

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 Essa by the Ontario Clean Water Agency





Section 11 Annual Report: January 1, 2023 to December 31, 2023

The Corporation of the Township of Essa: Thornton (Glen Avenue) Drinking Water System

This report was prepared in accordance with the requirements of <u>O.Reg 170/03, Section 11</u>, <u>Annual reports</u> for the following system and reporting period:

Drinking Water System Number:	220006945
Drinking Water System Name:	Thornton (Glen Avenue) Drinking Water System
Drinking Water System Owner:	The Corporation of the Township of Essa
Drinking Water System Category:	Large Municipal Residential
Reporting Period:	January 1, 2023 to December 31, 2023

#### Does your Drinking Water System serve more than 10,000 people?

No

#### Is your 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)(5)):

- Hard copy available for public viewing at the Township of Essa Municipal Office at 5786
   Simcoe County Road 21, Utopia, Essa Township, ON, LOM1TO
- http://www.essatownship.on.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 your system:

<b>Drinking Water System Name</b>	Drinking Water System Number
N/A	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?

/ .		
N/A		
IV/A		
• • • • • • • • • • • • • • • • • • • •		

How system users are notified that the annual report is available, and is free of charge:

Χ	Public access/notice via the web
.,	D 1.11.

Public access/notice via Government Office

Public access/notice via a newspaper

Drinking Water System Regulation: O. Reg 170/03 Section 11 Annual Report: January 1, 2023 to December 31, 2023 The Corporation of the Township of Essa: Thornton (Glen Avenue) Drinking Water System
X 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 Thornton (Glen Avenue) Drinking water system is classified as a Class II Water Distribution and Supply Subsystem and categorized as a Large Municipal Residential Drinking Water System servicing an approximate population of 1,550 persons via 519 residential service connections on Glen Avenue in the Hamlet of Thornton, Township of Essa. The system is comprised of one pumphouse which draws water from four groundwater wells.
Raw water is supplied from four drilled groundwater wells (Well #1, Well #2, Well #3 and Well #4) to the Glen Avenue pumphouse and is treated with sodium hypochlorite (for primary and secondary disinfection). Treated water is pumped to two (2) fused glass-lined bolted steel above-ground storage tanks. Water is then pumped from the storage tanks to the distribution system using four high lift pumps. Online equipment continuously monitors and records free chlorine residual and flowrates. The pumphouse is also equipped with standby generator in the event of a power failure.
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:
X Install required equipment
X Repair required equipment  X Replace required equipment

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

- Diesel Generator Repairs
- Chemical pump rebuild kits
- Addition of Sodium Silicate (for Iron Sequestration)- Approved Works to be completed/commissioned in 2024
- Distribution System: Waterline Repairs

No significant expenses were incurred

 Distribution System: installation of Automatic Watermain Flushing System and Yard Hydrant Section 11 Annual Report: January 1, 2023 to December 31, 2023

The Corporation of the Township of Essa: Thornton (Glen Avenue) Drinking Water System

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	Summary of Reporting, Corrective Actions & Resolution
2023/07/28	Treated Water: Sodium	43.8 mg/L	<ul> <li>AWQI #1162827 – Treated water sodium concentration exceedance. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L.</li> <li>Reportable as an adverse quality incident under O.Reg 170/03, Schedule 16(8) when a result indicating that the concentration of sodium exceeds 20 milligrams per litre in a sample of drinking water, if a report under subsection 18 (1) of the Act has not be made in the respect of sodium in the preceding 57 months.</li> <li>Laboratory reported exceedance to OCWA on July 28, 2023. OCWA notified SAC, local Health Unit and MECP on July 28, 2023.</li> <li>As per O.Reg 170/03, Schedule 17-13, resamples were collected on July 28, 2023.</li> <li>Resample results received on August 4, 2023- 40.3 mg/L. No addition actions required by the MOH or MECP.</li> <li>Written notice of resolution submitted on 2023/08/08. No further actions required.</li> </ul>

Table 1. Microbiological testing done under the Schedule 11 of Regulation 170/03 during this reporting period (O.Reg 170/03, Section 11.(6)(c)).

