



# 2023 SECTION 11 ANNUAL REPORT

ERIN  
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 Town of Erin by the Ontario Clean Water Agency

TOWN OF  
ERIN

 **ONTARIO CLEAN WATER AGENCY**  
**AGENCE ONTARIENNE DES EAUX**

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>	220000013
<b>Drinking-Water System Name:</b>	Erin Drinking Water System
<b>Drinking-Water System Owner:</b>	The Corporation of the Town of Erin
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1, 2023 – 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 web site 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)):**

- Town of Erin Office, 5684 Trafalgar Road, Hillsburgh, Ontario, N0B 1Z0
- <https://www.erin.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:**

Drinking Water System Name	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

**How system users are notified that the 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 (O.Reg 170/03, Section 11.(6)(a)):**

The Erin Drinking Water System is classified as a Large Municipal Drinking Water System, servicing an approximate population of 3,000 persons. The system is comprised of two pumphouses and an elevated storage facility (water tower). The pumphouses include the Well 7 Pumphouse and Well 8 Pumphouse which draw water from two production wells.

The raw water for the Well 7 pumphouse is supplied from one drilled groundwater well (Well 7). The water pumped from the well is treated with gaseous chlorine (for primary and secondary disinfection). The treated water is stored in one baffled storage reservoir/chlorine contact chamber prior to entering the distribution system. Online equipment continuously monitors and records free chlorine residual and flowrates. The pumphouse is also equipped with standby power in the event of a power failure.

The raw water for the Well 8 pumphouse is supplied from one drilled groundwater well (Well 8). The water pumped from the well is treated with gaseous chlorine (for primary and secondary disinfection). The treated water is stored in one baffled storage reservoir/chlorine contact chamber prior to entering the distribution system. Online equipment continuously monitors and records free chlorine residual and flowrates. The pumphouse is also equipped with standby power 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)):**

- Gaseous Chlorine

**Significant expenses were incurred to:**

X	Install required equipment
X	Repair required equipment
X	Replace required equipment
	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)):**

- Fire Flow Testing
- Pressure Relief Valve Inspection/Repair with Well Houses
- Communication Radio Replacements
- Water Meter Replacements
- Well 7 HMI Replacement
- Pressure Relief Valve Purchase – Hydrant
- Distribution Water Service Line Repairs
- New watermain installations

**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
2023/03/24	N/A	N/A	<ul style="list-style-type: none"> <li>• AWQI #161578 – Category 2 Water Main Break.</li> <li>• OCWA notified MECP, local Health Unit and SAC on March 24, 2023.</li> <li>• Precautionary Boil Water Advisory put in place, repairs of water main completed, flushing of main and two sets of samples collected and analyzed.</li> <li>• Sample results received back by March 26, 2023 with no bacteriological presence (0 Total Coliform and 0 <i>E.Coli</i>). Precautionary Boil Water Advisory lifted March 26, 2023.</li> <li>• Written notice of resolution submitted on March 27, 2023. No further actions required.</li> </ul>
2023/11/02	N/A	N/A	<ul style="list-style-type: none"> <li>• AWQI #163952 – Category 2 Water Main Break.</li> <li>• OCWA notified MECP, local Health Unit and SAC on November 2, 2023.</li> <li>• Precautionary Boil Water Advisory put in place affected residence, repairs of water main completed, flushing of main and two sets of samples collected and analyzed.</li> <li>• Sample results received back by November 5, 2023 with no bacteriological presence (0 Total Coliform and 0 <i>E.Coli</i>). Precautionary Boil Water Advisory lifted November 5, 2023.</li> <li>• Written notice of resolution submitted on November 8, 2023. No further actions required.</li> </ul>

