

February 2026

Mayor James McPherson and Council  
The Corporation of the Municipality of Greenstone  
P.O. Box 70  
Geraldton, Ontario  
P0T 1M0

**Re: 2025 O.Reg 170/03 Schedule 22 Summary Report, O.Reg 170/03 Section 11 Annual Report & O.Reg 387/04 Annual Record of Water Taking for the:**

- Beardmore Drinking-Water System**
- Caramat Drinking-Water System**
- Geraldton Drinking-Water System**
- Longlac Drinking-Water System**
- Nakina Drinking-Water System**

Attached are the 2025 Annual and Summary Reports for the Greenstone Drinking Water Systems. The Reports are based on information provided by Operators in accordance with Section 11 and Schedule 22 of O. Reg. 170/03, under the Safe Drinking Water Act. A confirmation of submission of the PTTW reporting, as required by O.Reg. 387, is included as part of the report.

As per Schedule 22 of O. Reg. 170/03, this Summary Report is to be provided to the members of the municipal council no later than March 31, 2025. Please ensure this distribution.

Section 12 of O. Reg. 170/03, requires both the Summary Report and the Annual Report be made available for inspection by any member of the public during normal business hours, without charge. The reports should be made available for inspection at the office of the municipality or at a location that is reasonably convenient to the users of the water system

These reports were prepared by the Ontario Clean Water Agency on behalf of the Corporation of the Municipality of Greenstone and are based on information kept on record by OCWA at each specific water treatment plant. The report covers the period January 1<sup>st</sup> through to December 31<sup>st</sup> 2025.

Yours truly,



Matthew Johns  
Senior Operations Manager  
Northwestern Ontario Regional Hub  
807-853-2356

Copy to: Mark Wright - CAO  
Brian Aaltonen – Director of Public Services  
Operations Staff – Beardmore WTP  
Operations Staff – Caramat WTP  
Operations Staff – Geraldton WTP  
Operations Staff – Longlac WTP  
Operations Staff – Nakina WTP

# ***Beardmore Drinking Water System***

Large Municipal Residential Drinking Water System

January 1 – December 31, 2025

*O.Reg 170/03 Schedule 22 Summary Report  
O.Reg 170/03 Section 11 Annual Report  
&  
O.Reg 387/04 Annual Record of Water Taking*

Issued: **February 2026**

Prepared by the



**Ontario Clean Water Agency  
Agence Ontarienne Des Eaux**



*Drinking-Water System Number:* 210001264  
*Drinking-Water System Name:* Beardmore Drinking Water System  
*Drinking-Water System Owner:* The Corporation of the Municipality of Greenstone  
*Drinking-Water System Category:* Large Municipal Residential Drinking Water-System  
*Period being reported:* [January 1 – December 31, 2025](#)

## SECTION 1: INTRODUCTION

This document is prepared in accordance with Section 11 and Schedule 22 of O.Reg.170/03 under the Safe Drinking Water Act and with Section 9 of O.Reg.387/04 under the Ontario Water Resources Act.

The reports are prepared by the Ontario Clean Water Agency on behalf of the Corporation of the Municipality of Greenstone. Acronyms and definitions can be found at the end of the report.

A copy of the Summary Report must be provided to the members of the municipal council by [March 31, 2026](#).

## SECTION 2: REQUIREMENTS OF THE REPORTS

### ***Schedule 22 Report***

The report must list the requirements of the Act, the regulations, the system's approval and any order that the system failed to meet at any time during the period covered by the report. It must also specify the duration of the failure, and for each failure referred to, describe the measures that were taken to correct the failure.

For the purpose of enabling the owner of the system to assess the rated capability of their system to meet existing and future planned water uses, the following information is required to be included in this report:

- A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows.
- A comparison of the summary to the rated capacity and flow rates approved in the systems approval.

### ***Section 11 Report***

The annual report must contain the following:

- A brief description of the drinking water system and a list of chemicals used by the system.
- A description of any major expenses incurred during the period covered by the report to install, repair or replace required equipment.
- A summary of all adverse water quality incidents (AWQI) reported to the Ministry



- A summary of corrective actions taken in response all AWQIs
- A summary of all test results required under the regulation, under an approval, municipal drinking water license or order, including an OWRA order.
- A statement of where a Schedule 22 report will be available for inspection.

The report must be prepared not later than **February 28** of the following year.

**Regulation 387 Report**

On or before March 31 in every year, every holder of a permit to take water (PTTW) shall submit to a Director the data collected and recorded for the previous year.