Location	Number of	Range Coli or Resu	Fecal	_		n Results of HPC Samples		
	Samples	Min.	Max.	Min.	Max.	Samples	Min.	Max.
RW <sup>1A</sup> , Well 1	52	0	0	0	73	N/A	N/A	N/A
RW <sup>1A</sup> , Well 2	52	0	0	0	0	N/A	N/A	N/A
RW <sup>1A</sup> , Well 3	52	0	0	0	2	N/A	N/A	N/A
RW <sup>1A</sup> , Well 4	52	0	0	0	3	N/A	N/A	N/A
Treated Water <sup>1B</sup>	52	0	0	0	0	52	<10	50
Distribution <sup>1C</sup>	124	0	0	0	0	52	<10	10

Note: HPC = Heterotrophic Plate Count

Section 11 Annual Report: January 1, 2023 to December 31, 2023

The Corporation of the Township of Essa: Thornton (Glen Avenue) Drinking Water System

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>18</sup>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 Thornton is 1,550 persons (as confirmed by the owner on November 9, 2022) and thus requires at the minimum nine (9) monthly distribution samples.

Table 2. Operational testing done under Schedule 7 of Regulation 170/03 during the period covered by this Annual Report (O. Reg 170/03, Section 11.(6)(c)).

Dovometer 9 Lecation	Number of	Range of Results		
Parameter & Location	Samples	Min.	Max.	
Turbidity, Raw Water, Well 1 (Grab) [NTU] <sup>2A</sup>	12	0.07	0.95	
Turbidity, Raw Water, Well 2 (Grab) [NTU] <sup>2A</sup>	12	0.36	0.86	
Turbidity, Raw Water, Well 3 (Grab) [NTU] <sup>2A</sup>	12	0.10	0.90	
Turbidity, Raw Water, Well 4 (Grab) [NTU] <sup>2A</sup>	12	0.15	0.89	
Free Chlorine Residual, On-line [mg/L]-TW <sup>2B</sup>	8760	0.45	1.75	
Free Chlorine Residual, Distribution [mg/L]- DW <sup>2C</sup>	363 <sup>D</sup>	0.82	1.76	

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

 $<sup>^{2</sup>A}$ 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>&</sup>lt;sup>28</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>&</sup>lt;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>&</sup>lt;sup>2D</sup>November 2023, only 6 distribution samples were collected each week and immediately tested for free chlorine residual. This non-compliance was reported to the MECP on November 20, 2023. Please see Table 2 in the 2023 Schedule 22- Summary Report for more information.

Section 11 Annual Report: January 1, 2023 to December 31, 2023

The Corporation of the Township of Essa: Thornton (Glen Avenue) Drinking Water System

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. (O. Reg 170/03, Schedule 11.(6)(c))

Legal Instrument	Sample Location & Parameter	Sampling	Allowable	Actual
& Issue Date		Frequency	Result	Result
(yyyy/mm/dd)				
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, Schedule 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) - TW	2021/01/26	<mdl 0.9<="" td=""><td>6.0</td><td>No</td></mdl>	6.0	No
Arsenic: As (μg/L) - TW	2021/01/26	0.2	10.0	No
Barium: Ba (μg/L) - TW	2021/01/26	84.2	1000.0	No
Boron: B (μg/L) - TW	2021/01/26	35.0	5000.0	No
Cadmium: Cd (µg/L) - TW	2021/01/26	<mdl 0.003<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
Chromium: Cr (μg/L) - TW	2021/01/26	0.62	50.0	No
Mercury: Hg (μg/L) - TW	2021/01/26	<mdl 0.01<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Selenium: Se (μg/L) - TW	2021/01/26	0.05	50.0	No
Uranium: U (μg/L) - TW	2021/01/26	0.539	20.0	No
Fluoride (mg/L) - TW	2023/07/28 <sup>4B</sup>	0.14	1.5	No
Nitrite (mg/L) – TW	2023/01/23	<mdl 0.003<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Nitrite (mg/L) – TW	2023/04/17	<mdl 0.003<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Nitrite (mg/L) – TW	2023/07/24	<mdl 0.003<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Nitrite (mg/L) – TW	2023/10/16	<mdl 0.003<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Nitrate (mg/L) – TW	2023/01/23	1.85	10.0	No
Nitrate (mg/L) – TW	2023/04/17	1.83	10.0	No
Nitrate (mg/L) – TW	2023/07/24	1.76	10.0	No
Nitrate (mg/L) - TW	2023/10/16	1.77	10.0	No

	Sample Date	Sample	Aesthetic	Exceedance	
Parameter & Location	ocation Sample Date (yyyy/mm/dd) Result		Objective (AO)	АО	> 20 mg/L
Sodium: Na (mg/L) – TW	2023/07/24 <sup>4C</sup>	43.8	200	No	Yes <sup>4D</sup>
Sodium: Na (mg/L) – TW	2023/07/28 <sup>4C</sup>	40.3	200	No	Yes <sup>4D</sup>

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

Section 11 Annual Report: January 1, 2023 to December 31, 2023

The Corporation of the Township of Essa: Thornton (Glen Avenue) Drinking Water System

<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 2021, the next set of samples is scheduled to be collected and tested in 2024.