**Table 1: Microbiological testing done under the Schedule 10 of Regulation 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 Coliforms Results		Number of HPC Samples	Range of HPC Samples	
		Min.	Max.	Min.	Max.		Min.	Max.
Raw Water - Well E7 <sup>1A</sup>	51 <sup>1D</sup>	0	0	0	0	n/a	n/a	n/a
Raw Water - Well E8 <sup>1A</sup>	52	0	0	0	0	n/a	n/a	n/a
Treated Water – Well E7 <sup>1B</sup>	52	0	0	0	0	52	0	3
Treated Water – Well E8 <sup>1B</sup>	52	0	0	0	0	52	0	6
Distribution Water <sup>1C</sup>	205	0	0	0	0	205	0	6

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>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>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 Erin is 3,000 persons, as confirmed by the owner on November 2, 2022 and thus requires at the minimum 11 monthly distribution samples.

<sup>1D</sup>Weekly sample for Well 7 not completed on scheduled sampling day December 19, 2023 due to Well Maintenance activities. Two additional samples were taken December 20, 2023 and December 21, 2023 to put the well back online after maintenance of the well pump.

**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)).**

Parameter & Location	Number of Samples	Range of Results	
		Min.	Max.
Turbidity (NTU) - Raw Water - Well E7 <sup>2A</sup>	11 <sup>2D</sup>	0.07	0.73
Turbidity (NTU) - Raw Water - Well E8 <sup>2A</sup>	12	0.06	0.47
Free Chlorine Residual, On-Line (mg/L) – TW Well E7 <sup>2B</sup>	8760	0.56	2.00
Free Chlorine Residual, On-Line (mg/L) – TW Well E8 <sup>2B</sup>	8760	0.75	1.60
Free Chlorine Residual, On-Line Distribution Water (mg/L) - DW <sup>2C</sup>	8760	0.16 <sup>2E</sup>	1.80

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)(4) 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, unless at least one sample is taken on each day of the week. At the Erin DWS, secondary disinfection is monitored through an online continuous free chlorine analyzer.

<sup>2D</sup>During the month of January a raw turbidity for well 7 was unable to be taken due to emergency troubleshooting of Well 7 well pump. The well was offline from December 18-24 2023

<sup>2E</sup>Low distribution free chlorine residual occurred during reported AWQI# 161578 event March 24, 2023 due to a category 2 Water Main Break –See table Summary of any reports/notices submitted to the Ministry and/or Spills Action Centre, for more details.

**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, 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<sup>4A</sup> (O.Reg 170/03, Section 11.6)(c)**

