

Victoria Place Drinking Water System

2025 Annual Water Report

Drinking Water System Number: 220011895

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

Drinking Water System Category: Large Municipal Residential

Reporting Period: January 1st – December 31st, 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: 220011895

Drinking Water System Name: Victoria Place 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
Ministry (MECP) Inspections	1	2025 10 07	Announced, Focused Drinking Water Inspection, Final Report 100%
Adverse Water Quality Incidents (AWQIs)	0		
Non-Compliances	0		
Boil Water Advisories	0		
Health and Safety	0		

Drinking Water System Description

The Victoria Place drinking water system is a large municipal residential drinking water system serving the subdivision of Victoria Place near Bobcaygeon, Ontario, within the City of Kawartha Lakes. The drinking water system is classified as a Class II Water Distribution and Supply subsystem in accordance with O. Reg. 128/04.

Source Water

The water supply for the system is obtained from four groundwater wells identified as Well #1, Well #2, Well #3 and Well #7. The wells are arranged into two well banks, with Bank No. 1 consisting of Wells #1, #2, and #3, and Bank No. 2 consisting of Well #7. These wells are designated as non-GUDI, meaning they are not groundwater under the direct influence of surface water.

Water Treatment Facility

The Victoria Place water treatment facility includes a sodium hypochlorite disinfection system and a single unbaffled reservoir (clearwell) with high lift pumps. Primary and secondary disinfection is achieved using sodium hypochlorite. Continuous online monitoring of chlorine residual ensures compliance with 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 5.4 kilometres of PVC watermain and is not rated for fire protection. The system does not include 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.

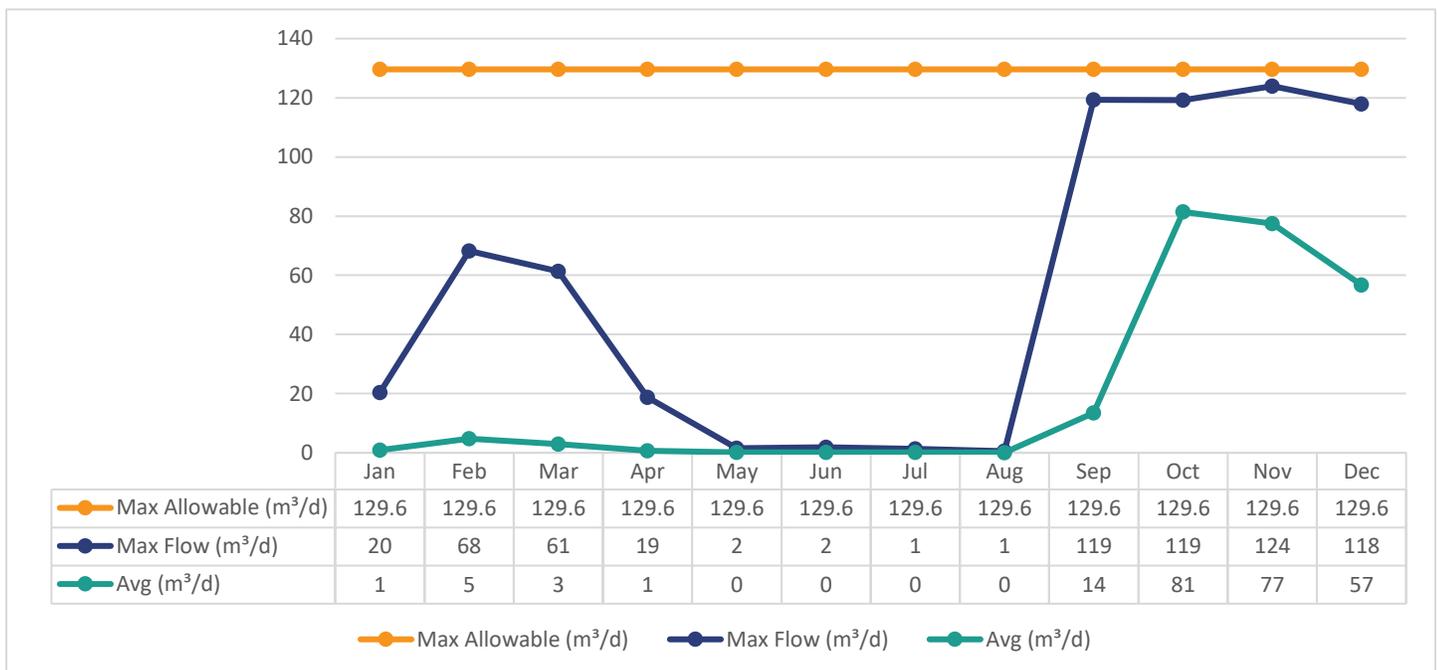
Flows

The Victoria Place Drinking Water System is operating on average under half the rated capacity. The rated capacity of the system (treated water flows) is 331 m³/day.

