

# 2023 SECTION 11 ANNUAL REPORT

EVERETT  
DRINKING WATER  
SYSTEM



For the period of  
January 1<sup>st</sup>, 2023 to December 31<sup>st</sup>, 2023

Prepared for the Corporation of the Township of Adjala-Tosorontio by the  
Ontario Clean Water Agency



This report was prepared in accordance with the requirements of [O.Reg 170/03, Section 11, Annual reports](#) for the following system and reporting period:

<b>Drinking Water System Number:</b>	220011680
<b>Drinking Water System Name:</b>	Everett Drinking Water System
<b>Drinking Water System Owner:</b>	The Corporation of the Township of Adjala-Tosorontio
<b>Drinking Water System Category:</b>	Large Municipal Residential
<b>Reporting Period:</b>	January 1, 2023 to December 31, 2023

**Does the Drinking Water System serve more than 10,000 people?**

No

**Is the Annual Report available to the public at no charge on a website on the Internet?**

Yes

*Note: If a large municipal residential system serves more than 10,000 people, the owner of the system shall ensure that a copy of every report prepared under this section is available to the public at no charge on a website on the Internet. O. Reg. 170/03, Section 11. (10)*

**Location where Summary Report required under O. Reg 170/03, Schedule 22 will be available for inspection. (O. Reg 170/03, Section 11.(6)(f)):**

- Township of Adjala-Tosorontio Municipal Office, 7855 Side Road 30, Alliston, ON
- <http://www.adjtos.ca>

*Note: This is required for large municipal residential systems or small municipal residential systems.*

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

Drinking Water System Name	Drinking Water System Number
N/A	N/A

**Is a copy of the annual report provided to all Drinking Water System owners that are connected to this system and to whom this system provides all of its drinking water?**

N/A

**How system users are notified that the annual report is available, and is free of charge. (O.Reg 170/03, Section 11.(7))**

- |                                     |  |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Public access/notice via the web           |
| <input checked="" type="checkbox"/> | Public access/notice via Government Office |
| <input type="checkbox"/>            | Public access/notice via a newspaper       |
| <input checked="" type="checkbox"/> | Public access/notice via Public Request    |

Public access/notice via a Public Library

Public access/notice via other method: \_\_\_\_\_

*Note: The owner of a drinking water system shall ensure that a copy of an annual report for the system is given, without charge, to every person who requests a copy. ((O.Reg 170/03, Section 11.(7)):*

**Description of Drinking Water System (O.Reg 170/03, Section 11.(6)(a)):**

The Everett Drinking Water system is classified as a Large Municipal Residential, Class 2 Water Distribution and Supply Subsystem, servicing an approximate population of 1,980 persons through 660 service connections, in the Village of Everett, Township of Adjala-Tosorontio. Water is supplied via three (3) municipal wells, two (2) pumphouses, and one in-ground reservoir.

Grohal Pumphouse

Services well water drawn from two (2) wells PW 1-88 and PW 3-78. Well PW 1-88 serves as the primary production well for the system, with PW 3-78 serving as a stand-by well. Both wells are equipped with a submersible well water pump connected to the well pump header, which are connected to the sodium hypochlorite chemical system (for primary disinfection and secondary disinfection). The pumphouse also contains a treated water flow meter, chlorine residual analyzer, and a hydro-pneumatic pressure tank. Chlorinated water passes through a chlorine contact main before being directed to the distribution system. A stand-by diesel generator is situated outside of the pumphouse and is used to supply the works with power during power failures.

Ballpark Pumphouse

Services well water drawn from one (1) well PW 1-90, equipped with a submersible well pump connected to the well pump header in the pumphouse, which is connected to the sodium hypochlorite chemical system (for primary and secondary disinfection). Chlorinated water passes through a valved four celled, baffled, below-grade contact tank and then a chlorine contact main before being directed to the distribution system. The pumphouse also contains a treated water flow meter and chlorine residual analyzer. A stand-by diesel generator is situated outside of the pumphouse and is used to supply the works with power during power failures.

Distribution System

A two celled below ground reservoir with storage is located off-site of both pumphouses. There are approximately 97 fire hydrants and valves (the system is rated for fire flow), 107 main valves, four sample stations and approximately 13.2 km of distribution watermains, all servicing the Village of Everett.

