

# Pleasant Point Drinking Water System

## 2025 Annual Water Report

Drinking Water System Number: 220006525

Drinking Water System Operating Authorities: City of Kawartha Lakes and Ontario  
Clean Water Agency

Drinking Water System Category: Large Municipal Residential

Reporting Period: January 1<sup>st</sup> – December 31<sup>st</sup>, 2025



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# 2025 Annual Drinking Water System Summary Report

## General Information

The City of Kawartha Lakes prepares a report summarizing system operation and water quality for every municipal drinking water system annually. This report has been prepared to satisfy the annual reporting requirements in O. Reg. 170/03 Section 11 and Schedule 22. The annual reports will be available to residents at the City of Kawartha Lakes Public Works Administration Office by appointment and the [City's website](#). Notification that the reports are available free of charge will be made on the City of Kawartha Lakes website. The City of Kawartha Lakes Public Works Administration Office is located at 322 Kent Street West in Lindsay, Ontario.

This system does not serve more than 10,000 residences.

- Drinking Water System Number:** 220006525
- Drinking Water System Name:** Pleasant Point Drinking Water System
- Drinking Water System Owner:** City of Kawartha Lakes
- Drinking Water System Category:** Large Municipal Residential
- Reporting Period:** January 1, 2025 – December 31, 2025

## Compliance Summary

**Table 1. Drinking Water Compliance Summary**

	Number of Events	Date (yyyy/mm/dd)	Details
<b>Ministry (MECP) Inspections</b>	1	2025 11 25	Unannounced Focused Drinking Water Inspection – Final Inspection Rating of 100%
<b>Adverse Water Quality Incidents (AWQIs)</b>	0		
<b>Non-Compliances</b>	0		
<b>Boil Water Advisories</b>	0		
<b>Health and Safety</b>	0		

## Drinking Water System Description

The Pleasant Point drinking water system is a large municipal residential drinking water system serving the community of Pleasant Point within the City of Kawartha Lakes. The drinking water system is classified as a Class I Water Treatment and Class I Water Distribution subsystem in accordance with O. Reg. 128/04.

### Source Water

The water supply for the system is obtained from two groundwater wells identified as Well #1 and Well #2R. These wells are designated as GUDI, meaning they are groundwater under the direct influence of surface water.

### Water Treatment Facility

The Pleasant Point water treatment facility consists of two cartridge filtration systems and two ultraviolet (UV) disinfection systems operating in parallel. The system includes six pre-charged pressure tanks and a sodium hypochlorite disinfection system for secondary disinfection. Chlorine contact time is provided through a 600 mm diameter chlorine contact pipe. The facility is equipped with monitoring equipment to ensure continuous compliance with operational and regulatory requirements.

A diesel generator is located onsite to provide standby power to the water treatment facility in the event of a power failure.

### Distribution System

The distribution system consists of approximately 2.1 kilometres of PVC watermain and is not rated for fire protection. There are no treated water storage facilities, chlorine boosting stations, secondary disinfection processes, or pressure boosting capabilities within the control of the distribution system.

**Table 2. Treatment Chemicals Used**

Chemical Name	Use	Supplier
Sodium Hypochlorite	Disinfection	Jutzi Water Technologies

## Summary of Non-Compliance

### Adverse Water Quality Incidents

There were no adverse water quality incidents reported during the reporting period.

## Non-Compliance

There were no non-compliances reported during the reporting period.

## Non-Compliance Identified in a Ministry Inspection

There were no non-compliances identified in a Ministry Inspection during this period.

