# 2020 Year End Report: Baysville Potable Water Plant (PWP)

Drinking Water Works Permit: 143-208

Municipal Drinking Water License: 143-108

Ministry of Environment and Climate Change Waterworks #: 260071435

Engineering and Public Works Department

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## Introduction

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

It commissioned in 2006 and has an initial design capacity of 1,100 $m^3$/day. The water system currently serves a population of approximately 348 people.

The plant operates under license 143-108 and permit 143-208, issued in September 2020 under the Municipal Drinking Water Licensing Program. The plant also presently operates under MOECP permit to take water #7283-AUPPRM (expires February 06, 2028), which permits the operation of up to 1,100 $m^3$/day.

The Raw Water intake structure is located in Lake of Bays, a fairly large and clear body of water. The intake is located in five (5) meters of water, about 385 meters from shore.

The plant treatment process consists of chemically assisted coagulation-flocculation, sedimentation, filtration, disinfection by chlorination as well as pH adjustment.

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 Baysville Potable Water Plant has a rated capacity of 1,100 $m^3$/day. In 2020, the total monthly average flow for the year was 90 $m^3$/day. The maximum day flow for the y ear was 266 $m^3$/day, however the 3-year average for maximum day flow is 286 $m^3$/day. This represents 26% 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 #7283-AUPPRM – under review) permits 1,100$m^3$/day; therefore there were no exceedances of this permit.

### Summary of Analytical Results

A total of 572 microbiological regulatory tests were performed in 2020 and compliance with Provincial standards was achieved throughout the entire year.

There were 324 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 Baysville PWP:

- Hydrated Lime: pH and Alkalinity Adjustment
- Carbon Dioxide: pH Adjustment
- Poly Aluminum Chloride: Primary Coagulant
- Sodium Hypochlorite: Disinfection
- Sodium Hydroxide: pH Adjustment

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

### Documentation of System Repairs and Upgrades

No significant capital expenses were incurred to conduct system repairs or upgrades in 2020.

## External Audits

### MOE Inspection

A MOE inspection was completed on July 21, 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.

## Baysville Water Distribution Summary 2020

### New Services:
There was one (1) new water service installed in 2020.

### Broken Watermains:
There were no broken water mains to report in 2020.

### Service Leaks:
There were no service leaks to report in 2020.

### 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:
There were no new watermains installed in 2020.

### Valve Replacement:
No mainline valve replacement took place in 2020.

### Fire Hydrants:
There are 57 municipally assumed hydrants maintained by the District in the Town of Baysville, 5 of which are privately owned. 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 no new fire hydrants replaced or repaired in 2020.

Zero additional hydrants were added in 2020 as well as zero being repaired after being damaged.

### Meter Installations:
A total of zero (0) water meters were replaced in Baysville in 2020 as part of the aged meter change out program. The average meter age in Baysville is 13 years.

### Service Box Maintenance:
District field staff excavated and repaired one (1) curb stop boxes in 2020.

### Air-Vacuum Release Valves:
All water air release valves were inspected and tested for proper operation in 2020. Each of the chambers was inspected and pumped out as required.

### Locates:
Field staff addressed 17 written locate requests in 2020

*Table 1 Water Flow Summary - 2020*

| Month | Total Monthly ($m^3$) | Average Day Flow ($m^3/d$) | Maximum Day Flow ($m^3/d$) | Minimum Day Flow ($m^3/d$) |
|---|---|---|---|---|
| **January** | 1,551 | 50 | 74 | 38 |
| **February** | 1,551 | 53 | 94 | 41 |
| **March** | 2,196 | 71 | 105 | 41 |
| **April** | 2,052 | 68 | 82 | 52 |
| **May** | 2,476 | 80 | 110 | 52 |
| **June** | 3,368 | 112 | 266 | 77 |
| **July** | 3,767 | 122 | 147 | 83 |
| **August** | 3,682 | 119 | 150 | 87 |
| **September** | 3,140 | 105 | 140 | 74 |
| **October** | 3,570 | 115 | 179 | 70 |
| **November** | 3,283 | 109 | 144 | 59 |
| **December** | 2,356 | 76 | 99 | 56 |

Total Flow: 32,992$m^3$
Average Day: 90 $m^3$
Maximum Day: 266 $m^3$
Minimum Day: 38 $m^3$