**List of water treatment chemicals used by the system during the reporting period (O.Reg 170/03, Section 11.(6)(a)):**

- Sodium Hypochlorite 12% Solution

**Significant expenses were incurred to:**

<input checked="" type="checkbox"/>	Install required equipment
<input checked="" type="checkbox"/>	Repair required equipment
<input checked="" type="checkbox"/>	Replace required equipment
<input type="checkbox"/>	No significant expenses were incurred

**Description of major expenses during the reporting period to install, repair or replace required equipment (O.Reg 170/03, Section 11.(6)(e)):**

- Grohal Pumphouse - Replaced sodium hypochlorite day tank and spill containment
- Ballpark Pumphouse – Replaced sodium hypochlorite day tank and spill containment
- Grohal Pumphouse - New pre-chlorine analyzer installed
- Ballpark Pumphouse - New pre-chlorine analyzer installed
- Monitoring Well Probe- Continuous well level recorder Installation
- Distribution System: Blow-off Valve Installation, Hydrant repairs, Hydrant painting and system swabbing
- Ballpark Pumphouse- Soft Start for Well Installation
- Chemical Pump Rebuild Kits- Ballpark and Grohal Pumphouse
- Everett Reservoir- Intrusion Alarm Repair

**Summary of any reports/notices submitted to the Ministry and/or Spills Action Centre in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg 170/03 during the reporting period, including a description of any corrective actions taken under Schedule 17 or 18 (O. Reg 170/03, Section 11.(6)(b),(d)):**

Incident Date (yyyy/mm/dd)	Parameter/ Notice of	Result & Unit	Reporting Summary, Corrective Actions & Resolution
N/A	N/A	N/A	N/A

**Table 1. Microbiological testing done under the Schedule 10, 11 or 12 (as applicable) of O.Reg 170/03 during this reporting period (O.Reg 170/03, Section 11.(6)(c)).**

Location	Number of Samples	Range of E. Coli or Fecal Results		Range of Total Coliform Results		Number of HPC Samples	Range of HPC Samples	
		Min.	Max.	Min.	Max.		Min.	Max.
RW, Well PW 1-88 <sup>1A</sup>	52	0	0	0	9	N/A	N/A	N/A
RW, Well PW 3-78 <sup>1A</sup>	52	0	0	0	45	N/A	N/A	N/A
RW, Well PW 1-90 <sup>1A</sup>	45 <sup>1D</sup>	0	0	0	0	N/A	N/A	N/A
TW1, Grohal <sup>1B</sup>	52	0	0	0	0	52	<10	10
TW2, Ballpark <sup>1B</sup>	52	0	0	0	0	52	<10	20
Distribution <sup>1C</sup>	136	0	0	0	0	53	<10	10

Note: HPC = Heterotrophic Plate Count

Note: Units for E.Coli or Fecal Results are cfu/100 mL, units for Total Coliform Results are cfu/100 mL, units for HPC results are cfu/1mL

<sup>1A</sup>RW = Raw Water. O.Reg 170/03, Schedule 10-4. (1)(3) requires for a large municipal residential system that a water sample is taken at least once every week from the drinking water system’s raw water, before any treatment is applied to the water and tested for E.Coli and total coliforms.

<sup>1B</sup>TW1= Treated Water Grohal Pumphouse; TW2= Treated Water Ballpark Pumphouse. O Reg 170/03, Schedule 10-3 requires for a large municipal residential system that a treated water sample is taken at least once every week and tested for E.Coli, total coliforms and general bacteria population expressed as colony counts on a heterotrophic count (HPC).

<sup>1C</sup>O.Reg 170/03 Schedule 10-2.(1)(2)(3) requires that a system that serves 100,000 people or less, at least eight distribution samples, plus one additional distribution sample for every 1,000 people served by the system, are taken every month, with at least one of the samples being taken in each week and that each of the samples taken is tested for E.Coli, Total Coliforms. At least 25 percent of the samples required must be tested for general bacteria population expressed as colony counts on heterotrophic plate count (HPC). As of 2023, the population of Everett DWS is 1,980 persons (as confirmed by the owner November 9, 2022) and thus requires at the minimum nine (9) monthly distribution samples.