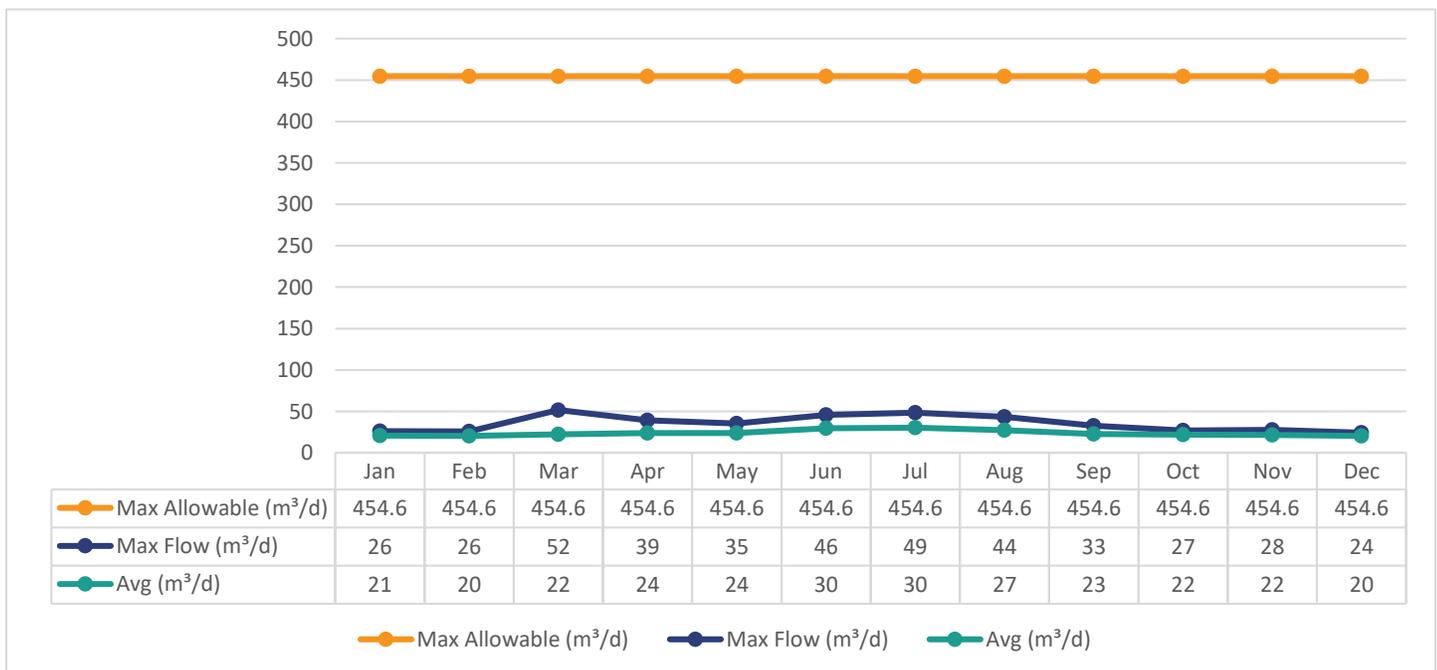
## Flows

The Pleasant Point Drinking Water System is operating on average under half the rated capacity. The rated capacity of the system (treated water flows) is 490 m<sup>3</sup>/day.