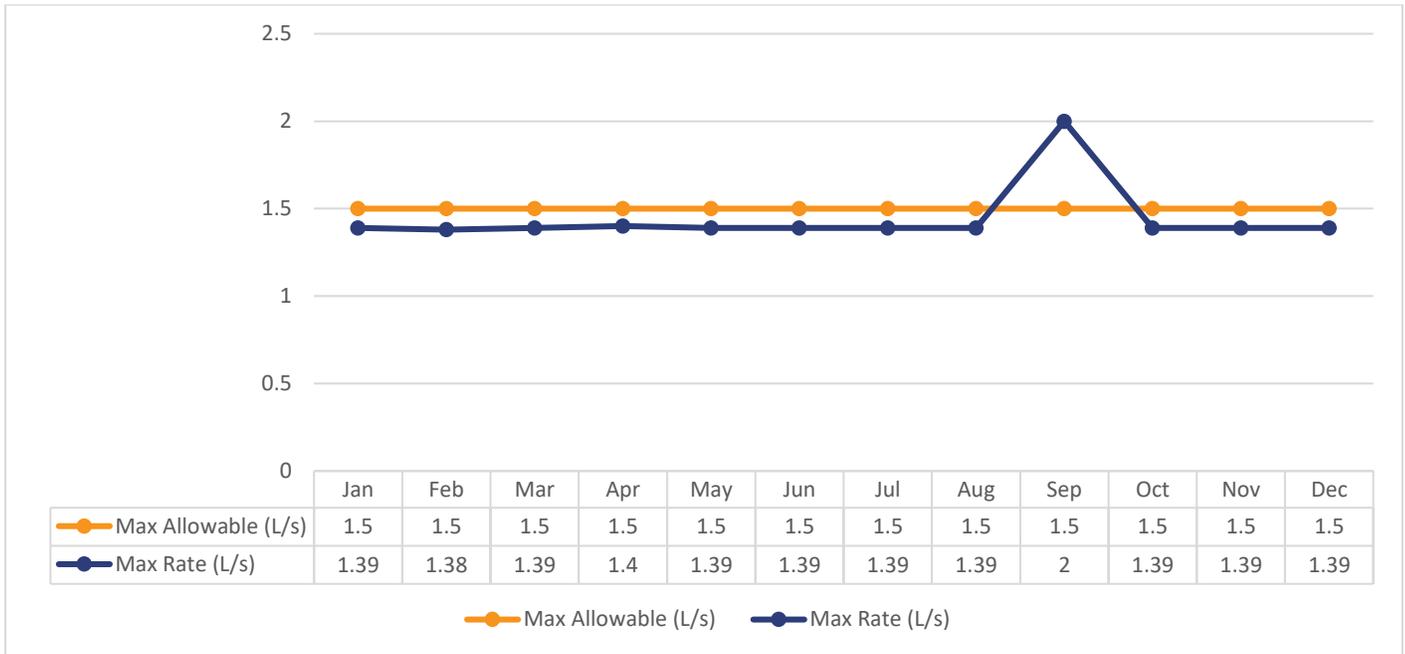
Raw Water Flows

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 #5275-AY5Q6S. The confirmation of the data that was submitted is attached in Appendix A.

Graph 1. Total Monthly Flows (m³/d) – Well #1 (Max Allowable PTTW)

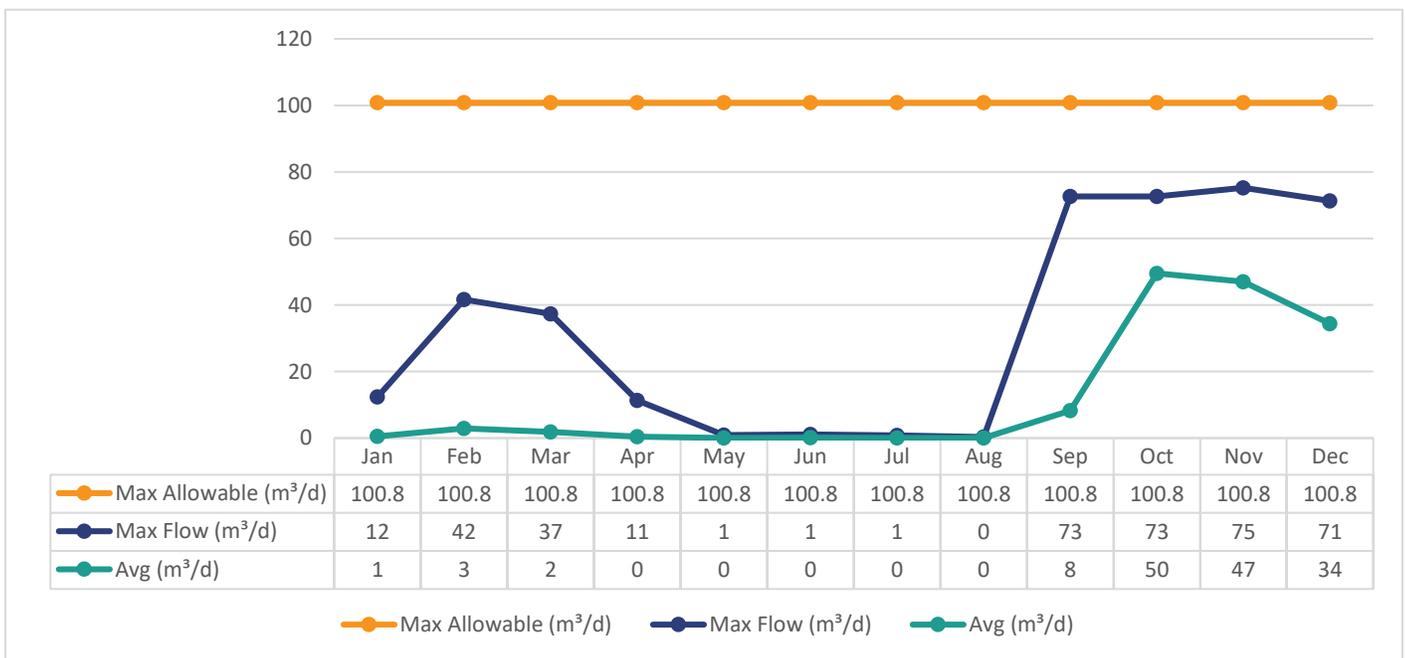


Graph 2. Monthly Rated Flows (L/s) – Well #1 (Max Allowable Rate PTTW)

