

## 2020 Year End Report: Huntsville Potable Water Plant



Drinking Water Works Permit: 143-203

Municipal Drinking Water License: 143-103

Ministry of Environment, Conservation and Parks Waterworks #: 220002093

Engineering and Public Works Department

70 Pine Street, Bracebridge, Ontario P1L 1N3

Phone: 705-645-6764

Toll-Free: 1-800-281-3483

Fax: 705-645-7599

Email: [publicworks@muskoka.on.ca](mailto:publicworks@muskoka.on.ca)

Website: [www.muskoka.on.ca](http://www.muskoka.on.ca)

## Introduction

The Huntsville Potable Water Plant (PWP) services the community of Huntsville and is owned and operated by the District Municipality of Muskoka.

It was commissioned in 1988 and has an initial design capacity of 9000 m<sup>3</sup>/day. The water system currently serves an estimated population of between 8900 and 9000 persons.

The plant operates under license 143-103 and permit 143-203, issued in September 2020 under the Municipal Drinking Water Licensing Program. The plant also presently operates under MOECP permit to take water #2801-8FNPSN (currently under 10 year review with M.E.C.P.), which permits the operation of up to 22,500 m<sup>3</sup>/day.

The water source is Fairy Lake, a fairly large and clear body of water. The intake is located 15 meters deep about 280 meters from shore.

The treatment process consists of chemically assisted coagulation-flocculation, sedimentation, filtration, disinfection by chlorination and pH adjustment. There are reservoirs located at the water treatment plant, Dufferin Street, Skyline Drive and Hanes Road reservoirs.

All treatment control systems use a Supervisory Control And Data Acquisition (SCADA) system for process control and monitoring.

## Legislation Requirements

### Safe Drinking Water Act

In the Part Two Report of the Walkerton Inquiry, Commissioner Dennis O'Connor recommended that the Ontario Government enact a Safe Drinking Water Act to deal with matters related to treatment and distribution of drinking water. The Safe Drinking Water Act (SDWA) received royal assent in December, 2002.

The purpose of the Act is to gather in one place all legislation and regulations relating to the treatment and distribution of drinking water. The Act serves to protect human health through the control and regulation of drinking water systems and drinking water testing.

The foundation provisions of the Safe Drinking Water Act include:

- Purpose of the Act
- Definitions
- Minister's Powers and Duties
- Inspections
- Compliance and Enforcement
- Appeals and Offences

### Ontario Regulations

The Ontario Government has enacted several supporting regulations under the SDWA (2002). These regulations combine previous requirements under the Ontario Water Resources Act and the new requirements under the SDWA. Key components of the regulations include:

- System Categories
- Groundwater Under Direct Influence Of Surface Water (GUDI)
- Exemptions
- Approval of Systems
- Treatment
- Testing and Operational Checks (General Rules)
- Operational Checks
- Microbiological Testing
- Chemical Testing
- Adverse Conditions
- Corrective Action
- Engineer's and Summary Reports

#### [Municipal Drinking Water Licenses / Certificates of Approval](#)

The Municipal Drinking Water Licensing Program has replaced the Certificate of Approval program for municipal residential drinking water systems. The Ontario Government has implemented the Municipal Drinking Water Licensing Program (MDWLP) as recommended by Justice O'Connor in the Part II Report of the Walkerton Inquiry. Justice O'Connor recommended a new approvals framework for municipal drinking water systems, which would require owners to obtain a license to operate their systems as well as incorporate the concept of quality management into their operations.

A municipal drinking water license is an approval that is issued by the MOECC to owners under the Safe Drinking Water Act, 2002 for the operation of municipal residential drinking water systems. The District of Muskoka operated under various Certificates of Approval until October 2010 when the operating licenses were issued.