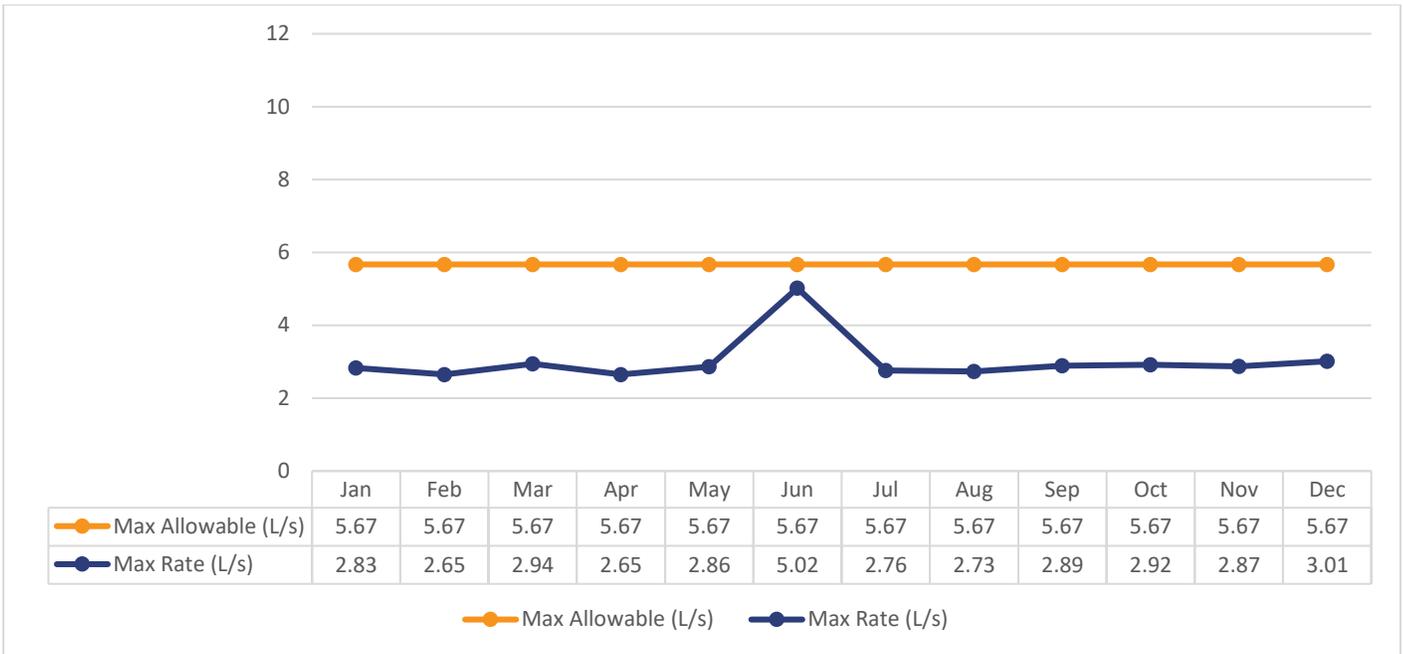
### Raw Water Flows

The raw water flows are regulated under the Permit to Take Water. Raw flow data for 2025 was submitted to the Ministry of Environment, Conservation and Parks (MECP) electronically under permit #5087-9ZQJJU and permit #6114-DJGK5A. The confirmation of the data that was submitted is attached in Appendix A. The Permit to Take Water compliance criteria is in litres per minute (L/min) but for the purposes of this report the flow rate is reported in litres per second (L/sec) based on industry standard for flow monitoring recording.

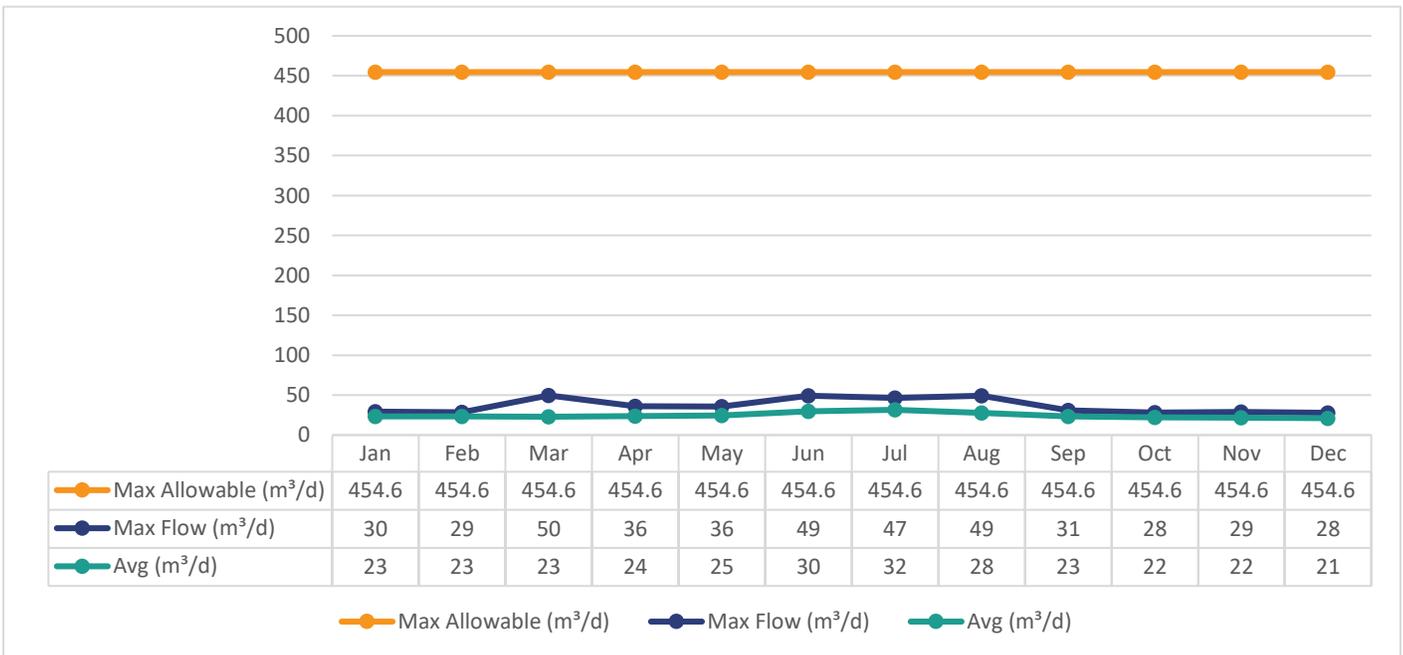
**Graph 1. Total Monthly Flows (m<sup>3</sup>/d) – Well #1 (Max Allowable PTTW)**