<sup>1D</sup>Weekly raw water samples were not taken at Well PW 1-90-Ballpark Production well between January 1 and February 13, 2023 as the well was offline for below grade well inspections and maintenance.

**Table 2. Operational testing done under Schedule 7, 8 or 9 (as applicable) O. Reg 170/03 during the period covered by this Annual Report (O. Reg 170/03, Section 11.(6)(c)).**

Parameter & Location	Number of Samples	Range of Results	
		Min.	Max.
Turbidity, In-House (NTU) – RW, PW 1-88 <sup>2A</sup>	12	0.18	0.69
Turbidity, In-House (NTU) – RW, PW 3-78 <sup>2A</sup>	12	0.38	0.83
Turbidity, In-House (NTU) – RW, PW 1-90 <sup>2A</sup>	10 <sup>2D</sup>	0.34	1.03
Free Chlorine Residual, On-Line (mg/L) – TW1- Grohal <sup>2B</sup>	8760	0.02 <sup>2E</sup>	3.29
Free Chlorine Residual, On-Line (mg/L) – TW2- Ballpark <sup>2B</sup>	8760	0.00 <sup>2F</sup>	4.07
Free Chlorine Residual, Distribution (mg/L) – DW <sup>2C</sup>	364	0.49	2.40

Note: The number of samples used for continuous monitoring units is 8760.

<sup>2A</sup>O.Reg 170/03 Schedule 7-3.(1)(1.1) requires a raw water sample be taken at least once every month from each well that is supplying water to the system and tested for turbidity.

<sup>2B</sup>O.Reg 170/03 Schedule 7-2.(1) requires a drinking water system that provides chlorination for primary disinfection to sample and test for free chlorine residual with continuous monitoring equipment in the treatment process at or near a location where the intended contact time has just been completed.

<sup>2C</sup>O.Reg 170/03 Schedule 7-2.(3) requires a large municipal residential system that provides secondary disinfection to take at least seven distribution samples each week and immediately tested for free chlorine residual, if the system provides chlorination and does not provide chloramination

<sup>2D</sup>There were no monthly raw water turbidity samples collected for Well PW 1-90-Ballpark Production Well in January and February, 2023 as the well was offline for below grade well inspections and maintenance.

<sup>2E</sup>July 6, 2023 - Low Chlorine treated water free chlorine residual caused a low chlorine alarm due to a Sodium hypochlorite pump failure. The wells locked out on low residual. No AWQI as well locked out and CT was met pre-lockout. System flushed as a best practice.

<sup>2F</sup>October 12, 2023 - Low treated water free Chlorine residual occurred while the pumphouse was isolated from the system for additional testing and sampling. All water was being flushed to waste as a result of a monitoring well incident- see Schedule 22 Summary Report for more information.

**Table 3. Summary of additional testing and sampling results carried out in accordance with the requirement of an approval, municipal drinking water licence or order (including OWRA) or other legal instrument during the reporting period and if tests required under this Regulation in respect of a parameter were not required during that period, summarize the most recent results of tests of that parameter (O. Reg 170/03, Section 11.(6)(c)):**

Legal Instrument & Issue Date (yyyy/mm/dd)	Sample Location & Parameter	Sampling Frequency	Allowable Result	Actual Result
N/A	N/A	N/A	N/A	N/A

**Table 4. Summary of Inorganic parameters tested during this reporting period or the most recent sample results (O.Reg 170/03, Section 11.(6)(c))**

