2025 SECTION 11 ANNUAL REPORT

MIDHURST DRINKING WATER SYSTEM

For the period of
January 1st, 2025 to December 31st, 2025

Prepared for the Corporation of the Township of Springwater by the Ontario Clean Water Agency

Township of Springwater

OCWA
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:

Drinking Water System Number:	220005474
Drinking Water System Name:	Midhurst Drinking Water System
Drinking Water System Owner:	The Corporation of the Township of Springwater
Drinking Water System Category:	Large Municipal Residential
Reporting Period:	January 1, 2025 – December 31, 2025

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 Springwater Municipal Office 2231 Nursery Road, Minesing
- https://www.springwater.ca/en/living-here/water-quality-and-testing.aspx

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))*

X	Public access/notice via the web
X	Public access/notice via Government Office
	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:

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 Midhurst Drinking Water System (DWS) is classified as a Class II Water Distribution and Supply Subsystem. It is categorized as a Large Municipal Residential Drinking Water System under O.Reg 170/03, servicing an approximate population of 2,760 persons. The system is comprised of three water treatment plants (Idlewood Drive Well Supply and Water Treatment Plant, Greenpine Well Supply and Water Treatment Plant and Carson Road Well Supply and Water Treatment Plant), four production wells, two booster pumping stations, one underground reservoir and two standpipes (East and West Towers) which all supply drinking water to the system.

Idlewood Drive Well Supply and Water Treatment Plant

The Idlewood Drive Water Treatment Plant is supplied raw water from two drilled groundwater wells (Well No. 2, and Well No. 3). The raw water pumped from the wells is treated with Sodium Silicate (for iron/manganese sequestering) and Sodium Hypochlorite (for primary and secondary disinfection). The treated water is stored in two above ground standpipes (East and West Towers) prior to being conveyed to the distribution system. The treated water is conveyed through a contact pipe prior to reaching the first service connection.

Greenpine Well Supply and Water Treatment Plant

The Greenpine Well Water Treatment Plant is supplied raw water from one drilled groundwater well (Well No. 4). The raw water is treated with Sodium Silicate (for iron/manganese sequestering) and Sodium Hypochlorite (for primary and secondary disinfection). The treated water is stored in a underground reservoir before being conveyed to the distribution system.

Carson Road Well Supply and Water Treatment Plant

The Carson Road Water Treatment Plant is supplied raw water from one drilled groundwater well (Well No. 5). The raw water is treated with Sodium Silicate (for iron/manganese sequestering) and Sodium Hypochlorite (for primary and secondary disinfection). The treated water is conveyed through a contact pipe prior to reaching the first service connection.

Forest Hill & Park Trail Booster Stations

The Midhurst DWS contains two (2) pressure-boosting stations. Forest Hill Booster Station is located at 19 Forest Hill Drive and services all of the Forest Hill Subdivision, which includes Forest Hill Drive, Pierce Court and Bridle Trail. The Park Trail Booster Station located at the corner of Wattie Road and Park Trail services approximately 300 meters of watermain

(approximately 16 homes). Both stations feature inline pressure booster pumps connected to the watermain and are used to increase pressure to these areas.

The Midhurst Drinking Water System is capable of supplying water to the Del Trend Drinking Water System through a valve if required. Online equipment continuously monitors and records free chlorine residuals and flows at each water treatment plants. Carson Road and Idlewood Well Supply and Treatment Plants are both 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)):*

- Sodium Hypochlorite, 12%
- Sodium Silicate

Significant expenses were incurred to:

	Install required equipment
	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)):*

- Midhurst Tower surge protector replacement
- Carson – Chlorine analyzer replacement
- Carson – UPS replacement
- Idlewood – Chlorine pump replacement
- Idlewood – Alarm keypad replacement

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
2025/07/13	Notice of Adverse Observation	N/A	AWQ1 # 168973: Notice of Adverse Observation of Improper Disinfection - Treated Water Free Chlorine Residual