Previous Certificates of Approval were required for the establishment, replacement or alteration of all municipal drinking water systems. The MOECC issued Certificates of Approval to ensure that all undertakings comply with the legislation (i.e. Acts and Regulations) and the Ministry's Environmental Guidelines and Procedures developed to provide consistency of approach to various aspects of environmental protection throughout the province. Municipal Drinking Water Licenses and Permits similar to previous Certificates of Approval provide specific details about the drinking water system including:

- Drinking Water System Description
- Definitions and Information
- General Information – Compliance, Other Legal Requirements, Adverse Effects, Inspections
- Performance – Rated Capacity, Management of Residue
- Monitoring and Recording – Flow Measuring Devices, Sampling

- Operations and Maintenance

### Comparison to Rated Capacity and Flow Rates

The Huntsville Potable Water Plant has a rated capacity of 9000 m<sup>3</sup>/day. In 2020, the total monthly average flow for the year was 3,455 m<sup>3</sup>/day. The maximum day flow for the year was 6,528 m<sup>3</sup>/day, however the 3-year average for maximum day flow is 5,576m<sup>3</sup>/day. This represents 62% of the plant design capacity. No problems have been associated with this flow.

Monthly flows are shown in the attached table.

The Permit to Take Water (PTTW #2801-8FNPSN) permits 22,500 m<sup>3</sup>/day; therefore there were no exceedances of this permit.

### Summary of Analytical Results

A total of 665 microbiological regulatory tests were performed in 2020 and compliance with Provincial standards was achieved throughout the entire year.

There were 399 free chlorine residual tests performed in the distribution system and all results were satisfactory. Staff continue to routinely sample all areas of the system to ensure adequate free chlorine residuals are available throughout the distribution system.

A summary of other analytical results is also shown in this report.

### Summary of Treatment Chemicals

The following chemicals are used for the treatment of drinking water at the Huntsville PWP:

- Chlorine: Disinfection
- Polyaluminum Chloride (SternPac): Primary coagulant
- Soda Ash: Alkalinity and pH adjustment

A table summarizing the chemical use and average dosages is included in this report.

### Documentation of System Repairs and Upgrades

In 2020, a number of significant capital expenses were incurred to conduct system repairs. These include replacement of the water service to the Huntsville High School, replacement of a number of large, aged water valves and for the repair of a number of watermain breaks.

Completed the installation of the new serpentine pipe as part of upgrades to chlorine contact tanks and water disinfection process at the Fairyview Potable Water Plant. This new addition to the process was commissioned in May of 2020 and is functioning well. Peak Construction Ltd. was awarded contract 20-431-253 to complete upgrade inside the plant including enhancements to chlorine contact system, wastewater handling, installation of a new back-up generator system and conversion from chlorine gas to sodium hypochlorite. Completion of this work is expected in Spring 2021.

Other works of note in 2020 include the connection of the Hanes reservoir via Earls Road to provide increased water pressure to North Huntsville customers including the Huntsville Hospital.

## External Audits

### MOE Inspection

A MOE inspection was completed on July 29, 2020 and is attached to this report. The overall rating was 100%.

### DWQMS Audit

In 2020, all drinking water systems within the District had an external on-site recertification audit performed. There were two (2) minor non-conformances which have subsequently been addressed. As a result, all systems have been recertified. Overall, all drinking water systems are performing satisfactorily.

## Huntsville Water Distribution Summary 2020

### New Services:

There was four (4) new water service installed in 2020.

1. One 50mm Poly water service installed by owner's contractor. This service is located at 68 West Rd.
2. One 25mm Poly water service installed by owner's contractor. This service is located at 10 Hilltop Drive.
3. One 25mm Poly water service installed by owner's contractor. This service is located at 19 Hodges Lane.
4. One 25mm Poly water service installed by owner's contractor. This service is located at 13 Florence St. W

### Broken Watermains:

District staff repaired a total of seven (7) watermain breaks during 2020. The average cost to repair each water main break was \$8,884.41

### Service Leaks:

District staff repaired a total of 13 water service leaks during 2020. The average cost to repair each water service leak was \$4,987.87

### Service Relocation:

There were no service relocations to report in 2020.

### Frozen Services:

No municipal water services were frozen in 2020.

### Replacement Watermains:

No watermain replacement occurred in 2020.

### New Watermains:

A total of 89 meters of new 150 mm PVC watermain was installed on Tristan Lane in 2020 by owner's contractor.