Parameter & Location	Sample Date <sup>4A</sup> (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Antimony: Sb (µg/L) – TW1	2023/01/23	<MDL 0.6	6.0	No
Antimony: Sb (µg/L) – TW2	2023/01/23	<MDL 0.6	6.0	No
Arsenic: As (µg/L) – TW1	2023/01/23	0.5	10.0	No
Arsenic: As (µg/L) – TW2	2023/01/23	<MDL 0.2	10.0	No
Barium: Ba (µg/L) – TW1	2023/01/23	82.2	1000.0	No
Barium: Ba (µg/L) – TW2	2023/01/23	81.4	1000.0	No
Boron: B (µg/L) – TW1	2023/01/23	22.0	5000.0	No
Boron: B (µg/L) – TW2	2023/01/23	23.0	5000.0	No
Cadmium: Cd (µg/L) – TW1	2023/01/23	<MDL 0.003	5.0	No
Cadmium: Cd (µg/L) – TW2	2023/01/23	<MDL 0.003	5.0	No
Chromium: Cr (µg/L) – TW1	2023/01/23	0.13	50.0	No
Chromium: Cr (µg/L) – TW2	2023/01/23	0.15	50.0	No
Mercury: Hg (µg/L) – TW1	2023/01/23	<MDL 0.01	1.0	No
Mercury: Hg (µg/L) – TW2	2023/01/23	<MDL 0.01	1.0	No
Selenium: Se (µg/L) – TW1	2023/01/23	<MDL 0.04	50.0	No
Selenium: Se (µg/L) – TW2	2023/01/23	<MDL 0.04	50.0	No

Parameter & Location	Sample Date <sup>4A</sup> (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Uranium: U (µg/L) – TW1	2023/01/23	0.109	20.0	No
Uranium: U (µg/L) – TW2	2023/01/23	0.114	20.0	No
Fluoride (mg/L) – TW1	2022/01/13 <sup>4B</sup>	0.13	1.5	No
Fluoride (mg/L) – TW2	2022/01/13 <sup>4B</sup>	0.15	1.5	No
Nitrite (mg/L) – TW1	2023/01/23	<MDL 0.003	1.0	No
Nitrite (mg/L) – TW1	2023/04/17	<MDL 0.003	1.0	No
Nitrite (mg/L) – TW1	2023/07/24	<MDL 0.003	1.0	No
Nitrite (mg/L) – TW1	2023/10/16	<MDL 0.003	1.0	No
Nitrite (mg/L) – TW2	2023/01/23	<MDL 0.003	1.0	No
Nitrite (mg/L) – TW2	2023/04/17	<MDL 0.003	1.0	No
Nitrite (mg/L) – TW2	2023/07/24	<MDL 0.003	1.0	No
Nitrite (mg/L) – TW2	2023/10/16	<MDL 0.003	1.0	No
Nitrate (mg/L) – TW1	2023/01/23	<MDL 0.006	10.0	No
Nitrate (mg/L) – TW1	2023/04/17	0.01	10.0	No
Nitrate (mg/L) – TW1	2023/07/24	<MDL 0.006	10.0	No
Nitrate (mg/L) – TW1	2023/10/16	<MDL 0.006	10.0	No
Nitrate (mg/L) – TW2	2023/01/23	<MDL 0.006	10.0	No
Nitrate (mg/L) – TW2	2023/04/17	0.016	10.0	No
Nitrate (mg/L) – TW2	2023/07/24	<MDL 0.006	10.0	No
Nitrate (mg/L) – TW2	2023/10/16	0.018	10.0	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Aesthetic Objective (AO)	Exceedance	
				AO	> 20 mg/L
Sodium: Na (mg/L) – TW1	2022/01/13 <sup>4C</sup>	10.4	200	No	No
Sodium: Na (mg/L) – TW2	2022/01/13 <sup>4C</sup>	14.3	200	No	No

Note: MDL = Minimum Detection Limit, TW = Treated Water

<sup>4A</sup>Inorganic Parameters (Schedule 23) are required to be tested every 36 months for a large municipal residential system, if the system obtains water from a raw water source that is ground water (O. Reg 170/03 Schedule 13-2(b)). The last set of samples was collected and tested in 2023, the next set of samples is scheduled to be collected and tested in 2026.

<sup>4B</sup>Fluoride is reportable every 60 months. The most recent Fluoride samples were tested in 2022, the next set of samples is scheduled to be tested in 2027.

<sup>4C</sup>Sodium is reportable every 60 months. The most recent Sodium samples were tested in 2022, the next set of samples is scheduled to be tested in 2027.

Note: There is no regulatory Maximum Allowable Concentration (MAC) Sodium. The aesthetic objective (AO) for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified

when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.