Incident Date (yyyy/mm/dd)	**Parameter/ Notice of**	**Result & Unit**	**Reporting Summary, Corrective Actions & Resolution**
	of Improper Disinfection		• On July 13, 2025, while onsite at the Carson Rd. Pumphouse, Operations staff identified a sensor error on the Treated Water Free Chlorine Online Analyzer. Staff responded immediately by calibrating the analyzer, verifying readings with a handheld colorimeter, and confirming alarm functionality. As a precaution, the pumphouse was taken offline and microbiological and chlorine residual samples were collected throughout the distribution system. Distribution residual results were within normal operating ranges and were consistent with conditions expected when disinfection requirements are being met. • A review of monitoring data confirmed that the sensor error occurred between 04:01 and 04:38. During this brief period, the analyzer signal intermittently disconnected, producing short-duration readings that were higher and lower than typical values. Operational data confirmed that well lockouts did not occur, chlorine pumps remained fully operational, and dosage rates were consistent with what would be required to maintain full disinfection. While disinfection during the brief analyzer error period cannot be verified directly, all available operational evidence indicates that treated water most likely maintained disinfection throughout the event. • OCWA provided verbal notification of the event and corrective actions to SAC and SMDHU on July 13, 2025. Verbal and written notification, along with ongoing updates, were provided to SAC, the local MECP office, SMDHU, and the Owner on July 14, 2025. No additional actions were requested or

Incident Date (yyyy/mm/dd)	Parameter/ Notice of	Result & Unit	Reporting Summary, Corrective Actions & Resolution
			required following notification. An AWQI number was issued as a precautionary measure. • Laboratory results for the July 13, 2025 distribution samples were received on July 15, 2025 and confirmed the absence of microbiological indicators. Chlorine residuals were within expected ranges, supporting that disinfection was maintained and confirming the incident was resolved. • A Written Notice of Resolution was submitted on July 16, 2025 to SAC, MECP, WDG Public Health, and the Owner. No further actions were requested or required.

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 No. 2[1A]	53	0	0	0	0	N/A	N/A	N/A
RW– Well No. 3[1A]	53	0	0	0	0	N/A	N/A	N/A
RW– Well No. 4[1A]	53	0	0	0	2	N/A	N/A	N/A
RW– Well No. 5[1A]	53	0	0	0	0	N/A	N/A	N/A
TW – Idlewood[1B]	53	0	0	0	0	53	<10	30
TW – Greenpine[1B]	54	0	0	0	0	54	<10	70
TW – Carson Rd[1B]	53	0	0	0	0	53	<10	40
Distribution[1C]	151	0	0	0	0	54	<10	30

Note: RW = Raw Water, TW=Treated Water, 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

[1A]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.

[1B]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).

[1C]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 sample for every 1,000 people served by the system to be taken every month, with at least one of the samples being taken in each week and be 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). The number of people served by the system is 2,760 (as confirmed with the Owner on December 12, 2024) and therefore requires at minimum eleven (11) distribution samples per month.

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) – Well No. 2[2A]	12	0.09	0.76
Turbidity, In-House (NTU) – Well No. 3[2A]	12	0.09	0.52
Turbidity, In-House (NTU) – Well No. 4[2A]	12	0.17	0.58
Turbidity, In-House (NTU) – Well No. 5[2A]	12	0.13	0.39
Free Chlorine Residual, Continuous (mg/L) – TW1-Idlewood [2B]	8760	0.31[2D]	5.00[2E]
Free Chlorine Residual, Continuous (mg/L) – TW2-Greenpine [2B]	8760	0.36[2F]	1.97
Free Chlorine Residual, Continuous (mg/L) – TW3- Carson Road [2B]	8760	0.02[2G]	5.00[2G]
Free Chlorine Residual, Grab (mg/L) – Distribution[2C]	367	0.74	1.44

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

[2A]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.

[2B]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.

[2C]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.

[2D]May 8, 2025 – low free chlorine residual locked out the wells at the Idlewood pumphouse due to an issue with one of the chlorine pumps. OCWA responded, fixed and cleaned both pumps, flushed, and checked chlorine residuals before putting the wells back online.

[2E]July 16, 2025 – Higher than typical readings were of short duration.

[2F]February 16, 2025 – low free chlorine residual reading due to maintenance being performed on the system. No water was being sent to users during this time.