<sup>4B</sup>Fluoride is reportable every 60 months. The most recent Fluoride samples were tested in 2023, the next set of samples is scheduled to be tested in 2028.

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.

<sup>4C</sup>Sodium is reportable every 60 months. The most recent Sodium samples were tested in 2023, the next set of samples is scheduled to be tested in 2028.

<sup>4D</sup>On July 28, 2023 adverse water quality incident #162827 was reported to the Spills Action Centre, Ministry of Health and Ministry of the Environment, Conservation, and Parks for a treated water sodium exceedance of 43.8 mg/L. A resample was taken on July 28, 2023 as per the corrective actions outlined in O.Reg170/03 Schedule 17(3) and resample results were 40.3 mg/L. See table "Summary of any reports/notices submitted to the Ministry and/or Spills Action Centre" for more details.

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	1	ge of ults	Number of Lead Exceedances	
	Samples <sup>5A</sup>	Min.	Max.	(MAC = 10 μ/L)	
Period: Jan	uary 1 to Apri	l 15			
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	223	224	N/A	
Distribution – pH	2	7.20	7.28	N/A	
Period: June	e 15 to Octobe	r 15			
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	215	216	N/A	
Distribution – pH	2	7.18	7.21	N/A	
Period: De	ecember 15 to	31			
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))

Section 11 Annual Report: January 1, 2023 to December 31, 2023

The Corporation of the Township of Essa: Thornton (Glen Avenue) Drinking Water System

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 (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Alachlor (μg/L) - TW	2021/01/26	<mdl 0.02<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
Atrazine + N-dealkylated metabolites (μg/L) - TW	2021/01/26	<mdl 0.01<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
Azinphos-methyl (μg/L) - TW	2021/01/26	<mdl 0.05<="" td=""><td>20.0</td><td>No</td></mdl>	20.0	No
Benzene (μg/L) - TW	2021/01/26	<mdl 0.32<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Benzo(a)pyrene (μg/L) - TW	2021/01/26	<mdl 0.004<="" td=""><td>0.01</td><td>No</td></mdl>	0.01	No
Bromoxynil (μg/L) - TW	2021/01/26	<mdl 0.33<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
Carbaryl (μg/L) - TW	2021/01/26	<mdl 0.05<="" td=""><td>90.0</td><td>No</td></mdl>	90.0	No
Carbofuran (μg/L) - TW	2021/01/26	<mdl 0.01<="" td=""><td>90.0</td><td>No</td></mdl>	90.0	No
Carbon Tetrachloride (µg/L) - TW	2021/01/26	<mdl 0.17<="" td=""><td>2.0</td><td>No</td></mdl>	2.0	No
Chlorpyrifos (μg/L) - TW	2021/01/26	<mdl 0.02<="" td=""><td>90.0</td><td>No</td></mdl>	90.0	No
Diazinon (μg/L) - TW	2021/01/26	<mdl 0.02<="" td=""><td>20.0</td><td>No</td></mdl>	20.0	No
Dicamba (μg/L) - TW	2021/01/26	<mdl 0.2<="" td=""><td>120.0</td><td>No</td></mdl>	120.0	No
1,2-Dichlorobenzene (μg/L) - TW	2021/01/26	<mdl 0.41<="" td=""><td>200.0</td><td>No</td></mdl>	200.0	No
1,4-Dichlorobenzene (μg/L) - TW	2021/01/26	<mdl 0.36<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
1,2-Dichloroethane (μg/L) - TW	2021/01/26	<mdl 0.35<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
1,1-Dichloroethylene (μg/L) - TW	2021/01/26	<mdl 0.33<="" td=""><td>14.0</td><td>No</td></mdl>	14.0	No
Dichloromethane (Methylene Chloride) (μg/L) - TW	2021/01/26	<mdl 0.35<="" td=""><td>50.0</td><td>No</td></mdl>	50.0	No
2,4-Dichlorophenol (μg/L) - TW	2021/01/26	<mdl 0.15<="" td=""><td>900.0</td><td>No</td></mdl>	900.0	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW	2021/01/26	<mdl 0.19<="" td=""><td>100.0</td><td>No</td></mdl>	100.0	No
Diclofop-methyl (μg/L) - TW	2021/01/26	<mdl 0.4<="" td=""><td>9.0</td><td>No</td></mdl>	9.0	No
Dimethoate (μg/L) - TW	2021/01/26	<mdl 0.06<="" td=""><td>20.0</td><td>No</td></mdl>	20.0	No
Diquat (μg/L) - TW	2021/01/26	<mdl 1.0<="" td=""><td>70.0</td><td>No</td></mdl>	70.0	No
Diuron (μg/L) - TW	2021/01/26	<mdl 0.03<="" td=""><td>150.0</td><td>No</td></mdl>	150.0	No
Glyphosate (μg/L) - TW	2021/01/26	1.0	280.0	No

