

## 2021 Year End Report: Port Carling Potable Water Plant (PWP)



Drinking Water Works Permit: 143-205

Municipal Drinking Water License: 143-105

Ministry of Environment, Conservation and Parks Waterworks #: 220002119

Engineering and Public Works Department

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## Introduction

The Port Carling Potable Water Plant (PWP) serving the community of Port Carling is owned and operated by the District Municipality of Muskoka.

It was constructed in 2002 and has an initial design capacity of 1509 m<sup>3</sup>/day. The water system currently serves 408 customer connections.

The plant operates under license 143-105 and permit 143-205, issued in September 2020 under the Municipal Drinking Water Licensing Program. The plant also presently operates under MECP permit to take water #4427-AXHH2V (expires May 7 2028), which permits the operation of up to 2,823 meters cubed per day.

The Raw Water intake structure is located in Lake Rosseau approximately 23.3 meters deep and 800 meters from shore.

The plant process is a conventional package filtration plant, with supplementary pH adjustment. The facility includes an intake crib, intake pipe, fixed screen, and a low lift pumping station. The treatment plant consists of flash mixing, variable speed flocculators, and two (2) dual media filters. Also located at the treatment plant are two (2) backwash holding tanks, one (1) contact chamber, two (2) clear wells, four (4) high lift pumps, two (2) backwash pumps, chemical storage, preparation, and feed equipment.

The treatment plant system features chemical treatment consisting of hydrated lime / carbon dioxide (corrosion control), powdered activated carbon (taste and odour), polyaluminum chloride (coagulation), polymer (coagulant aid), sodium hydroxide (pH control) and sodium hypochlorite (disinfection). The addition of hydrofluorosilic acid (fluoridation) to prevent tooth decay completes the treatment process. The distribution system includes a 1200 meters cubed elevated storage tank.

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 MECP 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 MECP 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 Port Carling Potable Water Plant has a rated capacity of 1,590 meters cubed per day. In 2021, the total monthly average flow for the year was 522.5 meters cubed per day. The maximum day flow for the year was 800.1 meters cubed per day however the 3-year average for maximum day flow is 840 meters cubed per day. This represents 53% of the plant design capacity. No operational concerns have been associated with these flows.

Monthly flows are shown in the attached table

The Permit to Take Water (PTTW #4427-AXHH2V) permits 2,823 m<sup>3</sup>/day; therefore there were no exceedances of this permit.

### Summary of Analytical Results

A total of 622 microbiological regulatory tests were performed in 2021 and compliance with Provincial standards was achieved throughout the entire year.

There were 156 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 Port Carling PWP:

- Lime: pH and Alkalinity Adjustment
- Co<sub>2</sub>: pH Adjustment
- Powered Activated Carbon: Taste and Odour Control
- Polyaluminum Chloride: Primary Coagulant
- Polymer: Coagulant Aid
- Sodium Hypochlorite: Disinfection
- Sodium Hydroxide: pH Adjustment
- Hydrofluosilicic Acid: Fluoride

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

#### Documentation of System Repairs and Upgrades

No Significant repairs/upgrades carried out in 2021.

#### External Audits

##### MECP Inspection

An MECP inspection was completed on September 3<sup>rd</sup>, 2021. The overall rating was 100%.

##### DWQMS Audit

In 2021, all drinking water systems within the District had an external reaccreditation audit performed. There were no minor non-conformances reported and all drinking water systems have been recertified. Overall, all drinking water systems are performing satisfactorily.

#### Port Carling Water Distribution Summary 2021

##### New Services:

A total of three (3) customers connected to existing serviced properties in 2021.

##### Broken Watermains:

There were no broken watermains to report in 2021.

##### Service Leaks:

District staff responded to and repaired three (3) water service leaks in 2021.

##### Service Relocation:

There were no service relocations to report in 2021.

##### Frozen Services:

No municipal water services were frozen in 2021.

##### Replacement Watermains:

No watermain replacement occurred in 2021.

##### New Watermains:

There were no new watermains installed in 2021.

##### Valve Replacement:

No mainline valve replacement took place in 2021.

##### Fire Hydrants:

There are 85 municipally assumed hydrants maintained by the District in Port Carling. They were inspected, operated, and/or flushed at least once, pumped dry in the fall, and scoped during the winter months to ensure they are not susceptible to freezing. There were five (5) fire hydrant replacements in the Harris St area in 2021.

##### Meter Installations:

A total of five (5) water meters were replaced in Port Carling in 2021 as part of the aged meter change out program. The average meter age in Port Carling is 15 years.

#### Service Box Maintenance:

District field staff repaired zero (0) curb stop boxes and responded to 74 water turn on/off requests in 2021.

#### Air-Vacuum Release Valves:

Ten (10) air release valves were inspected and tested for proper operation in 2021. Each of the chambers was inspected and pumped out as required.