[2G]July 13, 2025 – Refer to AWQI #168973 for a summary of events and corrective actions

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)	**Parameter**	**Date Sampled** (yyyy/mm/dd)	**Result**	**Unit of Measure**
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[4A]** (yyyy/mm/dd)	**Sample Result**	**Maximum Allowable Concentration (MAC)**	**Exceedance of MAC**
Antimony: Sb (µg/L) – TW1	2024/02/20	< MDL 0.6	6.0	No
Antimony: Sb (µg/L) – TW2	2024/02/20	< MDL 0.6	6.0	No
Antimony: Sb (µg/L) – TW3	2024/02/20	< MDL 0.6	6.0	No
Arsenic: As (µg/L) - TW1	2024/02/20	< MDL 0.2	10.0	No
Arsenic: As (µg/L) - TW2	2024/02/20	0.3	10.0	No
Arsenic: As (µg/L) - TW3	2024/02/20	0.3	10.0	No
Barium: Ba (µg/L) – TW1	2024/02/20	86.8	1000.0	No
Barium: Ba (µg/L) – TW2	2024/02/20	97.5	1000.0	No
Barium: Ba (µg/L) – TW3	2024/02/20	121	1000.0	No
Boron: B (µg/L) – TW1	2024/02/20	11	5000.0	No
Boron: B (µg/L) – TW2	2024/02/20	10	5000.0	No
Boron: B (µg/L) – TW3	2024/02/20	10	5000.0	No
Cadmium: Cd (µg/L) – TW1	2024/02/20	0.003	5.0	No
Cadmium: Cd (µg/L) – TW2	2024/02/20	< MDL 0.003	5.0	No
Cadmium: Cd (µg/L) – TW3	2024/02/20	< MDL 0.003	5.0	No
Chromium: Cr (µg/L) – TW1	2024/02/20	0.14	50.0	No
Chromium: Cr (µg/L) – TW2	2024/02/20	0.17	50.0	No
Chromium: Cr (µg/L) – TW3	2024/02/20	0.19	50.0	No
Mercury: Hg (µg/L) – TW1	2024/02/20	< MDL 0.01	1.0	No
Mercury: Hg (µg/L) – TW2	2024/02/20	< MDL 0.01	1.0	No
Mercury: Hg (µg/L) – TW3	2024/02/20	< MDL 0.01	1.0	No
Selenium: Se (µg/L) – TW1	2024/02/20	< MDL 0.04	50.0	No

Parameter & Location	Sample Date[4A] (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Selenium: Se (µg/L) – TW2	2024/02/20	< MDL 0.04	50.0	No
Selenium: Se (µg/L) – TW3	2024/02/20	0.06	50.0	No
Uranium: U (µg/L) – TW1	2024/02/20	0.408	20.0	No
Uranium: U (µg/L) – TW2	2024/02/20	0.13	20.0	No
Uranium: U (µg/L) – TW3	2024/02/20	0.076	20.0	No
Fluoride (mg/L) - TW1	2023/05/15[4B]	0.08	1.5	No
Fluoride (mg/L) - TW2	2023/05/15[4B]	0.08	1.5	No
Fluoride (mg/L) - TW3	2023/05/15[4B]	0.09	1.5	No
Nitrite (mg/L) - TW1	2025/02/11	< MDL 0.003	1.0	No
Nitrite (mg/L) - TW1	2025/05/20	< MDL 0.003	1.0	No
Nitrite (mg/L) - TW1	2025/08/12	< MDL 0.003	1.0	No
Nitrite (mg/L) - TW1	2025/11/10	< MDL 0.003	1.0	No
Nitrite (mg/L) - TW2	2025/02/11	< MDL 0.003	1.0	No
Nitrite (mg/L) - TW2	2025/05/20	< MDL 0.003	1.0	No
Nitrite (mg/L) - TW2	2025/08/12	< MDL 0.003	1.0	No
Nitrite (mg/L) - TW2	2025/11/10	< MDL 0.003	1.0	No
Nitrite (mg/L) - TW3	2025/02/11	< MDL 0.003	1.0	No
Nitrite (mg/L) - TW3	2025/05/20	< MDL 0.003	1.0	No
Nitrite (mg/L) - TW3	2025/08/12	< MDL 0.003	1.0	No
Nitrite (mg/L) - TW3	2025/11/10	< MDL 0.003	1.0	No
Nitrate (mg/L) - TW1	2025/02/11	< MDL 0.006	10.0	No
Nitrate (mg/L) - TW1	2025/05/20	< MDL 0.006	10.0	No
Nitrate (mg/L) - TW1	2025/08/12	< MDL 0.006	10.0	No
Nitrate (mg/L) - TW1	2025/11/10	< MDL 0.006	10.0	No
Nitrate (mg/L) - TW2	2025/02/11	< MDL 0.006	10.0	No
Nitrate (mg/L) - TW2	2025/05/20	< MDL 0.006	10.0	No
Nitrate (mg/L) - TW2	2025/08/12	< MDL 0.006	10.0	No
Nitrate (mg/L) - TW2	2025/11/10	< MDL 0.006	10.0	No
Nitrate (mg/L) - TW3	2025/02/11	< MDL 0.006	10.0	No
Nitrate (mg/L) - TW3	2025/05/20	< MDL 0.006	10.0	No
Nitrate (mg/L) - TW3	2025/08/12	< MDL 0.006	10.0	No
Nitrate (mg/L) - TW3	2025/11/10	< MDL 0.006	10.0	No