<sup>&</sup>lt;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 1,550 persons (as confirmed with the Owner on November 9, 2022) and therefore requires two (2) distribution sampling points per sampling period.

<sup>&</sup>lt;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>&</sup>lt;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.

Section 11 Annual Report: January 1, 2023 to December 31, 2023

The Corporation of the Township of Essa: Thornton (Glen Avenue) Drinking Water System

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Malathion (μg/L) - TW	2021/01/26	<mdl 0.02<="" td=""><td>190.0</td><td>No</td></mdl>	190.0	No
Metolachlor (μg/L) - TW	2021/01/26	<mdl 0.01<="" td=""><td>50.0</td><td>No</td></mdl>	50.0	No
Metribuzin (μg/L) - TW	2021/01/26	<mdl 0.02<="" td=""><td>80.0</td><td>No</td></mdl>	80.0	No
Monochlorobenzene (Chlorobenzene) (μg/L) - TW	2021/01/26	<mdl 0.3<="" td=""><td>80.0</td><td>No</td></mdl>	80.0	No
Paraquat (μg/L) - TW	2021/01/26	<mdl 1.0<="" td=""><td>10.0</td><td>No</td></mdl>	10.0	No
PCB (μg/L) - TW	2021/01/26	<mdl 0.04<="" td=""><td>3.0</td><td>No</td></mdl>	3.0	No
Pentachlorophenol (μg/L) - TW	2021/01/26	<mdl 0.15<="" td=""><td>60.0</td><td>No</td></mdl>	60.0	No
Phorate (μg/L) - TW	2021/01/26	<mdl 0.01<="" td=""><td>2.0</td><td>No</td></mdl>	2.0	No
Picloram (μg/L) - TW	2021/01/26	<mdl 1.0<="" td=""><td>190.0</td><td>No</td></mdl>	190.0	No
Prometryne (μg/L) - TW	2021/01/26	<mdl 0.03<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Simazine (μg/L) - TW	2021/01/26	<mdl 0.01<="" td=""><td>10.0</td><td>No</td></mdl>	10.0	No
Terbufos (μg/L) - TW	2021/01/26	<mdl 0.01<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Tetrachloroethylene (μg/L) - TW	2021/01/26	<mdl 0.35<="" td=""><td>10.0</td><td>No</td></mdl>	10.0	No
2,3,4,6-Tetrachlorophenol (μg/L) - TW	2021/01/26	<mdl 0.2<="" td=""><td>100.0</td><td>No</td></mdl>	100.0	No
Triallate (μg/L) - TW	2021/01/26	<mdl 0.01<="" td=""><td>230.0</td><td>No</td></mdl>	230.0	No
Trichloroethylene (μg/L) - TW	2021/01/26	<mdl 0.44<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
2,4,6-Trichlorophenol (μg/L) - TW	2021/01/26	<mdl 0.25<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW	2021/01/26	<mdl 0.12<="" td=""><td>100.0</td><td>No</td></mdl>	100.0	No
Trifluralin (μg/L) - TW	2021/01/26	<mdl 0.02<="" td=""><td>45.0</td><td>No</td></mdl>	45.0	No
Vinyl Chloride (μg/L) - TW	2021/01/26	<mdl 0.17<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Trihalomethane: Total Annual Average (µg/L) - DW	4 Quarters of 2023	25.50	100.00	No
Haloacetic Acid: Total Annual Average (μg/L) - DW	4 Quarters of 2023	12.55	80.00	No

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

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	Result Value	Unit of Measure	Date of Sample
N/A	N/A	N/A	N/A

<sup>&</sup>lt;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 2021, the next set of samples is scheduled to be collected and tested in 2024.