A record of annual water taking can be found in [Appendix A. –Annual Water Taking Data](#)

**SECTION 3: SECTION 11 REPORT**

Information	
<b>Population Served</b>	250
<b>Does your Drinking-Water System serve more than 10,000 people?</b>	Yes [ ] No [ X ]
<b>Is your annual report available to the public at no charge on a web site on the Internet?</b>	Yes [X] No [ ]
<b>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</b>	<b>Geraldton Ward Office (Administration)</b> 1800 Main Street Geraldton, ON P0T 1M0 <b>Beardmore Ward Office</b> 285 Main Street Beardmore, ON P0T 1G0
<b>Number of Designated Facilities served:</b>	N/A
<b>Did you provide a copy of your annual report to all Designated Facilities you serve?</b>	
<b>Number of Interested Authorities you report to:</b>	N/A
<b>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?</b>	
<b>List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:</b>	
DWS Name:	DWS: #
<b>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?</b>	
Yes [ ] No [ ]	
<b>Indicate how you notified system users that your annual report is available, and is free of charge.</b>	
<input checked="" type="checkbox"/> Public access/notice via the web <input checked="" type="checkbox"/> Public access/notice via Government Office (Municipal) <input checked="" type="checkbox"/> Public access/notice via a newspaper <input checked="" type="checkbox"/> Public access/notice via Public Request	



- |                          |  |
|--------------------------|--|
| <input type="checkbox"/> | Public access/notice via a Public Library                            |
| <input type="checkbox"/> | Public access/notice via other method – Community Television Channel |

**Note:** For the following tables below, additional rows or columns may be added or an appendix may be attached to the report

### Facility Description

The raw water is pumped from the Blackwater River by the low lift pumps into the packaged treatment plant tank, which is a Graver monoplant treatment unit; a type of solids contact clarifier. The flocculation, sedimentation, and filtration processes are all contained within the packaged plant. Aluminum sulfate is added to the raw water as a coagulant after the low lift pumps and prior to the treatment unit. Two polymers are used to assist with flocculation depending on seasonal conditions. These are injected into the raw water immediately before the treatment unit.

The floc settles onto the tube settlers in the clarifier. The water then passes through a two-compartment dual media (sand and anthracite) filter. Once through the filters, the water is chlorinated with sodium hypochlorite. Carus 8500 Ortho-polyphosphate is used for corrosion control and caustic soda is used for pH adjustment. These three chemicals are injected into the piping between the filter and reservoir. The reservoir is located beneath the process floor and is divided into two compartments having a combined capacity of 682 m3.

Two high lift pumps deliver the finished water to the distribution system and a third high lift pump delivers water under fire flow conditions.

A 160-kW-diesel generator provides standby power to the WTP.

### Chemicals Used During Reporting Period

- Caustic Soda (Sodium Hydroxide)
- Sodium Hypochlorite
- Nalco-2 (Sodium Aluminate)
- Nalco 8170 polymer
- Aluminum Sulphate
- Carus 8500

### Significant Expenses

Significant expenses were incurred to:

- Install Required Equipment
- X Repair Required Equipment
- X Replace Required Equipment

Install	Repair	Replace	Description	Expense
		X	Low Lift Pump Motor	\$10,000
X			Fire Pump Flow Meter	\$11,648
		X	Turbidity meter	\$10,707
	X		Automated upgrades to process	\$24,211



Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date (yyyy/mm/dd)	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date (yyyy/mm/dd)
April 2 2025	HAA - Running Annual Average	83.7	ug/l		
June 7 2025	Operational - Loss of Distribution Pressure due to generator breakdown during power outage. BWA Issued			Repair Generator, Flush system and sample	June 11 2025
June 27 2025	HAA - Running Annual Average	86.1	ug/l		
July 2 2025	Chlorate over 1.0 mg/l	1.4	mg/l	Resample (Adverse from DWSP sampling) resample had similar values.	August 8 2025
July 7 2025	Chlorate over 1.0 mg/l	1.39	mg/L	Resample (Adverse from DWSP sampling) resample had similar values.	August 8 2025
August 8, 2025	Chlorate over 1.0 mg/l	1.47	mg/L	Resample (Adverse from DWSP sampling) resample had similar values.	August 8 2025
August 13 2025	Chlorate over 1.0 mg/l	1.52	mg/l	Adverse from DWSP sampling) MOH and MECF no further actions	August 13 2025
Oct 1 2025	HAA - Running Annual Average	90.1	ug/l		