Note: MDL = Minimum Detection Limit, TW1 = Idlewood, TW2 = Green Pine, TW3 = Carson Road, DW = Distribution Water, MDL = Minimum Detection Limit, MAC = Maximum Allowable Concentration

[4A]The owner of a large municipal residential system shall ensure that at least one water sample for inorganics is taken every 36 months, if the system obtains water from a raw water supply that is ground

water (O.Reg 170/03, Schedule 13-2(1)(b)) The last set of samples were collected and tested in 2024, the next set of samples are scheduled to be collected and tested in 2027.

[4B]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.

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Aesthetic Objective (AO)	Exceedance	
				AO	> 20 mg/L
Sodium: Na (mg/L) - TW1	2023/05/15[4C]	8.32	200	No	No
Sodium: Na (mg/L) - TW2	2023/05/15[4C]	7.94	200	No	No
Sodium: Na (mg/L) - TW3	2023/05/15[4C]	9.82	200	No	No

Note: MDL = Minimum Detection Limit, TW1 = Idlewood, TW2 = Greenpine, TW3 = Carson Road

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.

[4C]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.

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[5A]	Range of Results		Number of Lead Exceedances
		Min.	Max.	MAC = 10 µg/L
Period: January 1 to April 15				
Plumbing – Lead (µg/L)[5B]	N/A	N/A	N/A	N/A
Distribution – Lead (µg/L)[5C]	N/A	N/A	N/A	N/A
Distribution – Alkalinity (mg/L as $CaCO_3$)	2	204	205	N/A
Distribution – pH	2	8.20	8.30	N/A
Period: June 15 to October 15				
Plumbing – Lead (µg/L)[5B]	N/A	N/A	N/A	N/A
Distribution – Lead (µg/L)[5C]	N/A	N/A	N/A	N/A
Distribution – Alkalinity (mg/L as $CaCO_3$)	2	210	214	N/A
Distribution – pH	2	7.50	7.70	N/A
Period: December 15 to 31				
Plumbing – Lead (µg/L)[5B]	N/A	N/A	N/A	N/A
Distribution – Lead (µg/L)[5C]	N/A	N/A	N/A	N/A
Distribution – Alkalinity (mg/L as $CaCO_3$)	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)).

[5A]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 2,760 persons (as confirmed with the Owner on December 12, 2024) and therefore requires two (2) distribution sampling points per sampling period.

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

[5C]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, 2023 to April 15, 2024 and summer period of June 15, 2024 to October 15, 2024. The next set of distribution lead samples is scheduled to be collected within the winter period of December 15, 2026 to April 15, 2027 and summer period of June 15, 2027 to October 15, 2027.