**Table 5: Summary of lead testing under Schedule 15.1 during this reporting period (O.Reg 170/03, Section 11.(6)(g))**

Location/Type & Parameter	Number of Samples <sup>5A</sup>	Range of Results		Number of Lead Exceedances
		Min.	Max.	MAC = 10 µ/L
<b>Period: January 1 to April 15</b>				
Plumbing – Lead (µg/L) <sup>5B</sup>	N/A	N/A	N/A	0
Distribution – Lead (µg/L) <sup>5C</sup>	N/A	N/A	N/A	0
Distribution – Alkalinity (mg/L as CaCO <sub>3</sub> )	2	196	198	N/A
Distribution – pH	2	7.76	7.87	N/A
<b>Period: June 15 to October 15</b>				
Plumbing – Lead (µg/L) <sup>5B</sup>	N/A	N/A	N/A	0
Distribution – Lead (µg/L) <sup>5C</sup>	N/A	N/A	N/A	0
Distribution – Alkalinity (mg/L as CaCO <sub>3</sub> )	2	177	196	N/A
Distribution – pH	2	7.66	7.85	N/A
<b>Period: December 15 to 31</b>				
Plumbing – Lead (µg/L) <sup>5B</sup>	N/A	N/A	N/A	0
Distribution – Lead (µg/L) <sup>5C</sup>	N/A	N/A	N/A	0
Distribution – Alkalinity (mg/L as CaCO <sub>3</sub> )	N/A	N/A	N/A	N/A
Distribution - pH	N/A	N/A	N/A	N/A

Note: this is required for large municipal residential systems, small municipal residential systems or non-municipal year-round residential system. (O.Reg 170/03, Section 11.(6)(g))

<sup>5A</sup>The number of sampling points for the system is based on the population served by the system. The number of people served by the system is 1,980 persons (as confirmed with the Owner on November 9, 2022) and therefore requires two (2) distribution sampling points per sampling period.

<sup>5B</sup>Plumbing samples are not applicable as this system qualifies for the plumbing exemption per O. Reg 170/03 Schedule 15.1-5 (9) (10).

<sup>5C</sup>This system follows a reduced sampling schedule (O.Reg 170/03, Section 15.1.5). Distribution lead samples are collected every 36 months. The most recent set of distribution lead samples were collected within the winter period of December 15, 2020 to April 15, 2021 and summer period of June 15, 2021 to October 15, 2021. The next set of distribution lead samples is scheduled to be collected within the winter period of December 15, 2023 to April 15, 2024 and summer period of June 15, 2024 to October 15, 2024.



**Table 6: Summary of Organic parameters sampled during this reporting period or the most recent sample results (O.Reg 170/03, Section 11.(6)(c)).**