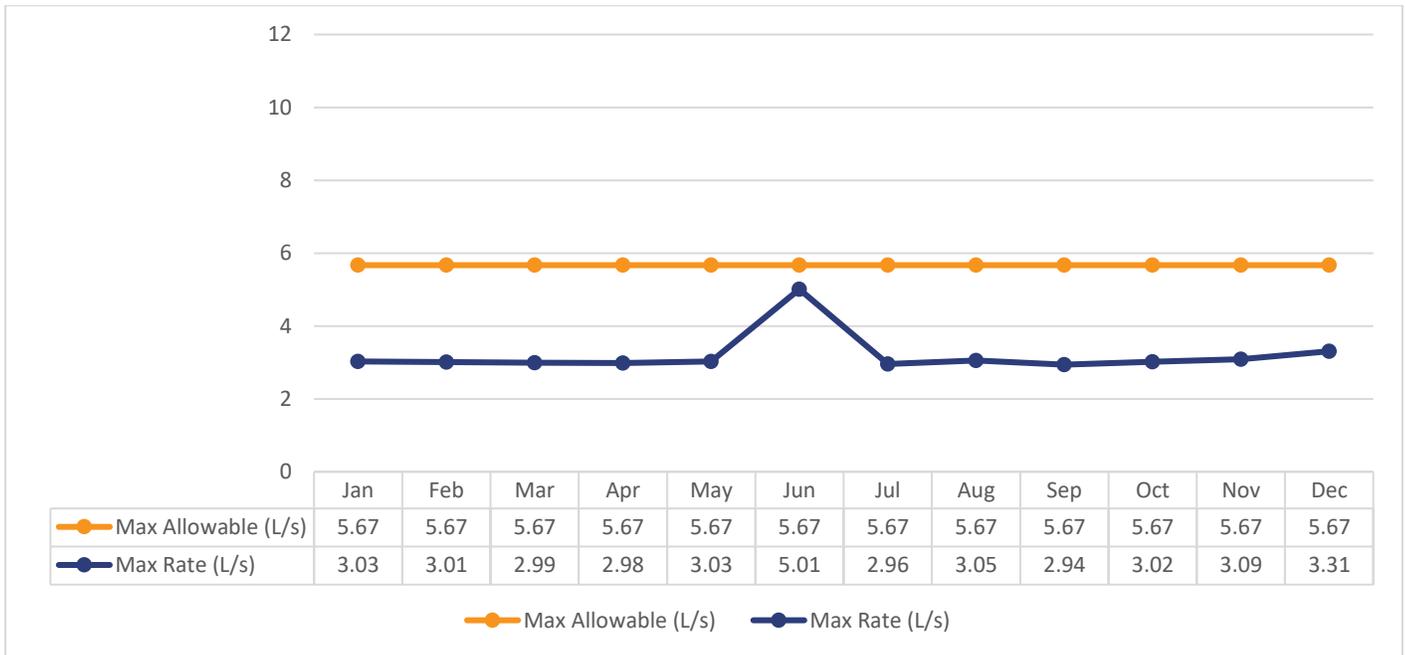
**Graph 2. Monthly Rated Flows (L/s) – Well #1 (Max Allowable Rate PTTW)**