At total of 705 m of new 300 mm PVC watermain was installed on Earls Road by Fowler Construction Ltd under District Contract 19-431-254

### Valve Replacement:

1. One new watermain valve was installed in 2020 by Owner's contractor on Tristan Lane
2. One new watermain valve was installed in 2020 by District of Muskoka on Muskoka Rd. 3 North.
3. Six watermain valves were replaced on King William Street by District's Contractor
4. Twenty-three watermain valve boxes were repaired in 2020 by District of Muskoka.

### Fire Hydrants:

There are 643 fire hydrants in Huntsville, 65 of which are privately owned. One new Municipal fire hydrant was installed in 2020 on Tristan Lane. No hydrants were replaced in 2020 by the District of Muskoka. No privately owned hydrants were installed in Huntsville in 2020.

All Fire Hydrants were flushed and thoroughly inspected at least once in 2020.

### Meter Installations:

No Water meters were replaced by District of Muskoka staff in 2020 under our scheduled meter change out program or due to meter failure.

### Service Box Maintenance:

A total of 33 curb stop boxes were replaced, repaired or lowered in 2020  
Two curb stop valves were replaced in 2020.

### Air-Vacuum Release Valves:

All water air-vacuum release valves were inspected in 2020

### Locates:

1101 locate requests were completed in Huntsville in 2020.

*Table 1 Water Flow Summary - 2020*

<b>Month</b>	<b>Total Monthly (m<sup>3</sup>)</b>	<b>Average Day Flow (m<sup>3</sup>/d)</b>	<b>Maximum Day Flow (m<sup>3</sup>/d)</b>	<b>Minimum Day Flow (m<sup>3</sup>/d)</b>
<b>January</b>	1,551	3,147	3,976	2,434
<b>February</b>	1,551	3,196	4,078	2,483
<b>March</b>	2,196	3,057	3,862	2,043
<b>April</b>	2,052	2,890	3,612	1,944
<b>May</b>	2,476	3,451	6,528	950
<b>June</b>	3,368	3,984	5,081	3,175
<b>July</b>	3,767	4,158	4,928	3,554
<b>August</b>	3,682	3,933	4,279	3,193
<b>September</b>	3,140	3,722	4,561	3,036
<b>October</b>	3,570	3,384	4,049	2,918
<b>November</b>	3,283	3,248	3,780	2,663
<b>December</b>	2,356	3,293	4,524	2,575

Total Flow: 1,265,129  
 Average Day: 3,454.5  
 Maximum Day: 6,527.6  
 Minimum Day: 949.8

*Table 2 Raw Water Monthly Analysis Summary 2020 Part 1*

<b>Month</b>	<b>Alkalinity (mg/L)</b>	<b>Hardness (mg/L)</b>	<b>pH</b>	<b>Turbidity (ntu)</b>	<b>True Colour (tcu)</b>	<b>Temperature (Celsius)</b>
<b>January</b>	10.5	13	6.7	0.8	27	2.0
<b>February</b>	11.0	12	6.8	0.6	14	1.7
<b>March</b>	14.8	13	6.7	0.6	23	2.0
<b>April</b>	13.5	16	6.8	0.9	39	3.8
<b>May</b>	13.0	13.0	6.6	0.7	30	8.7
<b>June</b>	12.8	12.0	6.7	0.6	23	8.7
<b>July</b>	13.0	13.5	6.5	0.6	30	9.3
<b>August</b>	13.6	11.6	6.5	0.7	28	9.7
<b>September</b>	13.5	14.0	6.3	0.5	31	16.9
<b>October</b>	16.0	16.5	6.4	0.5	31	14.2
<b>November</b>	16.4	14.4	6.6	0.7	42	14.8
<b>December</b>	14.5	17.5	6.5	0.6	51	5.9
<b>Average</b>	13.6	13.8	6.60	0.6	31	8.1