#### Locates:

District operations staff completed 123 buried utility locate requests throughout West Muskoka in 2021 to comply with Ontario One Call requests.

*Table 1 Water Flow Summary - 2021*

<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>	14,082	454	554	348
<b>February</b>	13,038	466	561	397
<b>March</b>	15,043	485	561	368
<b>April</b>	15,344	511	686	376
<b>May</b>	18,466	596	738	384
<b>June</b>	20,191	673	800	575
<b>July</b>	19,945	643	782	362
<b>August</b>	19,373	625	697	490
<b>September</b>	14,917	497	641	360
<b>October</b>	14,260	460	600	313
<b>November</b>	13,167	439	683	263
<b>December</b>	12,942	417	531	323

Total Flow: 190,769m<sup>3</sup>  
 Average Day: 522.5m<sup>3</sup>  
 Maximum Day: 800.1m<sup>3</sup>  
 Minimum Day: 262.9m<sup>3</sup>

*Table 2 Raw Water Monthly Analysis Summary 2021 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>	10.8	13.0	7.0	0.3	9	6.9
<b>February</b>	11.8	11.0	6.9	0.3	10	7.1
<b>March</b>	11.9	12.0	6.9	0.3	9	6.7
<b>April</b>	11.8	11.0	7.0	0.4	9	7.5
<b>May</b>	11.7	11.5	6.9	0.4	11	8.8
<b>June</b>	12.0	12.5	6.9	0.4	17	8.4
<b>July</b>	12.6	12.6	6.8	0.4	16	8.7
<b>August</b>	13.2	12.6	6.8	0.4	15	9.4
<b>September</b>	13.7	13.2	6.7	0.4	16	9.4
<b>October</b>	13.5	14.0	6.8	0.4	18	9.8
<b>November</b>	13.1	13.0	6.9	0.4	18	9.3
<b>December</b>	12.7	13.0	7.1	0.3	15	7.4
<b>Average</b>	12.4	12.5	6.9	0.4	13.6	8.3



Table 3 Raw Water Monthly Analysis Summary 2021 Part 2

Month	Microcystin (ug/L)	Conductivity (us/cm)	Langliers Saturation Index	Total Coliforms (CFU/100mL)	E. Coli (CFU/100mL)	Total Number of Samples
January	Not Sampled	58.2	-2.8	0.5	0.0	4
February	Not Sampled	58.2	-2.8	0.3	0.0	4
March	Not Sampled	70.9	-2.8	0.8	0.0	5
April	Not Sampled	57.8	-3.0	0.3	0.0	4
May	Not Sampled	64.1	-2.8	1.8	0.2	5
June	<0.1ug/L	62.9	-2.8	1.3	0.0	4
July	<0.1ug/L	57.6	-2.7	1.0	0.0	4
August	<0.1ug/L	61.7	-2.9	1.6	0.2	5
September	Not Sampled	66.0	-2.9	2.3	0.5	4
October	Not Sampled	62.0	-3.0	1.8	0.3	4
November	Not Sampled	61.0	-2.8	4.4	1.2	5
December	Not Sampled	31.5	-2.8	5.7	1.5	4
Average	<0.1ug/L	59.3	-2.9	1.8	0.3	4

*Table 4 Chemical Usage Summary: Hydrated Lime*

Month	Average Dosage mg/L	Total kg
January	18.2	265.0
February	18.2	244.5
March	18.2	284.2
April	18.2	289.6
May	18.2	345.9
June	18.2	385.1
July	18.2	376.0
August	18.2	366.6
September	18.2	281.8
October	18.2	273.8
November	18.2	252.9
December	18.2	247.2
Average	18.2	301

Total Yearly Kilograms: 3,613kg

*Table 5 Chemical Usage Summary: Carbon Dioxide*

Month	Average Dosage mg/L	Total kg
January	26.8	390.1
February	26.0	348.5
March	20.9	325.5
April	26.9	423.4
May	24.4	462.7
June	21.5	454.5
July	22.2	454.5
August	19.1	385.6
September	27.2	418.2
October	26.5	397.8
November	29.4	396.8
December	34.2	461.3
Average	25.4	409.9

Total Yearly Kilograms: 4,919kg

*Table 7 Chemical Usage Summary: Polyaluminum Chloride*

Month	Average Dosage mg/L	Total kg
January	11.5	168
February	11.5	155
March	11.5	179
April	10.6	169
May	10.6	202
June	10.3	218
July	10.2	210
August	12.4	249
September	12.4	192
October	12.4	186
November	12.4	172
December	12.4	168
Average	11.5	189