**Graph 3. Total Monthly Flows (m³/d) – Well #2R (Max Allowable PTTW)**



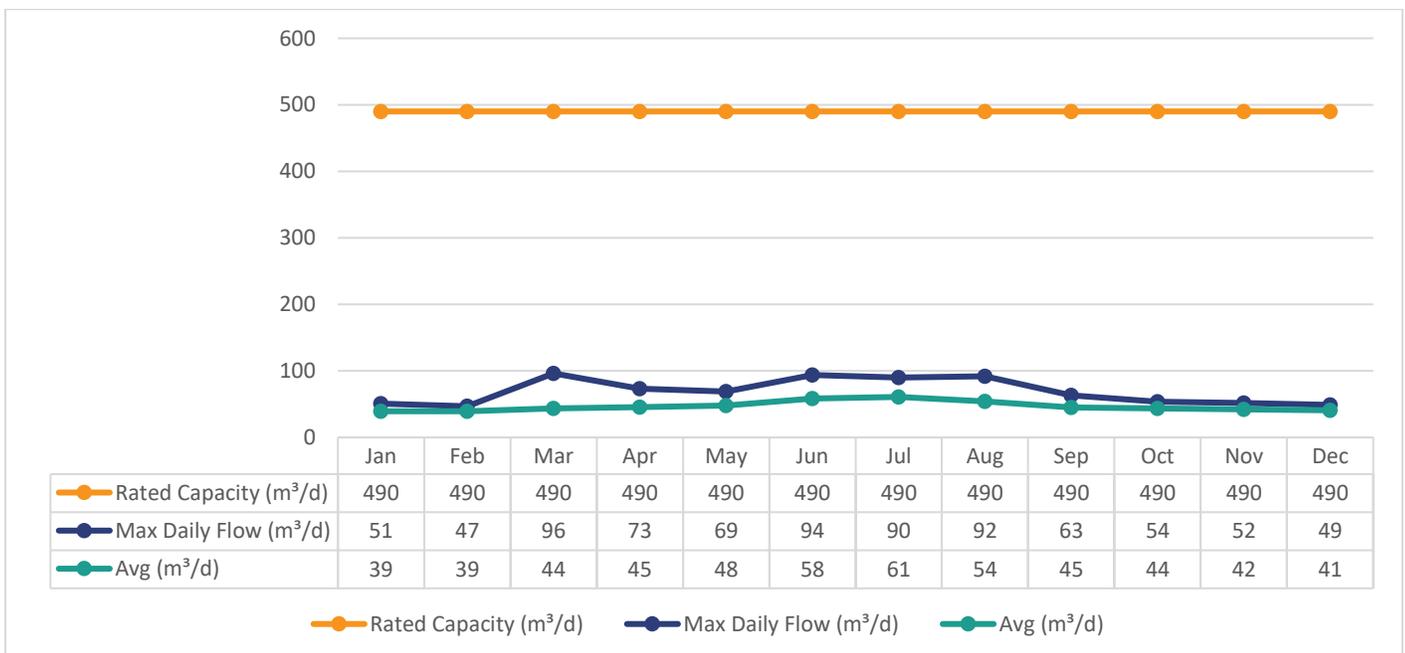
**Graph 4. Monthly Rated Flows (L/s) – Well #2R (Max Allowable Rate PTTW)**