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

| Month | Alkalinity (mg/L) | Hardness (mg/L) | pH | Turbidity (ntu) | True Colour (tcu) | Temperature (Celsius) |
|---|---|---|---|---|---|---|
| **January** | 15 | 15 | 7.08 | 0.26 | 32 | 8.2 |
| **February** | 12 | 13 | 6.52 | 0.27 | 13 | 7.9 |
| **March** | 11 | 14 | 6.71 | 0.24 | 10 | 7.2 |
| **April** | 12 | 12 | 6.62 | 0.19 | 14 | 8.3 |
| **May** | 14 | 13 | 6.85 | 0.24 | 12 | 9.4 |
| **June** | 12 | 12 | 6.80 | 0.33 | 24 | 13.4 |
| **July** | 14 | 14 | 6.45 | 0.42 | 18 | 16.7 |
| **August** | 14 | 13 | 6.33 | 0.65 | 18 | 17.9 |
| **September** | 14 | 14 | 6.94 | 0.81 | 19 | 17.8 |
| **October** | 12 | 8 | 6.55 | 0.34 | 18 | 13.8 |
| **November** | 12 | 11 | 6.47 | 0.29 | 20 | 11.6 |
| **December** | 12 | 11 | 6.68 | 0.22 | 13 | 8.5 |
| **Average** | 13 | 13 | 6.67 | 0.35 | 18 | 11.7 |

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

| Month | Microcystin (ug/L) | TDS (mg/L) | Langliers Saturation Index | Total Coliforms (CFU/100mL) | E. Coli (CFU/100mL) | Total Number of Samples |
|---|---|---|---|---|---|---|
| **January** | Not Sampled | | -2.5 | 8.5 | 4.0 | 4 |
| **February** | Not Sampled | | -3.2 | 3.5 | 0.0 | 4 |
| **March** | Not Sampled | | -2.9 | 16.2 | 0.6 | 5 |
| **April** | Not Sampled | | -1.6 | 5.5 | 0.3 | 4 |
| **May** | <0.10MDL | | -2.8 | 10.8 | 0.0 | 4 |
| **June** | <0.10MDL | | -2.9 | 30.6 | 2.6 | 5 |
| **July** | <0.10MDL | | -3.0 | 8.5 | 1.0 | 4 |
| **August** | <0.10MDL | | -3.1 | 102.0 | 2.0 | 5 |
| **September** | <0.10MDL | | -2.5 | 5.5 | 0.3 | 4 |
| **October** | <0.10MDL | | -4.8 | 12.8 | 0.8 | 4 |
| **November** | <0.10MDL | | -3.2 | 24.4 | 0.2 | 5 |
| **December** | <0.10MDL | | -2.9 | 22.5 | 0.5 | 4 |
| **Average** | <0.10MDL | | -3.0 | 20.9 | 1.0 | 4 |

*Table 4 Chemical Usage Summary: CO2*

| Month | Average Dosage mg/L | Total kg |
|---|---|---|
| January | 49.7 | 72.0 |
| February | 53.9 | 66.0 |
| March | 35.6 | 88.0 |
| April | 30.3 | 78.5 |
| May | 31.0 | 0.0 |
| June | 17.3 | 67.0 |
| July | 16.0 | 72.0 |
| August | 16.8 | 76.9 |
| September | 27.4 | 103.1 |
| October | 23.8 | 104.1 |
| November | 25.8 | 97.7 |
| December | 25.1 | 73.2 |
| Average | 29.4 | 74.9 |

Total Yearly Kilograms:898.5kg

*Table 5 Chemical Usage Summary: Hydrated Lime*

| Month | Average Dosage mg/L | Total kg |
|---|---|---|
| January | 27.6 | 66.9 |
| February | 26.8 | 60.5 |
| March | 27.2 | 82.1 |
| April | 25.0 | 74.9 |
| May | 21.7 | 75.3 |
| June | 21.5 | 94.3 |
| July | 23.7 | 112.1 |
| August | 23.9 | 110.3 |
| September | 18.7 | 74.4 |
| October | 18.7 | 83.7 |
| November | 18.7 | 74.4 |
| December | 18.7 | 54.1 |
| Average | 23.0 | 80.3 |

Total Yearly Kilograms: 963.1kg

*Table 6 Chemical Usage Summary: Coagulant*

| Month | Average Dosage mg/L | Total kg |
|---|---|---|
| January | 24.0 | 58 |
| February | 24.0 | 54 |
| March | 24.0 | 72 |
| April | 27.1 | 81 |
| May | 30.2 | 105 |
| June | 27.2 | 118 |
| July | 27.6 | 131 |
| August | 30.2 | 140 |
| September | 30.2 | 120 |
| October | 30.2 | 135 |
| November | 30.1 | 120 |
| December | 29.5 | 85 |
| Average | 27.9 | 102 |

Total Yearly Kilograms: 1,220kg

*Table 7 Chemical Usage Summary: Sodium Hydroxide*

| Month | Average Dosage mg/L | Total kg |
|---|---|---|
| January | 9.0 | 18 |
| February | 12.0 | 23 |
| March | 8.1 | 20 |
| April | 8.8 | 22 |
| May | 10.5 | 30 |
| June | 8.0 | 29 |
| July | 4.5 | 18 |
| August | 3.7 | 15 |
| September | 5.0 | 17 |
| October | 2.0 | 8 |
| November | 3.6 | 13 |
| December | 2.5 | 7 |
| Average | 6.5 | 18 |