Total Yearly Kilograms: 2,268kg

*Table 8 Chemical Usage Summary: Sodium Hypochlorite*

Month	Average Dosage mg/L	Total kg
January	3.60	51.9
February	3.60	47.9
March	3.60	55.6
April	3.33	52.5
May	3.33	62.8
June	3.38	70.6
July	4.03	82.5
August	4.03	80.0
September	3.23	49.9
October	2.98	44.1
November	2.98	40.2
December	2.98	39.7
Average	3.36	58

Total Yearly Kilograms: 677kg

*Table 9 Chemical Usage Summary: Sodium Hydroxide*

Month	Average Dosage mg/L	Total kg
January	3.3	46
February	3.3	43
March	3.9	59
April	4.6	71
May	4.6	85
June	4.5	91
July	2.8	55
August	2.8	53
September	2.8	41
October	2.8	39
November	2.8	36
December	2.8	36
Average	3.4	55

Total Yearly Kilograms: 655kg

*Table 10 Chemical Usage Summary: Fluoride*

Month	Average Dosage mg/L	Total kg
January	0.85	12.0
February	0.83	10.8
March	0.79	11.9
April	0.79	12.1
May	0.79	14.6
June	0.78	15.8
July	0.63	12.1
August	0.63	12.2
September	0.63	9.4
October	0.63	9.0
November	0.63	8.3
December	0.63	8.2
Average	0.72	11

Total Yearly Kilograms: 136kg

## Port Carling 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

Michael Spicer  
Director, Water and Wastewater Services

Stewart Hurd  
Manager of Water and Wastewater Operations

Disclaimer: The following pages are not in an accessible format.



**ANNUAL REPORT**

<b>Drinking-Water System Number:</b>	220002119
<b>Drinking-Water System Name:</b>	Ferndale Water Treatment Plant
<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, 2021

<p><b><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></b></p> <p>Does your Drinking-Water System serve more than 10,000 people? Yes [ ] No [ X ]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [ X ] No [ ]</p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; padding: 5px;">                 District Municipality of Muskoka                  70 Pine Street                  Bracebridge, Ontario                  P1L 1N3                  (705) 645-6764                  www.muskoka.on.ca             </div>	<p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served:  <div style="border: 1px solid black; padding: 2px; width: 100px; text-align: center;">N.A.</div> </p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve?                  Yes [ ] No [ ]</p> <p>Number of Interested Authorities you report to:  <div style="border: 1px solid black; padding: 2px; width: 100px; text-align: center;">N.A.</div> </p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?                  Yes [ ] No [ ]</p>
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**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.	

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 [ ]

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

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 community of Port Carling was constructed in 2002. The treatment process consists of chemically assisted coagulation-flocculation, sedimentation and filtration using multi-media filters with a combination of gravel, sand and anthracite coal. Disinfection in a post-treatment chlorine contact chamber is followed by fluoridation and final pH adjustment before the treated water is pumped to our customers. Our waterworks currently serves a population of approximately 1,000 persons. The rated water production capacity of the plant is 1590 cubic meters per day. Our raw water source is Lake Rosseau and the intake is located 1.8 meters above the lakebed at a depth of 24.3 meters and about 800 meters from shore.

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

Sodium Hypochlorite, Polyaluminum Chloride, Sodium Hydroxide, Carbon Dioxide, Hydrated Lime, Fluoride.

### 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

### 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
02/14/21	Fluoride	1.97	mg/L	Brief spike upon High Lift startup – no further corrective action taken	02/14/21

**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 #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw	52	0-4	0-8	0	N/A
Treated	52	0-0	0-0	52	0-2
Distribution	155	0-0	0-0	52	0-1

**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 Mean Average
Turbidity	8760	0.02- 0.07 NTU	0.032 NTU
Chlorine	8760	1.72 – 2.40 mg/l	2.07 mg/l
Fluoride (If the DWS provides fluoridation)	8760	0.48 - 1.97 mg/l	0.64 mg/l

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

***NOTE:** Record the unit of measure if it is **not** milligrams per litre.  
MDL = Method Detection Limit*

**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
N.A.				

**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 03/2021	0.09<MDL	µg/L	No
Arsenic	May 03/2021	0.2<MDL	µg/L	No
Barium	May 03/2021	7.92	µg/L	No
Boron	May 03/2021	5	µg/L	No
Cadmium	May 03/2021	0.008	µg/L	No
Chromium	May 03/2021	0.24	µg/L	No
*Lead				
Mercury	May 03/2021	0.01<MDL	µg/L	No
Selenium	May 03/2021	0.04<MDL	µg/L	No
Sodium	May 03/2021	8.75	mg/L	No
Uranium	May 03/2021	0.002<MDL	µg/L	No
Fluoride	May 03/2021	0.57	mg/L	No