Parameter & Location	Sample Date <sup>6A</sup> (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Alachlor (µg/L) - TW1	2023/01/23	<MDL 0.02	5.0	No
Alachlor (µg/L) - TW2	2023/01/23	<MDL 0.02	5.0	No
Atrazine + N-dealkylated metabolites (µg/L) - TW1	2023/01/23	<MDL 0.01	5.0	No
Atrazine + N-dealkylated metabolites (µg/L) - TW2	2023/01/23	<MDL 0.01	5.0	No
Azinphos-methyl (µg/L) - TW1	2023/01/23	<MDL 0.05	20.0	No
Azinphos-methyl (µg/L) - TW2	2023/01/23	<MDL 0.05	20.0	No
Benzene (µg/L) - TW1	2023/01/23	<MDL 0.32	1.0	No
Benzene (µg/L) - TW2	2023/01/23	<MDL 0.32	1.0	No
Benzo(a)pyrene (µg/L) - TW1	2023/01/23	<MDL 0.004	0.01	No
Benzo(a)pyrene (µg/L) - TW2	2023/01/23	<MDL 0.004	0.01	No
Bromoxynil (µg/L) - TW1	2023/01/23	<MDL 0.33	5.0	No
Bromoxynil (µg/L) - TW2	2023/01/23	<MDL 0.33	5.0	No
Carbaryl (µg/L) - TW1	2023/01/23	<MDL 0.05	90.0	No
Carbaryl (µg/L) - TW2	2023/01/23	<MDL 0.05	90.0	No
Carbofuran (µg/L) - TW1	2023/01/23	<MDL 0.01	90.0	No
Carbofuran (µg/L) - TW2	2023/01/23	<MDL 0.01	90.0	No
Carbon Tetrachloride (µg/L) - TW1	2023/01/23	<MDL 0.17	2.0	No
Carbon Tetrachloride (µg/L) - TW2	2023/01/23	<MDL 0.17	2.0	No
Chlorpyrifos (µg/L) - TW1	2023/01/23	<MDL 0.02	90.0	No
Chlorpyrifos (µg/L) - TW2	2023/01/23	<MDL 0.02	90.0	No
Diazinon (µg/L) - TW1	2023/01/23	<MDL 0.02	20.0	No
Diazinon (µg/L) - TW2	2023/01/23	<MDL 0.02	20.0	No
Dicamba (µg/L) - TW1	2023/01/23	<MDL 0.2	120.0	No
Dicamba (µg/L) - TW2	2023/01/23	<MDL 0.2	120.0	No
1,2-Dichlorobenzene (µg/L) - TW1	2023/01/23	<MDL 0.41	200.0	No
1,2-Dichlorobenzene (µg/L) - TW2	2023/01/23	<MDL 0.41	200.0	No
1,4-Dichlorobenzene (µg/L) - TW1	2023/01/23	<MDL 0.36	5.0	No
1,4-Dichlorobenzene (µg/L) - TW2	2023/01/23	<MDL 0.36	5.0	No
1,2-Dichloroethane (µg/L) - TW1	2023/01/23	<MDL 0.35	5.0	No
1,2-Dichloroethane (µg/L) - TW2	2023/01/23	<MDL 0.35	5.0	No
1,1-Dichloroethylene (µg/L) - TW1	2023/01/23	<MDL 0.33	14.0	No
1,1-Dichloroethylene (µg/L) - TW2	2023/01/23	<MDL 0.33	14.0	No
Dichloromethane (Methylene Chloride) (µg/L) - TW1	2023/01/23	<MDL 0.35	50.0	No
Dichloromethane (Methylene Chloride) (µg/L) - TW2	2023/01/23	<MDL 0.35	50.0	No
2,4-Dichlorophenol (µg/L) - TW1	2023/01/23	<MDL 0.15	900.0	No

Drinking Water System Regulation: O. Reg 170/03  
Section 11 Annual Report: January 1, 2023 to December 31, 2023  
Township of Adjala-Tosorontio: Everett Drinking Water System

Parameter & Location	Sample Date <sup>6A</sup> (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
2,4-Dichlorophenol (µg/L) - TW2	2023/01/23	<MDL 0.15	900.0	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (µg/L) - TW1	2023/01/23	<MDL 0.19	100.0	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (µg/L) - TW2	2023/01/23	<MDL 0.19	100.0	No
Diclofop-methyl (µg/L) - TW1	2023/01/23	<MDL 0.4	9.0	No
Diclofop-methyl (µg/L) - TW2	2023/01/23	<MDL 0.4	9.0	No
Dimethoate (µg/L) - TW1	2023/01/23	<MDL 0.06	20.0	No
Dimethoate (µg/L) - TW2	2023/01/23	<MDL 0.06	20.0	No
Diquat (µg/L) - TW1	2023/01/23	<MDL 1.0	70.0	No
Diquat (µg/L) - TW2	2023/01/23	<MDL 1.0	70.0	No
Diuron (µg/L) - TW1	2023/01/23	<MDL 0.03	150.0	No
Diuron (µg/L) - TW2	2023/01/23	<MDL 0.03	150.0	No
Glyphosate (µg/L) - TW1	2023/01/23	<MDL 1.0	280.0	No
Glyphosate (µg/L) - TW2	2023/01/23	<MDL 1.0	280.0	No
Malathion (µg/L) - TW1	2023/01/23	<MDL 0.02	190.0	No
Malathion (µg/L) - TW2	2023/01/23	<MDL 0.02	190.0	No
Metolachlor (µg/L) - TW1	2023/01/23	<MDL 0.01	50.0	No
Metolachlor (µg/L) - TW2	2023/01/23	<MDL 0.01	50.0	No
Metribuzin (µg/L) - TW1	2023/01/23	<MDL 0.02	80.0	No
Metribuzin (µg/L) - TW2	2023/01/23	<MDL 0.02	80.0	No
Monochlorobenzene (Chlorobenzene) (µg/L) - TW1	2023/01/23	<MDL 0.3	80.0	No
Monochlorobenzene (Chlorobenzene) (µg/L) - TW2	2023/01/23	<MDL 0.3	80.0	No
Paraquat (µg/L) - TW1	2023/01/23	<MDL 1.0	10.0	No
Paraquat (µg/L) - TW2	2023/01/23	<MDL 1.0	10.0	No
PCB (µg/L) - TW1	2023/01/23	<MDL 0.04	3.0	No
PCB (µg/L) - TW2	2023/01/23	<MDL 0.04	3.0	No
Pentachlorophenol (µg/L) - TW1	2023/01/23	<MDL 0.15	60.0	No
Pentachlorophenol (µg/L) - TW2	2023/01/23	<MDL 0.15	60.0	No
Phorate (µg/L) - TW1	2023/01/23	<MDL 0.01	2.0	No
Phorate (µg/L) - TW2	2023/01/23	<MDL 0.01	2.0	No
Picloram (µg/L) - TW1	2023/01/23	<MDL 1.0	190.0	No
Picloram (µg/L) - TW2	2023/01/23	<MDL 1.0	190.0	No
Prometryne (µg/L) - TW1	2023/01/23	<MDL 0.03	1.0	No
Prometryne (µg/L) - TW2	2023/01/23	<MDL 0.03	1.0	No
Simazine (µg/L) - TW1	2023/01/23	<MDL 0.01	10.0	No
Simazine (µg/L) - TW2	2023/01/23	<MDL 0.01	10.0	No
Terbufos (µg/L) - TW1	2023/01/23	<MDL 0.01	1.0	No
Terbufos (µg/L) - TW2	2023/01/23	<MDL 0.01	1.0	No