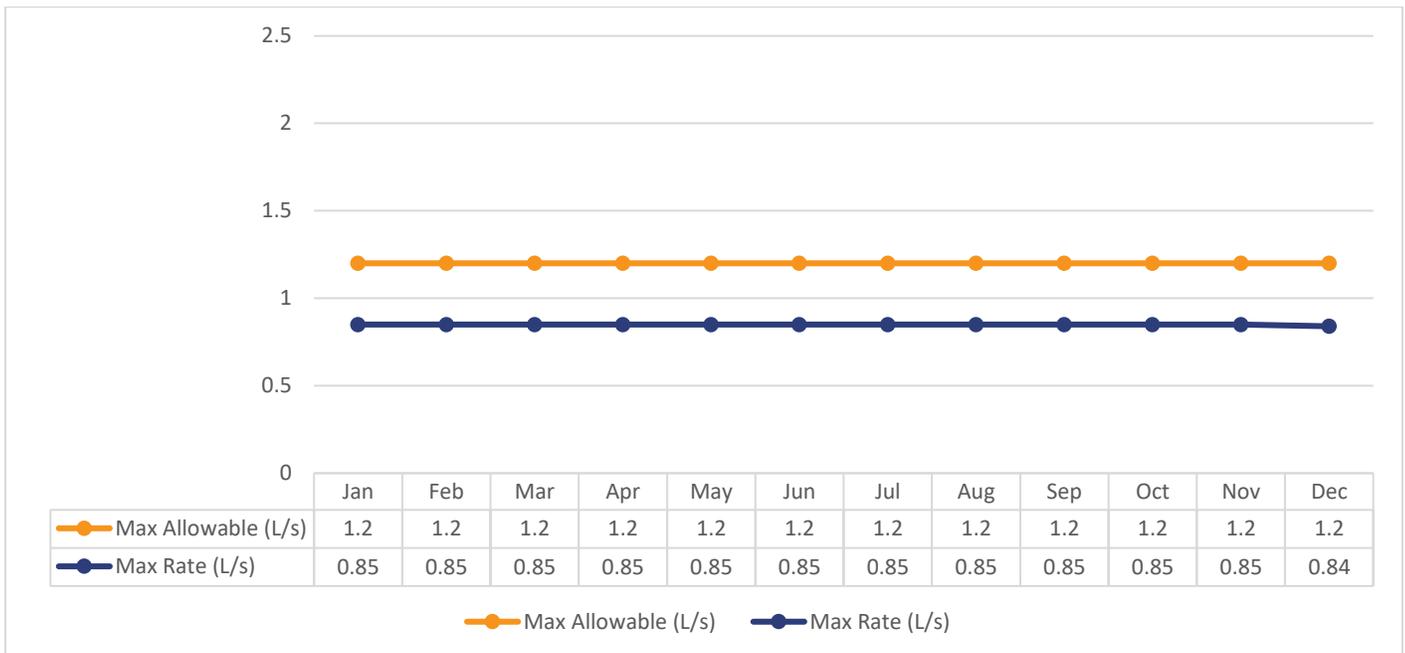


Note: Certain operational circumstances could cause results to be temporarily outside of the allowable rates. In September 2025, the allowable rate was momentarily surpassed due to annual calibration of the flow meter and did not indicate a true exceedance. All spikes are reviewed for compliance with O. Reg. 170/03.