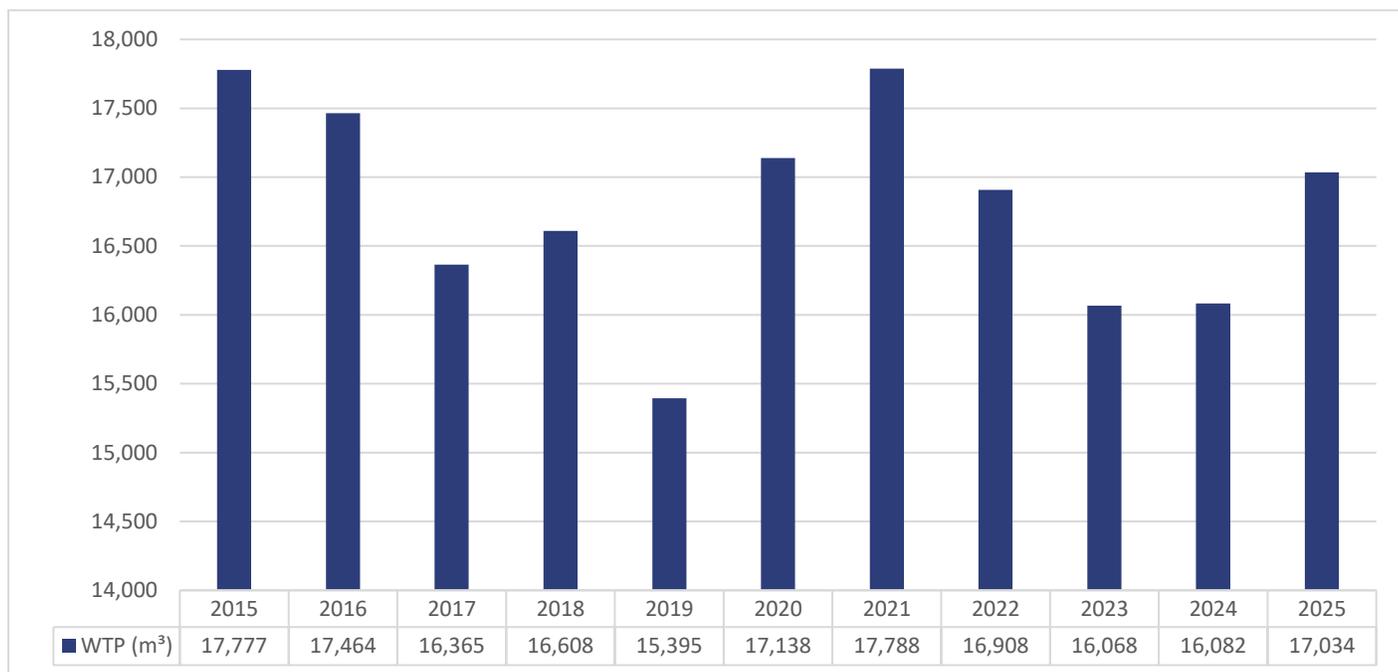
**Treated Water Flows**

The Treated Water flows are regulated under the Municipal Drinking Water Licence 141-113.

**Graph 5. Monthly Rated Flows (m<sup>3</sup>/d) – Rated Capacity - MDWL**



**Graph 6. Annual Total Flow Comparison (m<sup>3</sup>)**



## Regulatory Sample Results Summary

### Microbiological Testing

**Table 3. Microbiological Test Results**

	Number of Samples Collected	Range of E. Coli Results	Range of E. Coli Results	Range of Total Coliform Results	Range of Total Coliform Results	Range of HPC Results	Range of HPC Results
		Min	Max	Min	Max	Min	Max
<b>Raw Well 1</b>	52	0	0	0	0	N/A	N/A
<b>Raw Well 2R</b>	52	0	0	0	0	N/A	N/A
<b>Treated</b>	52	0	0	0	0	0	25
<b>Distribution</b>	156	0	0	0	0	0	12

OG = Overgrowth

HPC = Heterotrophic Plate Count

## Operational Testing

**Table 4. Operational Test Results**

Parameter	Number of Samples Collected	Range of Results Minimum	Range of Results Maximum
Turbidity Well 1 (NTU)	12	0.07	0.77
Turbidity Well 2R (NTU)	12	0.12	0.78
Turbidity – TW (NTU)	8760	0.00	2.00
Chlorine	8760	0.00	4.98
Fluoride (If the DWS provides fluoridation)	N/A	N/A	N/A

**Note:** Record the unit of measurement if it is **not** milligrams per litre.

**Note:** For continuous monitors 8760 is used as the number of samples. Spikes recorded by online instrumentation were a result of air bubbles and various maintenance/calibration activities. All spikes are reviewed for compliance with O. Reg. 170/03, any true exceedance would be documented in this report.

### Inorganic Parameters

These parameters are tested as a requirement under O. Reg. 170/03. Sodium and Fluoride are required to be tested every five years. Nitrate and Nitrate are tested quarterly and the metals are tested annually as required under O. Reg. 170/03. In the event any of the parameters listed in Schedule 23 or 24 of O. Reg. 170/03 exceed half of the maximum allowable concentration the parameter is required to be samples quarterly. Based on the latest test results no additional testing is required.

**Table 5. Inorganic Parameters Test Results**

	Sample Date (yyyy/mm/dd)	Sample Result	Unit of Measure	MAC	Exceedance
<b>Treated Water</b>					
Antimony	2025 01 06	<MDL 0.6	µg/L	6.0	No
Arsenic	2025 01 06	<MDL 0.2	µg/L	10.0	No
Barium	2025 01 06	75.6	µg/L	1000.0	No
Boron	2025 01 06	8.0	µg/L	5000.0	No
Cadmium	2025 01 06	<MDL 0.003	µg/L	5.0	No
Chromium	2025 01 06	0.34	µg/L	50.0	No
Mercury	2025 01 06	<MDL 0.01	µg/L	1.0	No
Selenium	2025 01 06	0.21	µg/L	50.0	No
Uranium	2025 01 06	1.37	µg/L	20.0	No
<b>Additional Organics</b>					