*Table 3 Raw Water Monthly Analysis Summary 2020 Part 2*

<b>Month</b>	<b>Microcystin (ug/L)</b>	<b>TDS (mg/L)</b>	<b>Langliers Saturation Index</b>	<b>Total Coliforms (CFU/100mL)</b>	<b>E. Coli (CFU/100mL)</b>	<b>Total Number of Samples</b>
<b>January</b>	Not Sampled		-3.2	19	0	4
<b>February</b>	Not Sampled		-2.6	7	0	4
<b>March</b>	Not Sampled		-3.2	34	0	5
<b>April</b>	Not Sampled		-2.8	24	3	4
<b>May</b>	0.1MDL		-2.9	10	3	4
<b>June</b>	0.1MDL		-2.9	11	1	5
<b>July</b>	0.1MDL		-3.0	11	2	4
<b>August</b>	0.1MDL		-3.0	19	1	5
<b>September</b>	0.1MDL		-3.1	6	1	4
<b>October</b>	0.1MDL		-3.0	17	1	4
<b>November</b>	0.1MDL		-2.9	20	1	5
<b>December</b>	0.1MDL		-34.0	15	1	4
<b>Average</b>	0.1MDL		-5.6	16.0	1.1	4

*Table 4 Chemical Usage Summary: Coagulant*

Month	Average Dosage mg/L	Total kg
January	18.4	1,870
February	18.4	1,759
March	18.4	1,822
April	18.4	1,661
May	18.5	2,120
June	18.6	2,252
July	18.6	2,438
August	18.6	2,310
September	18.2	2,092
October	16.6	1,793
November	16.5	1,653
December	16.5	1,731
Average	18.0	1958

Total Yearly Kilograms: 23,501kg

*Table 5 Chemical Usage Summary: Chlorine*

Month	Average Dosage mg/L	Total kg
January	3.11	315.9
February	3.06	291.4
March	2.94	288.5
April	2.99	268.2
May	3.23	371.0
June	3.40	414.9
July	2.10	277.6
August	1.82	226.6
September	1.64	188.5
October	1.67	178.4
November	1.64	164.1
December	1.53	160.2
Average	2.22	250.0

Total Yearly Kilograms: 3,145.5 kg

*Table 6 Chemical Usage Summary: Soda Ash*

Month	Average Dosage mg/L	Total kg
January	22.40	2,204.9
February	22.75	2,122.1
March	23.57	2,256.6
April	24.23	2,120.2
May	22.81	2,433.1
June	22.37	2,686.3
July	26.91	3,472.1
August	31.16	3,831.0
September	34.86	3,945.5
October	23.42	2,507.3
November	20.93	2,060.0
December	21.71	2,239.3
Average	25	2,656.4

Total Yearly Kilograms: 31,878.4 kg

## Huntsville Certification of Reports

I certify that the information in this document and all attachments are correct, accurate, and complete to the best of my knowledge

Marcus Firman, C.E.T.  
Director, Water and Wastewater Services

Micheal Currie  
Manager of Water and Wastewater Operations



**OPTIONAL ANNUAL REPORT TEMPLATE**

<b>Drinking-Water System Number:</b>	220002093
<b>Drinking-Water System Name:</b>	Fairyview Potable Water Plant (PWP)
<b>Drinking-Water System Owner:</b>	District Municipality of Muskoka
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 01 to December 31, 2020

<p><b><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></b></p> <p><b>Does your Drinking-Water System serve more than 10,000 people? Yes [ ] No [ X ]</b></p> <p><b>Is your annual report available to the public at no charge on a web site on the Internet? Yes [ X ] No [ ]</b></p> <p><b>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</b></p> <table border="1" style="width: 100%;"> <tr> <td>                 District Municipality of Muskoka                  70 Pine Street                  Bracebridge, Ontario                  P1L 1N3                  705-687-6764                  www.muskoka.on.ca             </td> </tr> </table>	District Municipality of Muskoka 70 Pine Street Bracebridge, Ontario P1L 1N3 705-687-6764 www.muskoka.on.ca	<p><b><u>Complete for all other Categories.</u></b></p> <p><b>Number of Designated Facilities served:</b></p> <table border="1" style="width: 100%;"> <tr> <td>N.A.</td> </tr> </table> <p><b>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [ ] No [ ]</b></p> <p><b>Number of Interested Authorities you report to:</b></p> <table border="1" style="width: 100%;"> <tr> <td style="height: 20px;"></td> </tr> </table> <p><b>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [ ] No [ ]</b></p>	N.A.	
District Municipality of Muskoka 70 Pine Street Bracebridge, Ontario P1L 1N3 705-687-6764 www.muskoka.on.ca				
N.A.				

**Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report**

**List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:**

Drinking Water System Name	Drinking Water System Number
N.A.	220002093

**Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water? Yes [ ] No [ X ]**



Indicate how you notified system users that your annual report is available, and is free of charge.

- Public access/notice via the web  
 Public access/notice via Government Office  
 Public access/notice via a newspaper  
 Public access/notice via Public Request  
 Public access/notice via a Public Library  
 Public access/notice via other method \_\_\_\_\_

**Describe your Drinking-Water System**

The Water Treatment plant serving the Town of Huntsville was constructed in 1988. The treatment process consists of chemically assisted coagulation-flocculation, sedimentation, filtration and disinfection by chlorination and pH adjustment. The capacity of the plant is 9000 cubic meters per day. The water source is Fairy Lake, a fairly large and clear body of water. The intake is located in 15 meters of water, about 280 meters from shore.

**List all water treatment chemicals used over this reporting period**

Chlorine, Polyaluminum Chloride, and Soda Ash

**Were any significant expenses incurred to?**

- Install required equipment  
 Repair required equipment  
 Replace required equipment

**Please provide a brief description and a breakdown of monetary expenses incurred**

- Planned upgrade on plant disinfection system including installation of a serpentine pipe to better facilitate maintenance on existing chlorine contact chamber. Civil works for this installation completed and commissioned in May 2020.
- Installation of 705m of new watermain to connect the Hanes Reservoir with North Huntsville Servicing including the hospital was completed in 2020 to provide consistent supply and increase zone pressure.
- Contract 20-431-253 for interior upgrades of Fairyview Potable Water Plant was awarded to Peak Construction Ltd. Upgrades include replacement of the diesel generator, improvements to chlorine contact system, upgrades to plant wastewater handling and conversion from chlorine gas to sodium hypochlorite. Completion of this work is expected in Spring 2021.



**Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre**

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
Nov 23, 2020	EC/TC	NDOG	NDOG	Two rounds of resample collection	November 26, 2020

**Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.**

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #) cfu/100 mL	Range of Total Coliform Results (min #)-(max #) cfu/100 mL	Number of HPC Samples	Range of HPC Results (min #)-(max #) cfu/100 mL
<b>Raw</b>	52	0-5	1-77	N/A	N/A
<b>Treated</b>	52	0-0	0-0	52	0-1
<b>Distribution</b>	243	0-0	0-0	80	0-15

**Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.**

	Number of Grab Samples	Range of Results (min #)-(max #)	Geometric Average
<b>Turbidity</b>	8760	0.07-0.20	0.08
<b>Chlorine</b>	8760	0.77-1.87	1.59
<b>Fluoride</b> (If the DWS provides fluoridation)	N/A	N/A	N/A

*NOTE: For continuous monitors use 8760 as the number of samples.*

**1**

*NOTE: Record the unit of measure if it is **not** milligrams per litre.  
MDL = Method Detection Limit, NDOG = No Data, Over Grown*

**Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.**

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure

**Summary of Inorganic parameters tested during this reporting period or the most recent sample results**





Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	May 5/2020	0.09<MDL	ug/L	No
Arsenic	May 5/2020	0.2<MDL	ug/L	No
Barium	May 5/2020	14.3	ug/L	No
Boron	May 5/2020	6	ug/L	No
Cadmium	May 5/2020	0.008	ug/L	No
Chromium	May 5/2020	0.16	ug/L	No
*Lead			ug/L	No
Mercury	May 5/2020	0.01<MDL	ug/L	No
Selenium	May 5/2020	0.04<MDL	ug/L	No
Sodium	May 5/2020	13.3	mg/L	No
Uranium	May 5/2020	0.002<MDL	ug/L	No
Fluoride	May 5/2020	0.06<MDL	mg/L	No
Nitrite	Feb 3/20	0.003<MDL	mg/L	No
Nitrate	Feb 3/20	0.253	mg/L	No
Nitrite	May 5/20	0.003<MDL	mg/L	No
Nitrate	May 5/20	0.250	mg/L	No
Nitrite	Aug 4/20	0.003<MDL	mg/L	No
Nitrate	Aug 4/20	0.302	mg/L	No
Nitrite	Nov 2/20	0.003<MDL	mg/L	No
Nitrate	Nov 2/20	0.222	mg/L	No