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Antimony: Sb (µg/L) - TW7	2021/05/18	0.5	6.0	No
Antimony: Sb (µg/L) - TW8	2021/05/18	0.5	6.0	No
Arsenic: As (µg/L) - TW7	2021/05/18	1.0	10.0	No
Arsenic: As (µg/L) - TW8	2021/05/18	1.0	10.0	No
Barium: Ba (µg/L) - TW7	2021/05/18	34.0	1000.0	No
Barium: Ba (µg/L) - TW8	2021/05/18	47.0	1000.0	No
Boron: B (µg/L) - TW7	2021/05/18	17.0	5000.0	No
Boron: B (µg/L) - TW8	2021/05/18	13.0	5000.0	No
Cadmium: Cd (µg/L) - TW7	2021/05/18	0.09	5.0	No
Cadmium: Cd (µg/L) - TW8	2021/05/18	0.09	5.0	No
Chromium: Cr (µg/L) - TW7	2021/05/18	5.0	50.0	No
Chromium: Cr (µg/L) - TW8	2021/05/18	5.0	50.0	No
Mercury: Hg (µg/L) - TW7	2021/05/18	0.1	1.0	No
Mercury: Hg (µg/L) - TW8	2021/05/18	0.1	1.0	No
Selenium: Se (µg/L) - TW7	2021/05/18	2.0	50.0	No
Selenium: Se (µg/L) - TW8	2021/05/18	2.0	50.0	No
Uranium: U (µg/L) - TW7	2021/05/18	0.49	20.0	No
Uranium: U (µg/L) - TW8	2021/05/18	0.17	20.0	No
<b>Additional Inorganics</b>				
Fluoride (mg/L) - TW7	2023/05/24 <sup>4B</sup>	0.20	1.5	No
Fluoride (mg/L) - TW8	2023/05/24 <sup>4B</sup>	0.26	1.5	No
Nitrite (mg/L) - TW7	2023/01/11	0.01	1.0	No
Nitrite (mg/L) - TW7	2023/04/11	0.01	1.0	No
Nitrite (mg/L) - TW7	2023/07/11	0.01	1.0	No
Nitrite (mg/L) - TW7	2023/10/17	0.01	1.0	No
Nitrite (mg/L) - TW8	2023/01/11	0.01	1.0	No
Nitrite (mg/L) - TW8	2023/04/11	0.01	1.0	No
Nitrite (mg/L) - TW8	2023/07/11	0.01	1.0	No
Nitrite (mg/L) - TW8	2023/10/17	0.01	1.0	No
Nitrate (mg/L) - TW7	2023/01/11	0.1	10.0	No
Nitrate (mg/L) - TW7	2023/04/11	0.12	10.0	No
Nitrate (mg/L) - TW7	2023/07/11	0.11	10.0	No
Nitrate (mg/L) - TW7	2023/10/17	0.1	10.0	No
Nitrate (mg/L) - TW8	2023/01/11	0.1	10.0	No
Nitrate (mg/L) - TW8	2023/04/11	0.1	10.0	No
Nitrate (mg/L) - TW8	2023/07/11	0.1	10.0	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Nitrate (mg/L) - TW8	2023/10/17	0.1	10.0	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Aesthetic Objective (AO)	Exceedance	
				AO	> 20 mg/L
Sodium: Na (mg/L) – TW7	2023/05/26 <sup>4C</sup>	6.7	200 <sup>4B</sup>	No	No
Sodium: Na (mg/L) – TW8	2023/05/26 <sup>4C</sup>	6.7	200 <sup>4B</sup>	No	No

Note: MDL = Minimum Detection Limit

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>4A</sup>Inorganic Parameters (Schedule 23) are required to be tested every 36 months for a large municipal residential system (O. Reg 170/03 Schedule 13-2.(1)). 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 taken in 2023. The next set of fluoride and sodium samples is scheduled to be tested in 2028.

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

**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 (MAC = 10 µ/L)
		Min.	Max.	
<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>	3	0.50	0.50	0
Distribution – Alkalinity (mg/L as CaCO <sub>3</sub> )	3	210	210	N/A
Distribution – pH	3	7.20	7.30	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>	3	0.50	0.50	0
Distribution – Alkalinity (mg/L as CaCO <sub>3</sub> )	3	200	210	N/A
Distribution – pH	3	6.32	6.32	N/A
<b>Period: December 15 to 31</b>				



Location/Type & Parameter	Number of Samples <sup>5A</sup>	Range of Results		Number of Lead Exceedances (MAC = 10 µ/L)
		Min.	Max.	
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.

<sup>5A</sup>This system follows a reduced sampling schedule (O.Reg 170/03, Section 15.1.5). 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 3,000 persons (as confirmed by the Owner on November 2, 2022) and therefore requires two (2) distribution sampling points per sampling period. OCWA routinely takes three (3) samples per period as a best practice.

<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>Distribution lead samples are required to be taken every 36 months. The most recent set of samples were taken in the winter period of December 15, 2021 to April 15, 2022 and summer period of June 15, 2022 to October 15, 2022. An additional set off distribution lead samples were taken in the winter period of December 15, 2022 to April 15, 2023 and summer period of June 15, 2023 to October 15, 2023. The next set of required distribution lead samples is scheduled to be sampled during the winter period of December 15, 2024 to April 15, 2025 and summer period of June 15, 2025 to October 15, 2025.