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
1,1-Dichloroethylene (µg/L)-TW3	2024/02/20	< MDL 0.33	14	No
1,2-Dichlorobenzene (µg/L)-TW3	2024/02/20	< MDL 0.41	200	No
1,2-Dichloroethane (µg/L)-TW3	2024/02/20	< MDL 0.35	5	No
1,4-Dichlorobenzene (µg/L)-TW3	2024/02/20	< MDL 0.36	5	No
2,3,4,6-Tetrachlorophenol (µg/L)-TW3	2024/02/20	< MDL 0.2	100	No
2,4,6-Trichlorophenol (µg/L)-TW3	2024/02/20	< MDL 0.25	5	No
2,4-Dichlorophenol (µg/L)-TW3	2024/02/20	< MDL 0.15	900	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (µg/L)-TW3	2024/02/20	< MDL 0.19	100	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)-TW3	2024/02/20	< MDL 0.12	100	No
Alachlor (µg/L) -TW3	2024/02/20	< MDL 0.02	5	No
Atrazine + N-dealkylated metabolites (µg/L)-TW3	2024/02/20	< MDL 0.01	5	No
Azinphos-methyl (µg/L)-TW3	2024/02/20	< MDL 0.05	20	No
Benzene (µg/L)-TW3	2024/02/20	< MDL 0.32	1	No
Benzo(a)pyrene (µg/L)-TW3	2024/02/20	< MDL 0.004	0.01	No
Bromoxynil (µg/L)-TW3	2024/02/20	< MDL 0.33	5	No
Carbaryl (µg/L)-TW3	2024/02/20	< MDL 0.05	90	No
Carbofuran (µg/L) -TW3	2024/02/20	< MDL 0.01	90	No
Carbon Tetrachloride (µg/L) -TW3	2024/02/20	< MDL 0.17	2	No
Chlorpyrifos (µg/L) -TW3	2024/02/20	< MDL 0.02	90	No
Diazinon (µg/L)-TW3	2024/02/20	< MDL 0.02	20	No
Dicamba (µg/L)-TW3	2024/02/20	< MDL 0.2	120	No
Dichloromethane (Methylene Chloride) (µg/L)-TW3	2024/02/20	< MDL 0.35	50	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Diclofop-methyl (µg/L)-TW3	2024/02/20	< MDL 0.4	9	No
Dimethoate (µg/L)-TW3	2024/02/20	< MDL 0.06	20	No
Diquat (µg/L)-TW3	2024/02/20	< MDL 1	70	No
Diuron (µg/L)-TW3	2024/02/20	< MDL 0.03	150	No
Glyphosate (µg/L)-TW3	2024/02/20	< MDL 1	280	No
Malathion (µg/L)-TW3	2024/02/20	< MDL 0.02	190	No
Metolachlor (µg/L)-TW3	2024/02/20	< MDL 0.01	50	No
Metribuzin (µg/L)-TW3	2024/02/20	< MDL 0.02	80	No
Monochlorobenzene (Chlorobenzene) (µg/L)-TW3	2024/02/20	< MDL 0.3	80	No
Paraquat (µg/L)-TW3	2024/02/20	< MDL 1	10	No
PCB (µg/L)-TW3	2024/02/20	< MDL 0.04	3	No
Pentachlorophenol (µg/L)-TW3	2024/02/20	< MDL 0.15	60	No
Phorate (µg/L)-TW3	2024/02/20	< MDL 0.01	2	No
Picloram (µg/L)-TW3	2024/02/20	< MDL 1	190	No
Prometryne (µg/L)-TW3	2024/02/20	< MDL 0.03	1	No
Simazine (µg/L)-TW3	2024/02/20	< MDL 0.01	10	No
Terbufos (µg/L)-TW3	2024/02/20	< MDL 0.01	1	No
Tetrachloroethylene (µg/L)-TW3	2024/02/20	< MDL 0.35	10	No
Triallate (µg/L) -TW3	2024/02/20	< MDL 0.01	230	No
Trichloroethylene (µg/L)-TW3	2024/02/20	< MDL 0.44	5	No
Trifluralin (µg/L)-TW3	2024/02/20	< MDL 0.02	45	No
Vinyl Chloride (µg/L)-TW3	2024/02/20	< MDL 0.17	1	No
1,1-Dichloroethylene (µg/L)-TW2	2024/02/20	< MDL 0.33	14	No
1,2-Dichlorobenzene (µg/L)-TW2	2024/02/20	< MDL 0.41	200	No
1,2-Dichloroethane (µg/L)-TW2	2024/02/20	< MDL 0.35	5	No
1,4-Dichlorobenzene (µg/L)-TW2	2024/02/20	< MDL 0.36	5	No