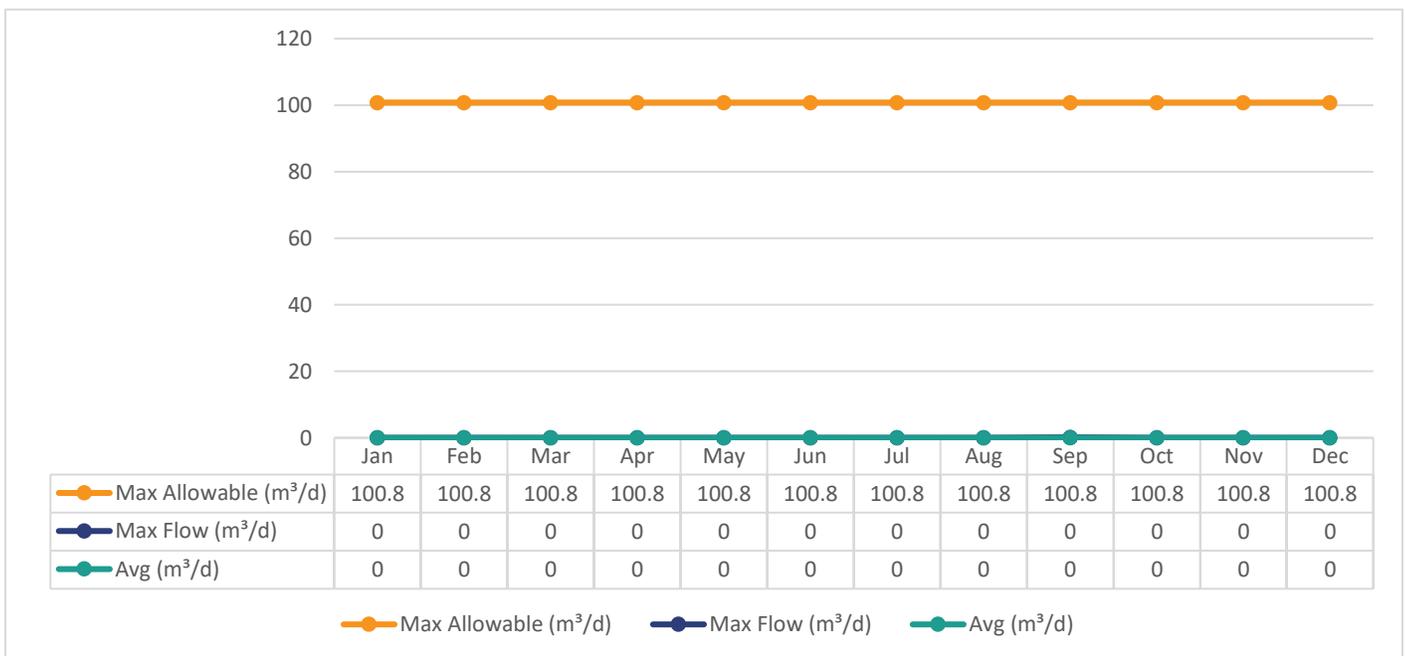
Graph 3. Total Monthly Flows (m³/d) – Well #2 (Max Allowable PTTW)



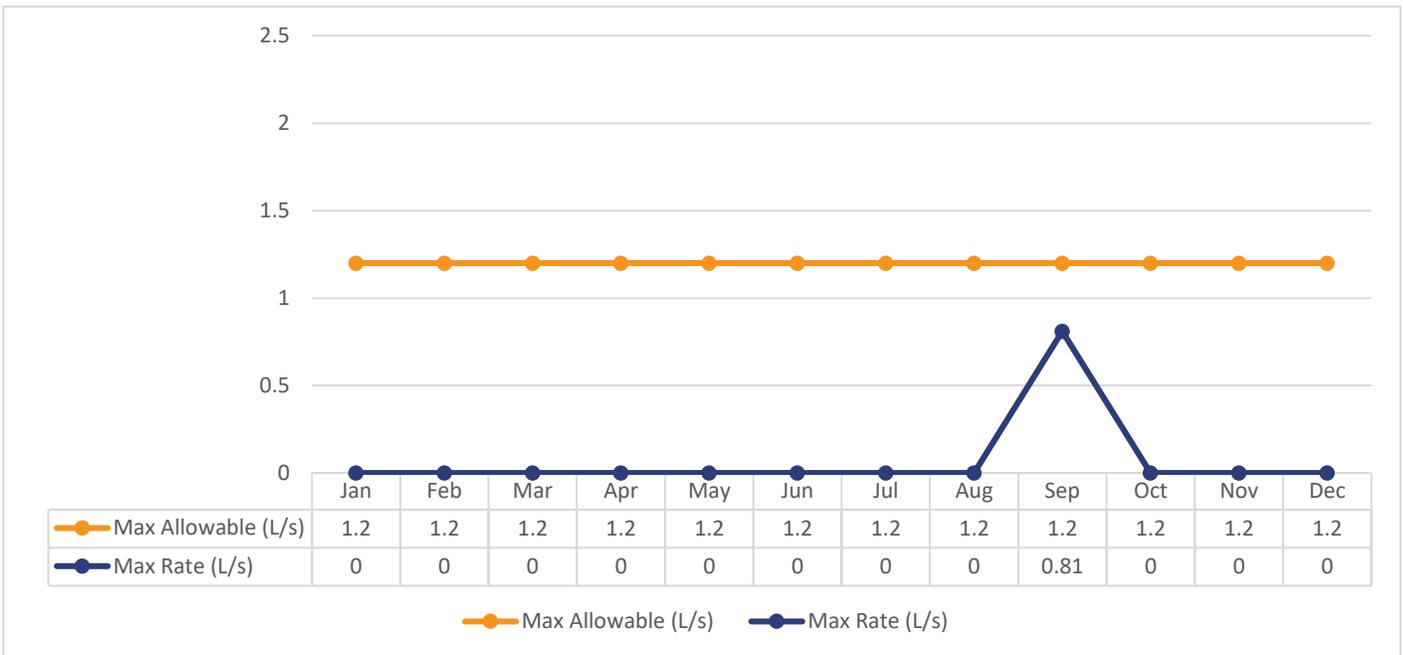
Graph 4. Monthly Rated Flows (L/s) – Well #2 (Max Allowable Rate



Graph 5. Total Monthly Flows (m³/d) – Well #3 (Max Allowable PTTW)