Total Yearly Kilograms: 219kg

*Table 8 Chemical Usage Summary: Chlorine*

| Month | Average Dosage mg/L | Total kg |
|---|---|---|
| January | 5.30 | 10.7 |
| February | 5.30 | 10.2 |
| March | 4.52 | 11.4 |
| April | 4.95 | 12.2 |
| May | 5.97 | 17.1 |
| June | 5.90 | 21.8 |
| July | 4.95 | 20.3 |
| August | 3.97 | 15.9 |
| September | 2.20 | 7.6 |
| October | 2.20 | 8.5 |
| November | 2.20 | 7.8 |
| December | 2.20 | 5.8 |
| Average | 3.84 | 13 |

Total Yearly Kilograms: 149.2kg

## Baysville 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

Michael Currie
Manager of Water and Wastewater Operations

**OPTIONAL ANNUAL REPORT TEMPLATE**

| | |
|---|---|
| **Drinking-Water System Number:** | 260071435 |
| **Drinking-Water System Name:** | Birch Glen Potable Water Plant |
| **Drinking-Water System Owner:** | District Municipality of Muskoka |
| **Drinking-Water System Category:** | Large Municipal Residential |
| **Period being reported:** | January 01 to December 31, 2020 |

***Complete if your Category is Large Municipal Residential or Small Municipal Residential***

**Does your Drinking-Water System serve more than 10,000 people? Yes [ ] No [ X ]**

**Is your annual report available to the public at no charge on a web site on the Internet? Yes [ X ] No [ ]**

**Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.**

District Municipality of Muskoka
70 Pine Street
Bracebridge, Ontario
P1L 1N3
www.muskoka.on.ca

***Complete for all other Categories.***

**Number of Designated Facilities served:**

N.A.

**Did you provide a copy of your annual report to all Designated Facilities you serve?**
**Yes [ ] No [ ]**

**Number of Interested Authorities you report to:** 0

**Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?**
**Yes [ ] No [ ]**

**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 [X ]**

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

**[ X ] Public access/notice via the web**
**[ X ] Public access/notice via Government Office**
**[ X ] Public access/notice via a newspaper**
**[ X ] 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 village of Baysville was commissioned July 1 2006. The treatment process consists of chemically assisted coagulation- flocculation, sedimentation, filtration, and disinfection by chlorination and pH adjustment. The capacity of the plant is 1,100 cubic meters per day. The water source is Lake of Bays. The intake is located about 385 meters offshore.

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

Hydrated Lime, Sodium Hypochlorite, Carbon Dioxide, Sodium Hydroxide and Polyaluminum Chloride. Fluoride discontinued in January 2014.

**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**

**N/A**

**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 |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

**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 |
|---|---|---|---|---|---|
| **Raw** | 52 | 0-16 | 0-340 | N/A | N/A |
| **Treated** | 52 | 0-0 | 0-0 | 52 | 0-10 |
| **Distribution** | 156 | 0-0 | 0-0 | 52 | 0-10 |

**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 |
|---|---|---|---|
| **Turbidity** | 8760 | 0.03-0.22 | 0.09 |
| **Chlorine** | 8760 | 0.97-1.73 | 1.44 |
| **Fluoride** (If the DWS provides fluoridation) | N/A | N/A | N/A |

***NOTE**: For continuous monitors use8760 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 |
|---|---|---|---|---|
| | | | | |
| | | | | |

**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 4/20 | 0.09<MDL | ug/L | No |
| **Arsenic** | May 4/20 | 0.2<MDL | ug/L | No |
| **Barium** | May 4/20 | 12.8 | ug/L | No |
| **Boron** | May 4/20 | 6 | ug/L | No |
| **Cadmium** | May 4/20 | 0.006 | ug/L | No |
| **Chromium** | May 4/20 | 0.16 | ug/L | No |
| ***Lead** | | | ug/L | No |
| **Mercury** | May 4/20 | 0.01<MDL | ug/L | No |
| **Selenium** | May 4/20 | 0.04<MDL | ug/L | No |
| **Sodium** | May 4/20 | 8.74 | mg/L | No |
| **Uranium** | May 4/20 | 0.002<MDL | ug/L | No |
| **Fluoride** | May 4/20 | 0.06<MDL | mg/L | No |
| **Nitrite** | Feb 03/20 | 0.003<MDL | mg/L | No |
| **Nitrate** | Feb 03/20 | 0.140 | mg/L | No |