2,3,4,6-Tetrachlorophenol (µg/L)-TW2	2024/02/20	< MDL 0.2	100	No
2,4,6-Trichlorophenol (µg/L)-TW2	2024/02/20	< MDL 0.25	5	No
2,4-Dichlorophenol (µg/L)-TW2	2024/02/20	< MDL 0.15	900	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (µg/L)-TW2	2024/02/20	< MDL 0.19	100	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)-TW2	2024/02/20	< MDL 0.12	100	No
Alachlor (µg/L) -TW2	2024/02/20	< MDL 0.02	5	No
Atrazine + N-dealkylated metabolites (µg/L)-TW2	2024/02/20	< MDL 0.01	5	No
Azinphos-methyl (µg/L)-TW2	2024/02/20	< MDL 0.05	20	No
Benzene (µg/L)-TW2	2024/02/20	< MDL 0.32	1	No
Benzo(a)pyrene (µg/L)-TW2	2024/02/20	< MDL 0.004	0.01	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Bromoxynil (µg/L)-TW2	2024/02/20	< MDL 0.33	5	No
Carbaryl (µg/L)-TW2	2024/02/20	< MDL 0.05	90	No
Carbofuran (µg/L) -TW2	2024/02/20	< MDL 0.01	90	No
Carbon Tetrachloride (µg/L) -TW2	2024/02/20	< MDL 0.17	2	No
Chlorpyrifos (µg/L) -TW2	2024/02/20	< MDL 0.02	90	No
Diazinon (µg/L)-TW2	2024/02/20	< MDL 0.02	20	No
Dicamba (µg/L)-TW2	2024/02/20	< MDL 0.2	120	No
Dichloromethane (Methylene Chloride) (µg/L)-TW2	2024/02/20	< MDL 0.35	50	No
Diclofop-methyl (µg/L)-TW2	2024/02/20	< MDL 0.4	9	No
Dimethoate (µg/L)-TW2	2024/02/20	< MDL 0.06	20	No
Diquat (µg/L)-TW2	2024/02/20	< MDL 1	70	No
Diuron (µg/L)-TW2	2024/02/20	< MDL 0.03	150	No
Glyphosate (µg/L)-TW2	2024/02/20	< MDL 1	280	No
Malathion (µg/L)-TW2	2024/02/20	< MDL 0.02	190	No
Metolachlor (µg/L)-TW2	2024/02/20	< MDL 0.01	50	No
Metribuzin (µg/L)-TW2	2024/02/20	< MDL 0.02	80	No
Monochlorobenzene (Chlorobenzene) (µg/L)-TW2	2024/02/20	< MDL 0.3	80	No
Paraquat (µg/L)-TW2	2024/02/20	< MDL 1	10	No
PCB (µg/L)-TW2	2024/02/20	< MDL 0.04	3	No
Pentachlorophenol (µg/L)-TW2	2024/02/20	< MDL 0.15	60	No
Phorate (µg/L)-TW2	2024/02/20	< MDL 0.01	2	No
Picloram (µg/L)-TW2	2024/02/20	< MDL 1	190	No
Prometryne (µg/L)-TW2	2024/02/20	< MDL 0.03	1	No
Simazine (µg/L)-TW2	2024/02/20	< MDL 0.01	10	No
Terbufos (µg/L)-TW2	2024/02/20	< MDL 0.01	1	No
Tetrachloroethylene (µg/L)-TW2	2024/02/20	< MDL 0.35	10	No
Triallate (µg/L) -TW2	2024/02/20	< MDL 0.01	230	No
Trichloroethylene (µg/L)-TW2	2024/02/20	< MDL 0.44	5	No
Trifluralin (µg/L)-TW2	2024/02/20	< MDL 0.02	45	No
Vinyl Chloride (µg/L)-TW2	2024/02/20	< MDL 0.17	1	No
1,1-Dichloroethylene (µg/L)-TW1	2024/02/20	< MDL 0.33	14	No
1,2-Dichlorobenzene (µg/L)-TW1	2024/02/20	< MDL 0.41	200	No
1,2-Dichloroethane (µg/L)-TW1	2024/02/20	< MDL 0.35	5	No
1,4-Dichlorobenzene (µg/L)-TW1	2024/02/20	< MDL 0.36	5	No
2,3,4,6-Tetrachlorophenol (µg/L)-TW1	2024/02/20	< MDL 0.2	100	No
2,4,6-Trichlorophenol (µg/L)-TW1	2024/02/20	< MDL 0.25	5	No
2,4-Dichlorophenol (µg/L)-TW1	2024/02/20	< MDL 0.15	900	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