	Sample Date (yyyy/mm/dd)	Sample Result	Unit of Measure	MAC	Exceedance
Fluoride	2023 01 03	<MDL 0.06	mg/L	1.5	No
Nitrite	2025 01 06	<MDL 0.003	mg/L	1.0	No
Nitrite	2025 04 07	<MDL 0.003	mg/L	1.0	No
Nitrite	2025 07 07	<MDL 0.003	mg/L	1.0	No
Nitrite	2025 10 06	<MDL 0.003	mg/L	1.0	No
Nitrate	2025 01 06	1.60	mg/L	10.0	No
Nitrate	2025 04 07	2.02	mg/L	10.0	No
Nitrate	2025 07 07	2.11	mg/L	10.0	No
Nitrate	2025 10 06	2.14	mg/L	10.0	No
Sodium	2023 01 03	16.2	mg/L	20*	No

MAC = Maximum Allowable Concentration as per O. Reg. 169/03

MDL = Method Detection Limit

\*There is no "MAC" for Sodium. The aesthetic objective for sodium in drinking water is 200 mg/L. Sodium results exceeding 20 mg/L are to be reported to the Medical Officer of Health as per Schedule 16-3 (8) of O. Reg. 170/03.

### Schedule 15 Sampling (Lead)

The Schedule 15 sampling is required under O. Reg. 170/03. This system is under reduced sampling. Only distribution samples were collected, and no plumbing samples were collected.

**Table 6. Schedule 15 Test Results (Lead)**

	Number of Sampling Points	Number of Samples	Range of Results Minimum	Range of Results Maximum	MAC (µg/L)	Number of Exceedances
Alkalinity (mg/L)	1	2	262	271	N/A	N/A
pH	1	2	7.57	7.57	N/A	N/A
Lead (µg/L)	N/A	N/A	N/A	N/A	10.0	N/A

### Organic Parameters

These parameters are tested as a requirement under O. Reg. 170/03. In the event any of the parameters listed in Schedule 23 or 24 of O. Reg. 170/03 exceed half of the maximum allowable concentration the parameter is required to be samples quarterly. Based on the latest test results no additional testing is required.

**Table 7. Organic Parameters Test Results**

	Sample Date (yyyy/mm/dd)	Sample Result	Unit of Measure	MAC	Exceedance
<b>Treated Water</b>					
Alachlor	2025 01 06	<MDL 0.02	µg/L	5.0	No
Atrazine + N-dealkylated metabolites	2025 01 06	0.04	µg/L	5.0	No
Azinphos-methyl	2025 01 06	<MDL 0.05	µg/L	20.0	No
Benzene	2025 01 06	<MDL 0.32	µg/L	1.0	No
Benzo(a)pyrene	2025 01 06	<MDL 0.004	µg/L	0.01	No
Bromoxynil	2025 01 06	<MDL 0.33	µg/L	5.0	No
Carbaryl	2025 01 06	<MDL 0.05	µg/L	90.0	No
Carbofuran	2025 01 06	<MDL 0.01	µg/L	90.0	No
Carbon Tetrachloride	2025 01 06	<MDL 0.17	µg/L	2.0	No
Chlorpyrifos	2025 01 06	<MDL 0.02	µg/L	90.0	No
Diazinon	2025 01 06	<MDL 0.02	µg/L	20.0	No
Dicamba	2025 01 06	<MDL 0.2	µg/L	120.0	No
1,2-Dichlorobenzene	2025 01 06	<MDL 0.41	µg/L	200.0	No
1,4-Dichlorobenzene	2025 01 06	<MDL 0.36	µg/L	5.0	No
1,2-Dichloroethane	2025 01 06	<MDL 0.35	µg/L	5.0	No
1,1-Dichloroethylene	2025 01 06	<MDL 0.33	µg/L	14.0	No
Dichloromethane (Methylene Chloride)	2025 01 06	<MDL 0.35	µg/L	50.0	No
2,4-Dichlorophenol	2025 01 06	<MDL 0.15	µg/L	900.0	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2025 01 06	<MDL 0.19	µg/L	100.0	No
Diclofop-methyl	2025 01 06	<MDL 0.4	µg/L	9.0	No
Dimethoate	2025 01 06	<MDL 0.06	µg/L	20.0	No
Diquat	2025 01 06	<MDL 1.0	µg/L	70.0	No
Diuron	2025 01 06	<MDL 0.03	µg/L	150.0	No
Glyphosate	2025 01 06	<MDL 1.0	µg/L	280.0	No
Malathion	2025 01 06	<MDL 0.02	µg/L	190.0	No
2-Methyl-4- chlorophenoxyacetic Acid (MCPA)	2025 01 06	<MDL 0.12	µg/L	100.0	No
Metolachlor	2025 01 06	<MDL 0.01	µg/L	50.0	No
Metribuzin	2025 01 06	<MDL 0.02	µg/L	80.0	No
Monochlorobenzene (Chlorobenzene)	2025 01 06	<MDL 0.3	µg/L	80.0	No
Paraquat	2025 01 06	<MDL 1.0	µg/L	10.0	No
PCB	2025 01 06	<MDL 0.04	µg/L	3.0	No
Pentachlorophenol	2025 01 06	<MDL 0.15	µg/L	60.0	No