**Table 6: Summary of Organic parameters sampled during this reporting period or the most recent sample results<sup>6A</sup> (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) - TW7	2021/05/18	0.5	5.0	No
Alachlor (µg/L) - TW8	2021/05/18	0.5	5.0	No
Azinphos-methyl (µg/L) - TW7	2021/05/18	2.0	20.0	No
Azinphos-methyl (µg/L) - TW8	2021/05/18	2.0	20.0	No
Benzene (µg/L) - TW7	2021/05/18	0.1	1.0	No
Benzene (µg/L) - TW8	2021/05/18	0.1	1.0	No
Benzo(a)pyrene (µg/L) - TW7	2021/05/18	0.005	0.01	No
Benzo(a)pyrene (µg/L) - TW8	2021/05/18	0.005	0.01	No
Bromoxynil (µg/L) - TW7	2021/05/18	0.5	5.0	No
Bromoxynil (µg/L) - TW8	2021/05/18	0.5	5.0	No
Carbaryl (µg/L) - TW7	2021/05/18	5.0	90.0	No
Carbaryl (µg/L) - TW8	2021/05/18	5.0	90.0	No
Carbofuran (µg/L) - TW7	2021/05/18	5.0	90.0	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Carbofuran (µg/L) - TW8	2021/05/18	5.0	90.0	No
Carbon Tetrachloride (µg/L) - TW7	2021/05/18	0.1	2.0	No
Carbon Tetrachloride (µg/L) - TW8	2021/05/18	0.1	2.0	No
Chlorpyrifos (µg/L) - TW7	2021/05/18	1.0	90.0	No
Chlorpyrifos (µg/L) - TW8	2021/05/18	1.0	90.0	No
Diazinon (µg/L) - TW7	2021/05/18	1.0	20.0	No
Diazinon (µg/L) - TW8	2021/05/18	1.0	20.0	No
Dicamba (µg/L) - TW7	2021/05/18	1.0	120.0	No
Dicamba (µg/L) - TW8	2021/05/18	1.0	120.0	No
1,2-Dichlorobenzene (µg/L) - TW7	2021/05/18	0.2	200.0	No
1,2-Dichlorobenzene (µg/L) - TW8	2021/05/18	0.2	200.0	No
1,4-Dichlorobenzene (µg/L) - TW7	2021/05/18	0.2	5.0	No
1,4-Dichlorobenzene (µg/L) - TW8	2021/05/18	0.2	5.0	No
1,2-Dichloroethane (µg/L) - TW7	2021/05/18	0.2	5.0	No
1,2-Dichloroethane (µg/L) - TW8	2021/05/18	0.2	5.0	No
1,1-Dichloroethylene (µg/L) - TW7	2021/05/18	0.1	14.0	No
1,1-Dichloroethylene (µg/L) - TW8	2021/05/18	0.1	14.0	No
Dichloromethane (Methylene Chloride) (µg/L) - TW7	2021/05/18	0.5	50.0	No
Dichloromethane (Methylene Chloride) (µg/L) - TW8	2021/05/18	0.5	50.0	No
2,4-Dichlorophenol (µg/L) - TW7	2021/05/18	0.25	900.0	No
2,4-Dichlorophenol (µg/L) - TW8	2021/05/18	0.25	900.0	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (µg/L) - TW7	2021/05/18	1.0	100.0	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (µg/L) - TW8	2021/05/18	1.0	100.0	No
Diclofop-methyl (µg/L) - TW7	2021/05/18	0.9	9.0	No
Diclofop-methyl (µg/L) - TW8	2021/05/18	0.9	9.0	No
Dimethoate (µg/L) - TW7	2021/05/18	2.5	20.0	No
Dimethoate (µg/L) - TW8	2021/05/18	2.5	20.0	No
Diquat (µg/L) - TW7	2021/05/18	7.0	70.0	No
Diquat (µg/L) - TW8	2021/05/18	7.0	70.0	No
Diuron (µg/L) - TW7	2021/05/18	10.0	150.0	No
Diuron (µg/L) - TW8	2021/05/18	10.0	150.0	No
Glyphosate (µg/L) - TW7	2021/05/18	10.0	280.0	No
Glyphosate (µg/L) - TW8	2021/05/18	10.0	280.0	No