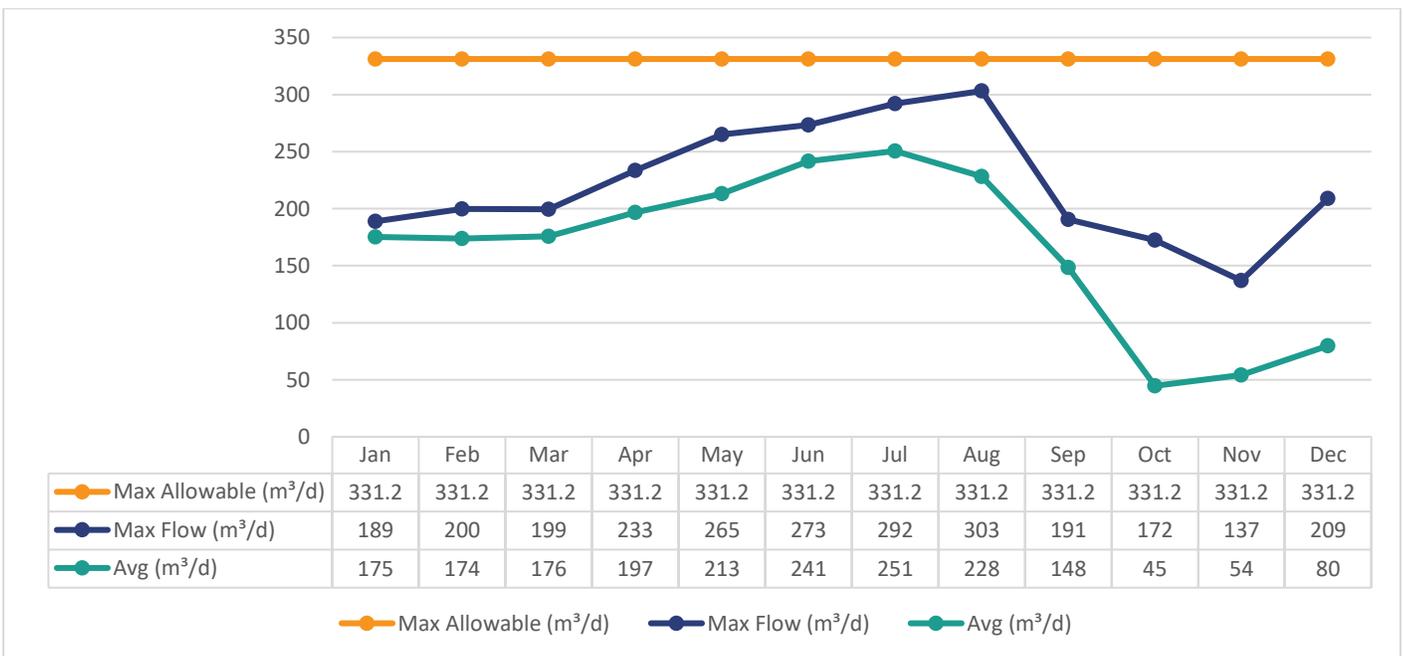


Graph 6. Monthly Rated Flows (L/s) – Well #3 (Max Allowable Rate PTTW)