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw	53	57 - <1	2420 - 1	N/A	N/A
Treated	53	0 - 0	0 - 0	52	7 - <1
Distribution	106	0 - 0	0 - 0	52	104 - <1

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report



	Number of Grab Samples	Range of Results (min #)-(max #)
<b>Turbidity</b> Raw Filter	8760 8760	0.0 – 10.01 NTU 0.0 – 2.00 NTU
<b>Chlorine</b> Treated Distribution	8760 368	0.00 – 2.25 mg/L 0.12 – 1.71 mg/L
<b>Fluoride</b> (If the DWS provides fluoridation)	N/A	N/A

**NOTE:** For continuous monitors use 8760 as the number of samples.

\* Turbidity & chlorine Min/Max (lows/highs) are due to planned maintenance and not plant upset.

**Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument**

Date of legal instrument issued	Parameter	Date Sampled (yyyy/mm/dd)	Result	Unit of Measure
N/A	N/A	N/A	N/A	N/A

**Summary of Inorganic parameters tested during this reporting period or the most recent sample results**

Parameter	Sample Date (yyyy/mm/dd)	Result Value	Unit of Measure	MAC	Exceedance	
					MAC	½ MAC
Antimony	2025/01/30	< MDL 0.6	µg/L	6	No	No
Arsenic	2025/01/30	< MDL 1	µg/L	10	No	No
Barium	2025/01/30	10	µg/L	1000	No	No
Boron	2025/01/30	< MDL 50	µg/L	5000	No	No
Cadmium	2025/01/30	< MDL 0.1	µg/L	5	No	No
Chromium	2025/01/30	< MDL 1	µg/L	50	No	No
Mercury	2025/01/30	< MDL 0.1	µg/L	1	No	No
Selenium	2025/01/30	< MDL 1	µg/L	50	No	No
Uranium	2025/01/30	< MDL 2	µg/L	20	No	No
Fluoride	2024/06/17	< MDL 0.02	mg/L	1.5	No	No
Nitrate	2025/01/30	0.99	mg/L	10	No	No
	2025/04/07	0.161	mg/L	10	No	No
	2025/07/08	0.045	mg/L	10	No	No
	2025/10/06	0.036	mg/L	10	No	No
Nitrite	2025/01/30	< MDL 0.01	mg/L	1	No	No
	2025/04/07	< MDL 0.01	mg/L	1	No	No
	2025/07/08	< MDL 0.01	mg/L	1	No	No
	2025/10/06	< MDL 0.01	mg/L	1	No	No
Sodium	2024/06/17	22	mg/L	20**	Yes	Yes

\*Lead Refer to Summary Table Below

\*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems

\*\*There is no MAC for Sodium. The aesthetic objective 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.

**Summary of lead testing under Schedule 15.1 during this reporting period**

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)



2025 Annual Report  
Beardmore Water Treatment

Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Number of Exceedances
Plumbing	N/A	N/A	N/A
Distribution	0		0
Distribution - Alkalinity_ CaCO <sub>3</sub> : (mg/L)	2	40.3 – 59.3	0