Parameter & Location	Sample Date <sup>6A</sup> (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Tetrachloroethylene (µg/L) - TW1	2023/01/23	<MDL 0.35	10.0	No
Tetrachloroethylene (µg/L) - TW2	2023/01/23	<MDL 0.35	10.0	No
2,3,4,6-Tetrachlorophenol (µg/L) - TW1	2023/01/23	<MDL 0.2	100.0	No
2,3,4,6-Tetrachlorophenol (µg/L) - TW2	2023/01/23	<MDL 0.2	100.0	No
Triallate (µg/L) - TW1	2023/01/23	<MDL 0.01	230.0	No
Triallate (µg/L) - TW2	2023/01/23	<MDL 0.01	230.0	No
Trichloroethylene (µg/L) - TW1	2023/01/23	<MDL 0.44	5.0	No
Trichloroethylene (µg/L) - TW2	2023/01/23	<MDL 0.44	5.0	No
2,4,6-Trichlorophenol (µg/L) - TW1	2023/01/23	<MDL 0.25	5.0	No
2,4,6-Trichlorophenol (µg/L) - TW2	2023/01/23	<MDL 0.25	5.0	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW1	2023/01/23	<MDL 0.12	100.0	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW2	2023/01/23	<MDL 0.12	100.0	No
Trifluralin (µg/L) - TW1	2023/01/23	<MDL 0.02	45.0	No
Trifluralin (µg/L) - TW2	2023/01/23	<MDL 0.02	45.0	No
Vinyl Chloride (µg/L) - TW1	2023/01/23	<MDL 0.17	1.0	No
Vinyl Chloride (µg/L) - TW2	2023/01/23	<MDL 0.17	1.0	No
Trihalomethane: Total (µg/L) Annual Average – DW	2023 (Quarterly)	9.025	100.0	No
HAA Total (µg/L) Annual Average - DW	2023 (Quarterly)	<MDL 5.3	80.0	No

Note: TW = Treated Water, DW = Distribution Water, MDL = Minimum Detection Limit, MAC = Maximum Allowable Concentration, HAA = Haloacetic Acids

Note: TW1 = Grohal Pumphouse; TW2 = Ballpark Pumphouse

<sup>6A</sup>Organic Parameters (Schedule 24) are required to be tested every 36 months for a large municipal residential system, if the system obtains water from a raw water supply that is ground water (O. Reg 170/03 Schedule 13-4.(1b)). The last set of samples was collected and tested in 2023, the next set of samples is scheduled to be collected and tested in 2026.

**Table 7: List of Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards for the reporting period.**

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result
N/A	N/A	N/A