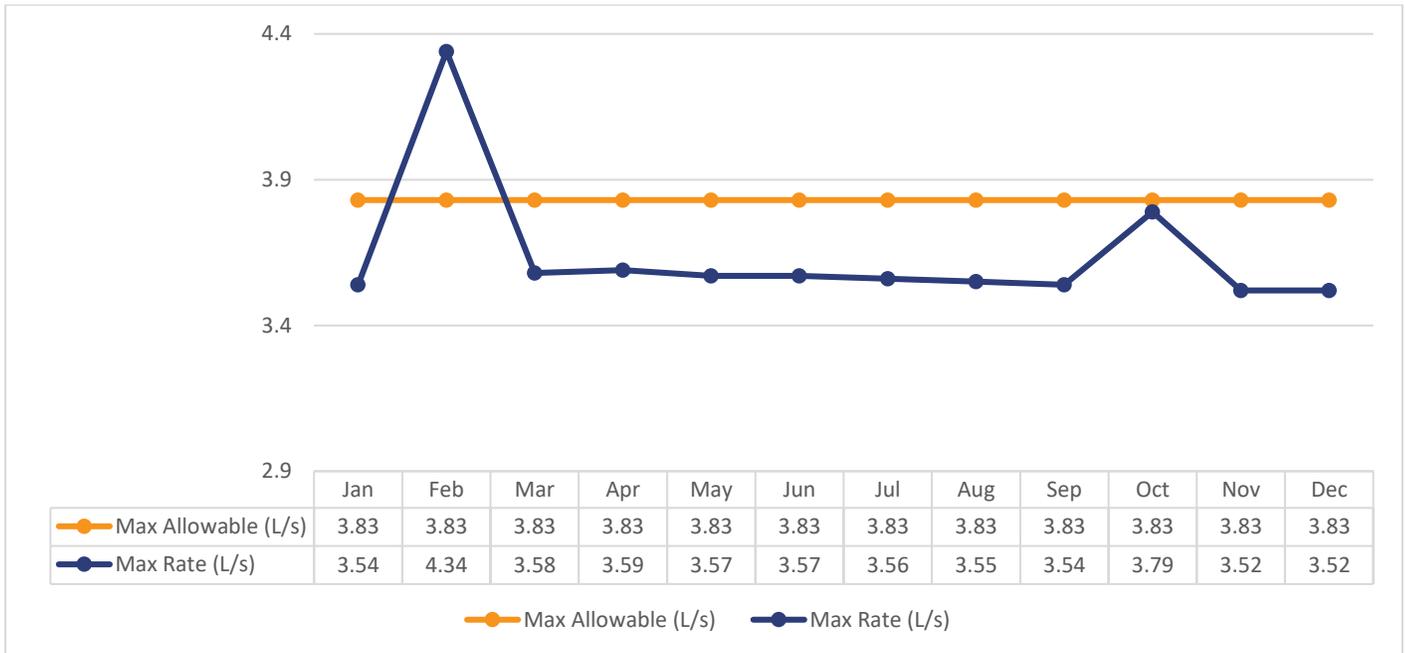


Note: Well #3 not in use following well casing collapse on September 28, 2023. In September 2025, the significant spike was due to annual calibration of the flow meter and did not indicate a true value. All spikes are reviewed for compliance with O. Reg. 170/03.

Graph 7. Total Monthly Flows (m³/d) – Well #7 (Max Allowable PTTW)



Graph 8. Monthly Rated Flows (L/s) – Well #7 (Max Allowable Rate PTTW)

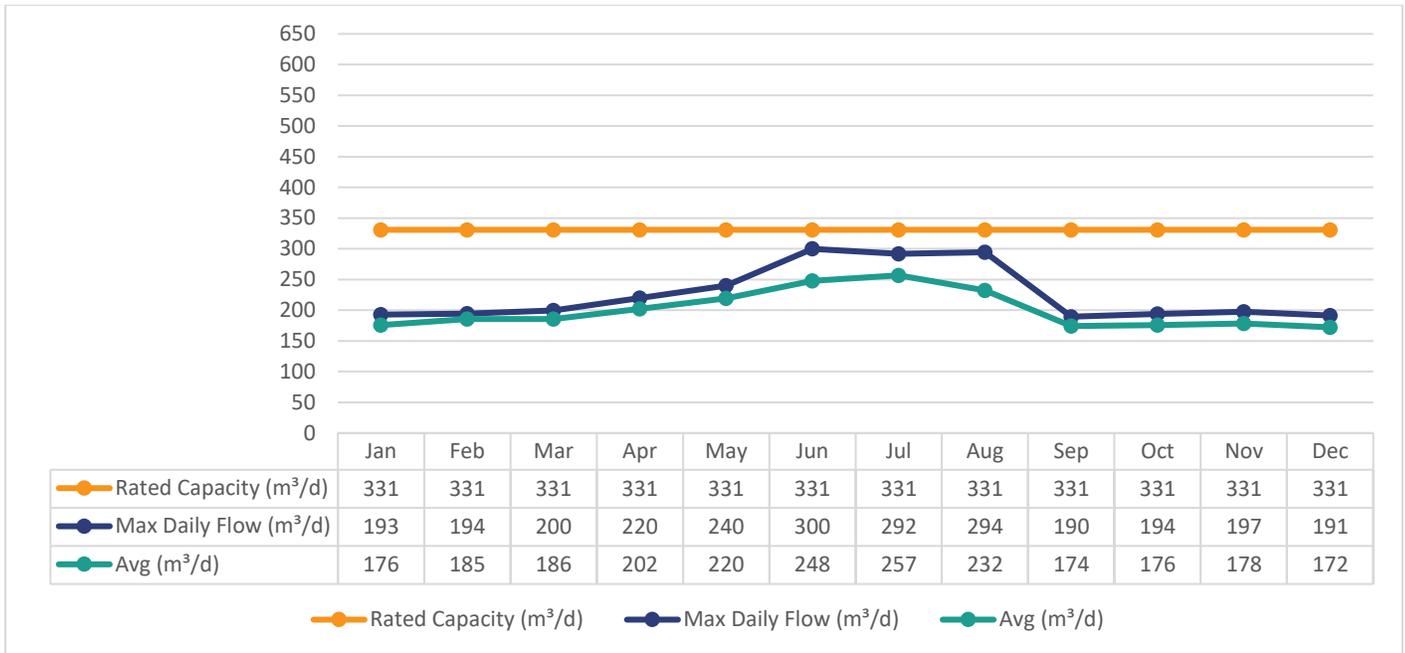


Note: Certain operational circumstances could cause results to be temporarily outside of the allowable rates. In February 2025, the allowable rate was momentarily surpassed due to a brief spike caused by well pump start up. All spikes are reviewed for compliance with O. Reg. 170/03.