\*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems

**Summary of lead testing under Schedule 15.1 during this reporting period**

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Number of Exceedances
Plumbing	0		
Distribution	6	0.01-0.76ug/L	0

**Summary of Organic parameters sampled during this reporting period or the most recent sample results**

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	May 5/20	0.02<MDL	ug/L	No
Atrazine+N-dealkylated Metabolites	May 5/20	0.01<MDL	ug/L	No
Azinphos-methyl	May 5/20	0.05<MDL	ug/L	No
Benzene	May 5/20	0.32<MDL	ug/L	No
Benzo(a)pyrene	May 5/20	0.004<MDL	ug/L	No
Bromoxynil	May 5/20	0.33<MDL	ug/L	No
Carbaryl	May 5/20	0.05<MDL	ug/L	No
Carbofuran	May 5/20	0.01<MDL	ug/L	No
Carbon Tetrachloride	May 5/20	0.17<MDL	ug/L	No
Chorpyrifos	May 5/20	0.02<MDL	ug/L	No



Diazinon	May 5/20	0.02<MDL	ug/L	No
Dicamba	May 5/20	0.20<MDL	ug/L	No
1,2 Dichlorobenzene	May 5/20	0.41<MDL	ug/L	No
1,4 Dichlorobenzene	May 5/20	0.36<MDL	ug/L	No
1,2 Dichloroethane	May 5/20	0.35<MDL	ug/L	No
1,1 Dichloroethylene	May 5/20	0.33<MDL	ug/L	No
Dichloromethane	May 5/20	0.35<MDL	ug/L	No
2,4 Dichlorophenol	May 5/20	0.15<MDL	ug/L	No
2,4-D	May 5/20	0.19<MDL	ug/L	No
Diclofop-Methyl	May 5/20	0.40<MDL	ug/L	No
Dimethoate	May 5/20	0.06<MDL	ug/L	No
Diquat	May 5/20	1<MDL	ug/L	No
Diuron	May 5/20	0.03<MDL	ug/L	No
Glyphosate	May 5/20	1<MDL	ug/L	No
Malathion	May 5/20	0.02<MDL	ug/L	No
MCPA	May 5/20	0.00012<MDL	ug/L	No
Metolachor	May 5/20	0.01<MDL	ug/L	No
Metribuzin	May 5/20	0.02<MDL	ug/L	No
Monochlorobenzene	May 5/20	0.30<MDL	ug/L	No
Paraquat	May 5/20	1<MDL	ug/L	No
Pentachlorophenol	May 5/20	0.15<MDL	ug/L	No
Phorate	May 5/20	0.01<MDL	ug/L	No
Picloram	May 5/20	1<MDL	ug/L	No
PCB	May 5/20	0.04<MDL	ug/L	No
Prometryne	May 5/20	0.03<MDL	ug/L	No
Simazine	May 5/20	0.01<MDL	ug/L	No
<b>THM</b> (NOTE: annual average from Distribution – 4 samples)	Samples Taken: Feb.3/20 May 05/20 Aug. 4/20 Nov 2/20	34.25	µg/L	No
Terbufos	May 5/20	0.01<MDL	ug/L	No
Tetrachloroethylene	May 5/20	0.35<MDL	ug/L	No
2,3,4,6 - Tetrachlorophenol	May 5/20	0.20<MDL	ug/L	No
Triallate	May 5/20	0.01<MDL	ug/L	No
Trichloroethylene	May 5/20	0.44<MDL	ug/L	No
2,4,6,- Trichlorophenol	May 5/20	0.25<MDL	ug/L	No
Trifluralin	May 5/20	0.02<MDL	ug/L	No
Vinyl Chloride	May 5/20	0.17<MDL	ug/L	No
HAA5 (Distribution Water)	Samples Taken:			
	Feb.03/20	22.7	µg/L	No
	May 05/20	22.5	µg/L	No
	Aug.4/20	31.4	µg/L	No
	Nov 02/20	43.1	µg/L	No
	RAA	29.93	µg/L	No

**List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.**



# Ontario Drinking-Water Systems Regulation O. Reg. 170/03

Parameter	Result Value	Unit of Measure	Date of Sample