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

Nitrite	May 03/2021	0.003<MDL	mg/L	No
Nitrate	May 03/2021	0.180	mg/L	No
Nitrite	Feb 01/2021	0.003<MDL	mg/L	No
Nitrate	Feb 01/2021	0.176	mg/L	No
Nitrite	Aug 03/2021	0.003<MDL	mg/L	No
Nitrate	Aug 03/2021	0.21	mg/L	No
Nitrite	Nov 01/2021	0.003<MDL	mg/L	No
Nitrate	Nov 01/2021	0.247	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 #)	Geometric Mean Average	Unit of Measure	Number of Exceedances
Plumbing	0	N.A.	N.A.	µg/L	N.A.
Distribution	4	0.04 – 0.05	0.045	µg/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 03/2021	0.02<MDL	µg/L	No
Atrazine+N-dealkylated Metabolites	May 03/2021	0.01<MDL	µg/L	No
Azinphos-methyl	May 03/2021	0.05<MDL	µg/L	No
Benzene	May 03/2021	0.32<MDL	µg/L	No
Benzo(a)pyrene	May 03/2021	0.004<MDL	µg/L	No
Bromoxynil	May 03/2021	0.33<MDL	µg/L	No
Carbaryl	May 03/2021	0.05<MDL	µg/L	No
Carbofuran	May 03/2021	0.01<MDL	µg/L	No
Carbon Tetrachloride	May 03/2021	0.17<MDL	µg/L	No
Chorpyrifos	May 03/2021	0.02<MDL	µg/L	No
Diazinon	May 03/2021	0.02<MDL	µg/L	No
Dicamba	May 03/2021	0.20<MDL	µg/L	No
1,2 Dichlorobenzene	May 03/2021	0.41<MDL	µg/L	No
1,4 Dichlorobenzene	May 03/2021	0.36<MDL	µg/L	No
1,2 Dichloroethane	May 03/2021	0.35<MDL	µg/L	No
1,1 Dichloroethylene	May 03/2021	0.33<MDL	µg/L	No
Dichloromethane	May 03/2021	0.35<MDL	µg/L	No
2,4 Dichlorophenol	May 03/2021	0.15<MDL	µg/L	No
2,4-D	May 03/2021	0.19<MDL	µg/L	No
Diclofop-Methyl	May 03/2021	0.40<MDL	µg/L	No

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

<b>Dimethoate</b>	May 03/2021	0.06<MDL	µg/L	No
<b>Diquat</b>	May 03/2021	1<MDL	µg/L	No
<b>Diuron</b>	May 03/2021	0.03<MDL	µg/L	No
<b>Glyphosate</b>	May 03/2021	1<MDL	µg/L	No
<b>Malathion</b>	May 03/2021	0.02<MDL	µg/L	No
<b>MCPA</b>	May 03/2021	0.00012<MDL	µg/L	No
<b>Metolachor</b>	May 03/2021	0.01<MDL	µg/L	No
<b>Metribuzin</b>	May 03/2021	0.02<MDL	µg/L	No
<b>Monochlorobenzene</b>	May 03/2021	0.30<MDL	µg/L	No
<b>Paraquat</b>	May 03/2021	1<MDL	µg/L	No
<b>Pentachlorophenol</b>	May 03/2021	0.15<MDL	µg/L	No
<b>Phorate</b>	May 03/2021	0.01<MDL	µg/L	No
<b>Picloram</b>	May 03/2021	1<MDL	µg/L	No
<b>PCB</b>	May 03/2021	0.04<MDL	µg/L	No
<b>Prometryne</b>	May 03/2021	0.03<MDL	µg/L	No
<b>Simazine</b>	May 03/2021	0.01<MDL	µg/L	No
<b>THM</b> (NOTE: Annual average of 4 samples – Distribution system)	Feb 01/2021 – Nov 01/2021	61.5ug/L	µg/L	No
<b>HAA</b> (NOTE: Annual average of 4 samples – Distribution system)	Feb 01/2021 – Nov 01/2021	46.85ug/L	µg/L	No
<b>Terbufos</b>	May 03/2021	0.01<MDL	µg/L	No
<b>Tetrachloroethylene</b>	May 03/2021	0.35<MDL	µg/L	No
<b>2,3,4,6 - Tetrachlorophenol</b>	May 03/2021	0.20<MDL	µg/L	No
<b>Triallate</b>	May 03/2021	0.01<MDL	µg/L	No
<b>Trichloroethylene</b>	May 03/2021	0.44<MDL	µg/L	No
<b>2,4,6,- Trichlorophenol</b>	May 03/2021	0.25<MDL	µg/L	No
<b>Trifluralin</b>	May 03/2021	0.02<MDL	µg/L	No
<b>Vinyl Chloride</b>	May 03/2021	0.17<MDL	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.**

Parameter	Result Value	Unit of Measure	Date of Sample
Fluoride	1.97	mg/L	02/14/21
THM	61.5	ug/L	4 quarter running average
HAA	46.85	ug/L	4 quarter running average