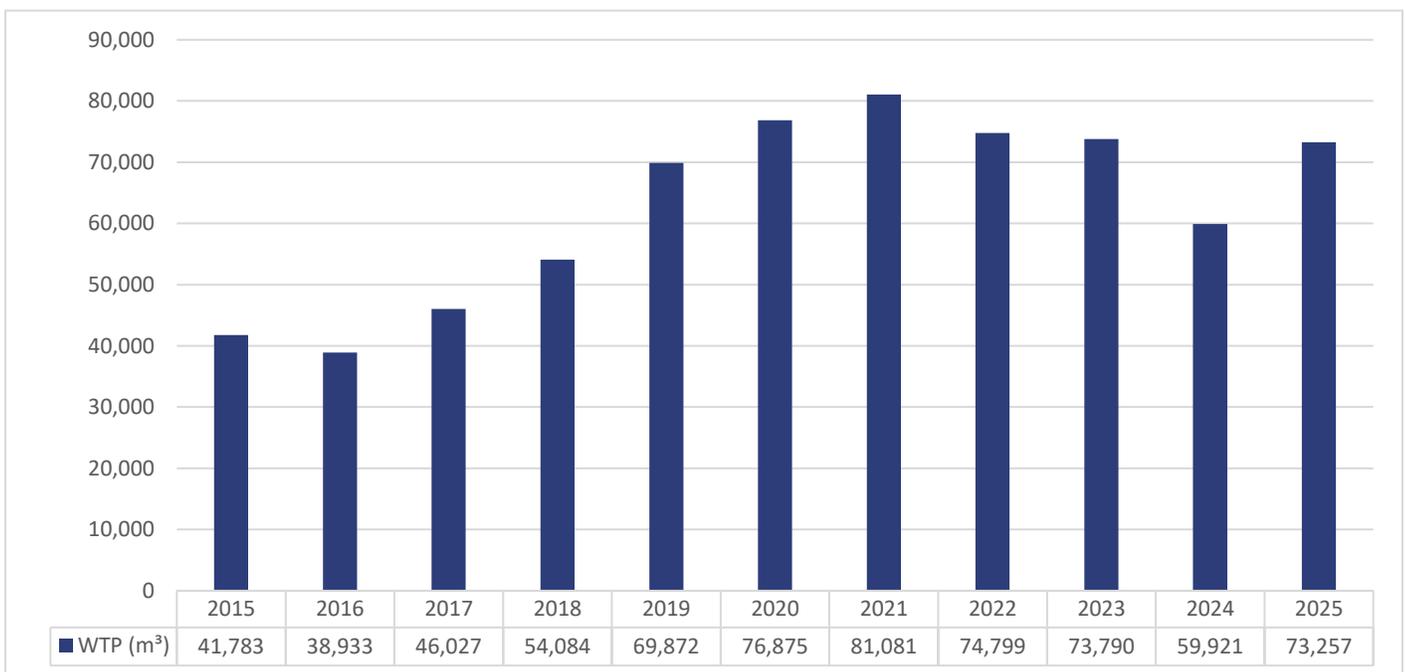
Treated Water Flows

The Treated Water flows are regulated under the Municipal Drinking Water Licence 141-114.

Graph 9. Monthly Rated Flows (m³/d) – Rated Capacity - MDWL



Graph 10. Annual Total Flow Comparison (m³)



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
Raw Well 1	52	0	0	0	1	N/A	N/A
Raw Well 2	52	0	1	0	2	N/A	N/A
Raw Well 3	0*	N/A	N/A	N/A	N/A	N/A	N/A
Raw Well 7	52	0	0	0	0	N/A	N/A
Treated	56	0	0	0	0	0	4
Distribution	156	0	0	0	0	0	3

OG = Overgrowth

HPC = Heterotrophic Plate Count

Note: Well #3 not in use following well casing collapse on September 28, 2023.

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	0.10	0.24
Turbidity Well 2 (NTU)	12	0.08	0.38
Turbidity Well 3 (NTU)	0*	N/A	N/A
Turbidity Well 7 (NTU)	12	0.08	0.38
Chlorine	8760	0.00	1.97
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.

Note: Well #3 not in use following well casing collapse on September 28, 2023.

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 Nitrite are tested quarterly and the metals are tested every three years 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
Treated Water					
Antimony	2023 01 09	<MDL 0.6	µg/L	6.0	No
Arsenic	2023 01 09	<MDL 0.2	µg/L	10.0	No
Barium	2023 01 09	118.0	µg/L	1000.0	No
Boron	2023 01 09	25.0	µg/L	5000.0	No
Cadmium	2023 01 09	0.003	µg/L	5.0	No
Chromium	2023 01 09	0.41	µg/L	50.0	No
Mercury	2023 01 09	<MDL 0.01	µg/L	1.0	No
Selenium	2023 01 09	0.5	µg/L	50.0	No
Uranium	2023 01 09	0.269	µg/L	20.0	No
Additional Organics					
Fluoride	2023 01 09	<MDL 0.06	mg/L	1.5	No
Nitrate	2025 01 06	4.43	mg/L	10.0	No
Nitrate	2025 04 14	3.49	mg/L	10.0	No
Nitrate	2025 07 14	3.58	mg/L	10.0	No
Nitrate	2025 10 06	5.01	mg/L	10.0	No
Nitrite	2025 01 06	<MDL 0.003	mg/L	1.0	No
Nitrite	2025 04 14	<MDL 0.003	mg/L	1.0	No
Nitrite	2025 07 14	<MDL 0.003	mg/L	1.0	No
Nitrite	2025 10 06	<MDL 0.003	mg/L	1.0	No
Sodium	2025 01 06	33.8	mg/L	20*	Yes

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)	2	4	115	262	N/A	N/A
pH	2	4	7.36	7.55	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
Treated Water					
Alachlor	2023 01 09	<MDL 0.02	µg/L	5.0	No
Atrazine + N-dealkylated metabolites	2023 01 09	<MDL 0.01	µg/L	5.0	No
Azinphos-methyl	2023 01 09	<MDL 0.05	µg/L	20.0	No
Benzene	2023 01 09	<MDL 0.32	µg/L	1.0	No
Benzo(a)pyrene	2023 01 09	<MDL 0.004	µg/L	0.01	No
Bromoxynil	2023 01 09	<MDL 0.33	µg/L	5.0	No
Carbaryl	2023 01 09	<MDL 0.05	µg/L	90.0	No
Carbofuran	2023 01 09	<MDL 0.01	µg/L	90.0	No
Carbon Tetrachloride	2023 01 09	<MDL 0.17	µg/L	2.0	No
Chlorpyrifos	2023 01 09	<MDL 0.02	µg/L	90.0	No
Diazinon	2023 01 09	<MDL 0.02	µg/L	20.0	No
Dicamba	2023 01 09	<MDL 0.2	µg/L	120.0	No