Malathion (µg/L) - TW7	2021/05/18	5.0	190.0	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Malathion (µg/L) - TW8	2021/05/18	5.0	190.0	No
Metolachlor (µg/L) - TW7	2021/05/18	0.5	50.0	No
Metolachlor (µg/L) - TW8	2021/05/18	0.5	50.0	No
Metribuzin (µg/L) - TW7	2021/05/18	5.0	80.0	No
Metribuzin (µg/L) - TW8	2021/05/18	5.0	80.0	No
Monochlorobenzene (Chlorobenzene) (µg/L) - TW7	2021/05/18	0.1	80.0	No
Monochlorobenzene (Chlorobenzene) (µg/L) - TW8	2021/05/18	0.1	80.0	No
Paraquat (µg/L) - TW7	2021/05/18	1.0	10.0	No
Paraquat (µg/L) - TW8	2021/05/18	1.0	10.0	No
PCB (µg/L) - TW7	2021/05/18	0.05	3.0	No
PCB (µg/L) - TW8	2021/05/18	0.05	3.0	No
Pentachlorophenol (µg/L) - TW7	2021/05/18	0.5	60.0	No
Pentachlorophenol (µg/L) - TW8	2021/05/18	0.5	60.0	No
Phorate (µg/L) - TW7	2021/05/18	0.5	2.0	No
Phorate (µg/L) - TW8	2021/05/18	0.5	2.0	No
Picloram (µg/L) - TW7	2021/05/18	5.0	190.0	No
Picloram (µg/L) - TW8	2021/05/18	5.0	190.0	No
Prometryne (µg/L) - TW7	2021/05/18	0.25	1.0	No
Prometryne (µg/L) - TW8	2021/05/18	0.25	1.0	No
Simazine (µg/L) - TW7	2021/05/18	1.0	10.0	No
Simazine (µg/L) - TW8	2021/05/18	1.0	10.0	No
Terbufos (µg/L) - TW7	2021/05/18	0.5	1.0	No
Terbufos (µg/L) - TW8	2021/05/18	0.5	1.0	No
Tetrachloroethylene (µg/L) - TW7	2021/05/18	0.1	10.0	No
Tetrachloroethylene (µg/L) - TW8	2021/05/18	0.1	10.0	No
2,3,4,6-Tetrachlorophenol (µg/L) - TW7	2021/05/18	0.5	100.0	No
2,3,4,6-Tetrachlorophenol (µg/L) - TW8	2021/05/18	0.5	100.0	No
Triallate (µg/L) - TW7	2021/05/18	1.0	230.0	No
Triallate (µg/L) - TW8	2021/05/18	1.0	230.0	No
Trichloroethylene (µg/L) - TW7	2021/05/18	0.1	5.0	No
Trichloroethylene (µg/L) - TW8	2021/05/18	0.1	5.0	No
2,4,6-Trichlorophenol (µg/L) - TW7	2021/05/18	0.5	5.0	No
2,4,6-Trichlorophenol (µg/L) - TW8	2021/05/18	0.5	5.0	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW7	2021/05/18	10.0	100.0	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW8	2021/05/18	10.0	100.0	No
Trifluralin (µg/L) - TW7	2021/05/18	1.0	45.0	No
Trifluralin (µg/L) - TW8	2021/05/18	1.0	45.0	No
Vinyl Chloride (µg/L) - TW7	2021/05/18	0.2	1.0	No
Vinyl Chloride (µg/L) - TW8	2021/05/18	0.2	1.0	No
Trihalomethane: Total (µg/L) Annual Average - DW	2023 (Quarterly)	10.21	100.0	No
HAA Total (µg/L) Annual Average - DW	2023 (Quarterly)	5.0	80.0	No

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

<sup>6A</sup>Organic Parameters (Schedule 24) are required to be tested every 36 months for a large municipal residential system (O. Reg 170/03 Schedule 13-4.(1)). 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.

**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