| | | | | |
|---|---|---|---|---|
| **Nitrite** | May 04/20 | 0.003<MDL | mg/L | No |
| **Nitrate** | May 04/20 | 0.151 | mg/L | No |
| **Nitrite** | Aug 04/20 | 0.003<MDL | mg/L | No |
| **Nitrate** | Aug 04/20 | 0.165 | mg/L | No |
| **Nitrite** | Nov 02/20 | 0.003<MDL | mg/L | No |
| **Nitrate** | Nov 02/20 | 0.098 | 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** | 2 | 0.05-0.18 | 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 04/20 | 0.02<MDL | ug/L | No |
| Atrazine+N-dealkylated Metabolites | May 04/20 | 0.01<MDL | ug/L | No |
| Azinphos-methyl | May 04/20 | 0.05<MDL | ug/L | No |
| Benzene | May 04/20 | 0.32<MDL | ug/L | No |
| Benzo(a)pyrene | May 04/20 | 0.004<MDL | ug/L | No |
| Bromoxynil | May 04/20 | 0.33<MDL | ug/L | No |
| Carbaryl | May 04/20 | 0.05<MDL | ug/L | No |
| Carbofuran | May 04/20 | 0.01<MDL | ug/L | No |
| Carbon Tetrachloride | May 04/20 | 0.17<MDL | ug/L | No |
| Chorpyrifos | May 04/20 | 0.02<MDL | ug/L | No |
| Diazinon | May 04/20 | 0.02<MDL | ug/L | No |
| Dicamba | May 04/20 | 0.20<MDL | ug/L | No |
| 1,2 Dichlorobenzene | May 04/20 | 0.41<MDL | ug/L | No |
| 1,4 Dichlorobenzene | May 04/20 | 0.36<MDL | ug/L | No |
| 1,2 Dichloroethane | May 04/20 | 0.35<MDL | ug/L | No |
| 1,1 Dichloroethylene | May 04/20 | 0.33<MDL | ug/L | No |
| Dichloromethane | May 04/20 | 0.35<MDL | ug/L | No |
| 2,4 Dichlorophenol | May 04/20 | 0.15<MDL | ug/L | No |
| 2,4-D | May 04/20 | 0.19<MDL | ug/L | No |
| Diclofop-Methyl | May 04/20 | 0.40<MDL | ug/L | No |
| Dimethoate | May 04/20 | 0.06<MDL | ug/L | No |
| Diquat | May 04/20 | 1<MDL | ug/L | No |
| Diuron | May 04/20 | 0.03<MDL | ug/L | No |
| Glyphosate | May 04/20 | 1<MDL | ug/L | No |
| Malathion | May 04/20 | 0.02<MDL | ug/L | No |

| | | | | |
|---|---|---|---|---|
| MCPA | May 04/20 | 0.00012<MDL | ug/L | No |
| Metolachor | May 04/20 | 0.01<MDL | ug/L | No |
| Metribuzin | May 04/20 | 0.02<MDL | ug/L | No |
| Monochlorobenzene | May 04/20 | 0.30<MDL | ug/L | No |
| Paraquat | May 04/20 | 1<MDL | ug/L | No |
| Pentachlorophenol | May 04/20 | 0.15<MDL | ug/L | No |
| Phorate | May 04/20 | 0.01<MDL | ug/L | No |
| Picloram | May 04/20 | 1<MDL | ug/L | No |
| PCB | May 04/20 | 0.04<MDL | ug/L | No |
| Prometryne | May 04/20 | 0.03<MDL | ug/L | No |
| Simazine | May 04/20 | 0.01<MDL | ug/L | No |
| **THM** (NOTE: annual average from Distribution – 4 samples) | Samples Taken: Feb.3/20 May 04/20 Aug. 4/20 Nov 2/20 | 46.5 | ug/L | No |
| Terbufos | May 04/20 | 0.01<MDL | ug/L | No |
| Tetrachloroethylene | May 04/20 | 0.35<MDL | ug/L | No |
| 2,3,4,6 - Tetrachlorophenol | May 04/20 | 0.20<MDL | ug/L | No |
| Triallate | May 04/20 | 0.01<MDL | ug/L | No |
| Trichloroethylene | May 04/20 | 0.44<MDL | ug/L | No |
| 2,4,6,- Trichlorophenol | May 04/20 | 0.25<MDL | ug/L | No |
| Trifluralin | May 04/20 | 0.02<MDL | ug/L | No |
| Vinyl Chloride | May 04/20 | 0.17<MDL | ug/L | No |
| HAA5 (Distribution Water) | Samples Taken: | | | |
| | Feb.03/20 | 50.0 | µg/L | No |
| | May 04/20 | 40.8 | µg/L | No |
| | Aug.4/20 | 47.4 | µg/L | No |
| | Nov 02/20 | 31.8 | µg/L | No |
| | RAA | 42.5 | 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 |
|---|---|---|---|
| | | | |
| | | | |