2,4-Dichlorophenoxy acetic acid (2,4-D) (µg/L)-TW1	2024/02/20	< MDL 0.19	100	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L)-TW1	2024/02/20	< MDL 0.12	100	No
Alachlor (µg/L) -TW1	2024/02/20	< MDL 0.02	5	No
Atrazine + N-dealkylated metabolites (µg/L)-TW1	2024/02/20	< MDL 0.01	5	No
Azinphos-methyl (µg/L)-TW1	2024/02/20	< MDL 0.05	20	No
Benzene (µg/L)-TW1	2024/02/20	< MDL 0.32	1	No
Benzo(a)pyrene (µg/L)-TW1	2024/02/20	< MDL 0.004	0.01	No
Bromoxynil (µg/L)-TW1	2024/02/20	< MDL 0.33	5	No
Carbaryl (µg/L)-TW1	2024/02/20	< MDL 0.05	90	No
Carbofuran (µg/L) -TW1	2024/02/20	< MDL 0.01	90	No
Carbon Tetrachloride (µg/L) -TW1	2024/02/20	< MDL 0.17	2	No
Chlorpyrifos (µg/L) -TW1	2024/02/20	< MDL 0.02	90	No
Diazinon (µg/L)-TW1	2024/02/20	< MDL 0.02	20	No
Dicamba (µg/L)-TW1	2024/02/20	< MDL 0.2	120	No
Dichloromethane (Methylene Chloride) (µg/L)-TW1	2024/02/20	< MDL 0.35	50	No
Diclofop-methyl (µg/L)-TW1	2024/02/20	< MDL 0.4	9	No
Dimethoate (µg/L)-TW1	2024/02/20	< MDL 0.06	20	No
Diquat (µg/L)-TW1	2024/02/20	< MDL 1	70	No
Diuron (µg/L)-TW1	2024/02/20	< MDL 0.03	150	No
Glyphosate (µg/L)-TW1	2024/02/20	< MDL 1	280	No
Malathion (µg/L)-TW1	2024/02/20	< MDL 0.02	190	No
Metolachlor (µg/L)-TW1	2024/02/20	< MDL 0.01	50	No
Metribuzin (µg/L)-TW1	2024/02/20	< MDL 0.02	80	No
Monochlorobenzene (Chlorobenzene) (µg/L)-TW1	2024/02/20	< MDL 0.3	80	No
Paraquat (µg/L)-TW1	2024/02/20	< MDL 1	10	No
PCB (µg/L)-TW1	2024/02/20	< MDL 0.04	3	No
Pentachlorophenol (µg/L)-TW1	2024/02/20	< MDL 0.15	60	No
Phorate (µg/L)-TW1	2024/02/20	< MDL 0.01	2	No
Picloram (µg/L)-TW1	2024/02/20	< MDL 1	190	No
Prometryne (µg/L)-TW1	2024/02/20	< MDL 0.03	1	No
Simazine (µg/L)-TW1	2024/02/20	< MDL 0.01	10	No
Terbufos (µg/L)-TW1	2024/02/20	< MDL 0.01	1	No
Tetrachloroethylene (µg/L)-TW1	2024/02/20	< MDL 0.35	10	No
Triallate (µg/L) -TW1	2024/02/20	< MDL 0.01	230	No
Trichloroethylene (µg/L)-TW1	2024/02/20	< MDL 0.44	5	No
Trifluralin (µg/L)-TW1	2024/02/20	< MDL 0.02	45	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Vinyl Chloride (µg/L)-TW1	2024/02/20	< MDL 0.17	1	No
Trihalomethane: Total (µg/L) Annual Average - DW	4 Quarters (2025)	5.23	100.0	No
HAA Total (µg/L) Annual Average - DW	4 Quarters (2025)	< MDL 5.3	80.0	No

Note: TW = Treated Water, TW1= Idlewood, TW2= Greenpine, TW3= Carson Road, DW = Distribution Water, MDL = Minimum Detection Limit, MAC = Maximum Allowable Concentration, HAA = Haloacetic Acids

Note: The owner of a large municipal residential system shall ensure that at least one water sample for organics is taken every 36 months, if the system obtains water from a raw water supply that is ground water (O.Reg 170/03, Schedule 13-4(1)(b)). The last set of samples were collected and tested in 2024, the next set of samples are scheduled to be collected and tested in 2027.

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