	Sample Date (yyyy/mm/dd)	Sample Result	Unit of Measure	MAC	Exceedance
1,2-Dichlorobenzene	2023 01 09	<MDL 0.41	µg/L	200.0	No
1,4-Dichlorobenzene	2023 01 09	<MDL 0.36	µg/L	5.0	No
1,2-Dichloroethane	2023 01 09	<MDL 0.35	µg/L	5.0	No
1,1-Dichloroethylene	2023 01 09	<MDL 0.33	µg/L	14.0	No
Dichloromethane (Methylene Chloride)	2023 01 09	<MDL 0.35	µg/L	50.0	No
2,4-Dichlorophenol	2023 01 09	<MDL 0.15	µg/L	900.0	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2023 01 09	<MDL 0.19	µg/L	100.0	No
Diclofop-methyl	2023 01 09	<MDL 0.4	µg/L	9.0	No
Dimethoate	2023 01 09	<MDL 0.06	µg/L	20.0	No
Diquat	2023 01 09	<MDL 1.0	µg/L	70.0	No
Diuron	2023 01 09	<MDL 0.03	µg/L	150.0	No
Glyphosate	2023 01 09	<MDL 1.0	µg/L	280.0	No
Malathion	2023 01 09	<MDL 0.02	µg/L	190.0	No
2-Methyl- 4chlorophenoxyacetic Acid (MCPA)	2023 01 09	<MDL 0.12	µg/L	100.0	No
Metolachlor	2023 01 09	<MDL 0.01	µg/L	50.0	No
Metribuzin	2023 01 09	<MDL 0.02	µg/L	80.0	No
Monochlorobenzene (Chlorobenzene)	2023 01 09	<MDL 0.3	µg/L	80.0	No
Paraquat	2023 01 09	<MDL 1.0	µg/L	10.0	No
PCB	2023 01 09	<MDL 0.04	µg/L	3.0	No
Pentachlorophenol	2023 01 09	<MDL 0.15	µg/L	60.0	No
Phorate	2023 01 09	<MDL 0.01	µg/L	2.0	No
Picloram	2023 01 09	<MDL 1.0	µg/L	190.0	No
Prometryne	2023 01 09	<MDL 0.03	µg/L	1.0	No
Simazine	2023 01 09	<MDL 0.01	µg/L	10.0	No
Terbufos	2023 01 09	<MDL 0.01	µg/L	1.0	No
Tetrachloroethylene	2023 01 09	<MDL 0.35	µg/L	10.0	No
2,3,4,6- Tetrachlorophenol	2023 01 09	<MDL 0.2	µg/L	100.0	No
Triallate	2023 01 09	<MDL 0.01	µg/L	230.0	No
Trichloroethylene	2023 01 09	<MDL 0.44	µg/L	5.0	No
2,4,6-Trichlorophenol	2023 01 09	<MDL 0.25	µg/L	5.0	No
Trifluralin	2023 01 09	<MDL 0.02	µg/L	45.0	No
Vinyl Chloride	2023 01 09	<MDL 0.17	µg/L	1.0	No
Distribution Water					
Haloacetic Acids Running Annual Average Q1	2025 01 06	<MDL 5.3	µg/L	80.0	No

	Sample Date (yyyy/mm/dd)	Sample Result	Unit of Measure	MAC	Exceedance
Haloacetic Acids Running Annual Average Q2	2025 04 14	<MDL 5.3	µg/L	80.0	No
Haloacetic Acids Running Annual Average Q3	2025 07 14	<MDL 5.3	µg/L	80.0	No
Haloacetic Acids Running Annual Average Q4	2025 10 06	<MDL 5.3	µg/L	80.0	No
Trihalomethane Running Annual Average Q1	2025 01 06	20.0	µg/L	100.0	No
Trihalomethane Running Annual Average Q2	2025 04 14	19.75	µg/L	100.0	No
Trihalomethane Running Annual Average Q3	2025 07 14	18.50	µg/L	100.0	No
Trihalomethane Running Annual Average Q4	2025 10 06	18.00	µg/L	100.0	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

- Well 4, well cap repair
- Failed smoke detector, replace
- High lift pump 1 replacement
- High lift pump 2 motor failure
- Well 2 meter level replace

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



Ministry of the Environment,
Conservation and Parks

| [WT DATA](#) | [USER PROFILE](#) | [CONTACT US](#) | [HELP](#) | [HOME](#) | [LOGOUT](#) |

Location: [WTRS](#) / [WT DATA](#) / [Edit Submitted WT Records](#)

WTRS-WT-008

Water Taking Data submitted successfully.

Confirmation:

Thank you for submitting your water taking data online.

Permit Number: 5275-AY5Q6S

Permit Holder: THE CORPORATION OF THE CITY OF KAWARTHA LAKES.

Received on: Jan 28, 2026 12:02 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.