	Sample Date (yyyy/mm/dd)	Sample Result	Unit of Measure	MAC	Exceedance
Phorate	2025 01 06	<MDL 0.01	µg/L	2.0	No
Picloram	2025 01 06	<MDL 1.0	µg/L	190.0	No
Prometryne	2025 01 06	<MDL 0.03	µg/L	1.0	No
Simazine	2025 01 06	<MDL 0.01	µg/L	10.0	No
Terbufos	2025 01 06	<MDL 0.01	µg/L	1.0	No
Tetrachloroethylene	2025 01 06	<MDL 0.35	µg/L	10.0	No
2,3,4,6- Tetrachlorophenol	2025 01 06	<MDL 0.2	µg/L	100.0	No
Triallate	2025 01 06	<MDL 0.01	µg/L	230.0	No
Trichloroethylene	2025 01 06	<MDL 0.44	µg/L	5.0	No
2,4,6-Trichlorophenol	2025 01 06	<MDL 0.25	µg/L	5.0	No
Trifluralin	2025 01 06	<MDL 0.02	µg/L	45.0	No
Vinyl Chloride	2025 01 06	<MDL 0.17	µg/L	1.0	No
<b>Distribution Water</b>					
Trihalomethane Total Annual Average Q1	2025 01 06	7.90	µg/L	100.0	No
Trihalomethane Total Annual Average Q2	2025 04 04	2.60	µg/L	100.0	No
Trihalomethane Total Annual Average Q3	2025 07 07	7.30	µg/L	100.0	No
Trihalomethane Total Annual Average Q4	2025 10 06	10.00	µg/L	100.0	No
HAA Total Annual Average Q1	2025 01 06	<MDL 5.3	µg/L	80.0	No
HAA Total Annual Average Q2	2025 04 04	<MDL 5.3	µg/L	80.0	No
HAA Total Annual Average Q3	2025 07 07	<MDL 5.3	µg/L	80.0	No
HAA Total Annual Average Q4	2025 10 06	<MDL 5.3	µg/L	80.0	No

MAC = Maximum Allowable Concentration as O. Reg. 169/03

MDL = Method Detection Limit

## Additional Legislated Samples

There were no additional legislated samples required to report during this reporting period.

## Minor Maintenance

- Floor repair
- Chlorine pumps tubing replacement

- UV 2 bulb replacement
- Turbidity analyzer upgrade
- Generator power transfer switch repair
- CKL SCADA cabinet UPS
- UV 1 low intensity
- Alarm dialer communication

## **Major Maintenance Expense (above \$10,000)**

Under Section 11 of O. Reg. 170/03, a description of any major expenses incurred during this reporting period to install, repair or replace required equipment must be included in the annual report. The details of the major expenses for this drinking water system are as follows:

Nothing to report for the reporting period.

# APPENDIX A

## WTR Submission Confirmation



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Conservation and Parks

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**Water Taking Data submitted successfully.**

**Confirmation:**

Thank you for submitting your water taking data online.

Permit Number: 5087-9ZQJJU  
Permit Holder: THE CORPORATION OF THE CITY OF KAWARTHA LAKES.  
Received on: Feb 13, 2026 1:21 PM

This confirmation indicates that your data has been received by the Ministry, but should not be construed as acceptance of this data if it differs from that specified on the Permit Number, assigned to the Permit Holder stated above.

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**Water Taking Data submitted successfully.**

**Confirmation:**

Thank you for submitting your water taking data online.

Permit Number: 6114-DJGK5A  
Permit Holder: THE CORPORATION OF THE CITY OF KAWARTHA LAKES.  
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