300 ug/L	AO	90 ug/L	< MDL
Manganese	50 ug/L	AO	.2 ug/L	< MDL
pH	6.5 - 8.5	OG	7.87	
Sodium	200 mg/L	AO	12.1	
Sulphate	500 mg/L	AO	31.0 mg/L	
Temperature	15 C	AO	3.5 C	
Toluene	24 ug/L	AO	0.58 ug/L	< MDL
Total Dissolved Solids	500 mg/L	AO	197.0 mg/L	
Xylenes	300 ug/L	AO	0.58 ug/L	< MDL
Zinc	5.0 mg/L	AO	400 ug/L	< MDL

Footnote:

OG - Operational Guideline

AO - Aesthetic Objective

mg/L=milligrams per litre (parts per million)

ug/L=micrograms per litre (parts per billion)

<MDL - less than Method Detectable Limit

MAC - Maximum Acceptable Concentration

IMAC - Interim Maximum Acceptable Concentration

TCU - True Colour Units

NTU - Nephelometric Turbidity Unit

C - Celcius

The information compiled is from samples analyzed in first quarter 2003 by;

Port Hope Water Treatment Plant, (in house sampling)

Lakefield Research

The information compiled is from results of samples submitted on January 14/03 to;

Ministry of the Environment, Drinking Water Surveillance Program

We are required to monitor only once a year for some parameters, so some of the data in the table could be a few months old. They are still representative of the water quality.