**Summary of Organic parameters sampled during this reporting period or the most recent sample results**

Parameter	Sample Date (yyyy/mm/dd)	Result Value	Unit of Measure	MAC	Exceedance	
					MAC	½ MAC
<b>Treated Water</b>						
1,1-Dichloroethylene (ug/L)-TW	2025/01/30	< MDL 0.5	µg/L	14	No	No
1,2-Dichlorobenzene (ug/L)-TW	2025/01/30	< MDL 0.5	µg/L	200	No	No
1,2-Dichloroethane (ug/L)-TW	2025/01/30	< MDL 0.5	µg/L	5	No	No
1,4-Dichlorobenzene (ug/L)-TW	2025/01/30	< MDL 0.5	µg/L	5	No	No
2,3,4,6-Tetrachlorophenol (ug/L)-TW	2025/01/30	< MDL 0.5	µg/L	100	No	No
2,4,6-Trichlorophenol (ug/L)-TW	2025/01/30	< MDL 0.2	µg/L	5	No	No
2,4-Dichlorophenol (ug/L)-TW	2025/01/30	< MDL 0.2	µg/L	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW	2025/01/30	< MDL 0.25	µg/L	100	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW	2025/01/30	< MDL 0.25	µg/L	100	No	No
Alachlor (ug/L) -TW	2025/01/30	< MDL 0.05	µg/L	5	No	No
Atrazine + N-dealkylated metabolites (ug/L)-TW	2025/01/30	< MDL 0.14	µg/L	5	No	No
Azinphos-methyl (ug/L)-TW	2025/01/30	< MDL 0.1	µg/L	20	No	No
Benzene (ug/L)-TW	2025/01/30	< MDL 0.5	µg/L	1	No	No
Benzo(a)pyrene (ug/L)-TW	2025/01/30	< MDL 0.005	µg/L	0.01	No	No
Bromoxynil (ug/L)-TW	2025/01/30	< MDL 0.25	µg/L	5	No	No
Carbaryl (ug/L)-TW	2025/01/30	< MDL 0.05	µg/L	90	No	No
Carbofuran (ug/L) -TW	2025/01/30	< MDL 0.025	µg/L	90	No	No
Carbon Tetrachloride (ug/L) -TW	2025/01/30	< MDL 0.2	µg/L	2	No	No
Chlorpyrifos (ug/L) -TW	2025/01/30	< MDL 0.1	µg/L	90	No	No
Diazinon (ug/L)-TW	2025/01/30	< MDL 0.025	µg/L	20	No	No
Dicamba (ug/L)-TW	2025/01/30	< MDL 0.5	µg/L	120	No	No
Dichloromethane (Methylene Chloride) (ug/L)-TW	2025/01/30	< MDL 1	µg/L	50	No	No
Diclofop-methyl (ug/L)-TW	2025/01/30	< MDL 0.1	µg/L	9	No	No
Dimethoate (ug/L)-TW	2025/01/30	< MDL 0.05	µg/L	20	No	No
Diquat (ug/L)-TW	2025/01/30	< MDL 1	µg/L	70	No	No
Diuron (ug/L)-TW	2025/01/30	< MDL 0.05	µg/L	150	No	No
Glyphosate (ug/L)-TW	2025/01/30	< MDL 0.2	µg/L	280	No	No
Malathion (ug/L)-TW	2025/01/30	< MDL 0.025	µg/L	190	No	No
Metolachlor (ug/L)-TW	2025/01/30	< MDL 0.025	µg/L	50	No	No
Metribuzin (ug/L)-TW	2025/01/30	< MDL 0.1	µg/L	80	No	No
Monochlorobenzene (Chlorobenzene) (ug/L)-TW	2025/01/30	< MDL 0.5	µg/L	80	No	No
Paraquat (ug/L)-TW	2025/01/30	< MDL 1	µg/L	10	No	No
PCB (ug/L)-TW	2025/01/30	< MDL 0.03	µg/L	3	No	No



Pentachlorophenol (ug/L)-TW	2025/01/30	< MDL 0.5	µg/L	60	No	No
Phorate (ug/L)-TW	2025/01/30	< MDL 0.25	µg/L	2	No	No
Picloram (ug/L)-TW	2025/01/30	< MDL 0.5	µg/L	190	No	No
Prometryne (ug/L)-TW	2025/01/30	< MDL 0.025	µg/L	1	No	No
Simazine (ug/L)-TW	2025/01/30	< MDL 0.1	µg/L	10	No	No
Terbufos (ug/L)-TW	2025/01/30	< MDL 0.5	µg/L	1	No	No
Tetrachloroethylene (ug/L)-TW	2025/01/30	< MDL 0.5	µg/L	10	No	No
Triallate (ug/L) -TW	2025/01/30	< MDL 0.1	µg/L	230	No	No
Trichloroethylene (ug/L)-TW	2025/01/30	< MDL 0.5	µg/L	5	No	No
Trifluralin (ug/L)-TW	2025/01/30	< MDL 0.1	µg/L	45	No	No
Vinyl Chloride (ug/L)-TW	2025/01/30	< MDL 0.5	µg/L	1	No	No
<b>Distribution Water</b>						
THM (NOTE: show latest annual average)	2025/11/24	94.4	µg/L	N/A		
	<b>2025 Average</b>	<b>98.8</b>	µg/L	100	No	Yes
Haloacetic acids (HAA) (NOTE: show latest annual average)	2025/11/24	89.4	µg/L	N/A		
	<b>2025 Average</b>	<b>96.3</b>	µg/L	80	Yes	Yes

## SECTION 4: SCHEDULE 22 REPORT

### Flows – Treated

In accordance with the ***Municipal Drinking Water Licence 297-101 Schedule C: System – Specific Conditions 1.0 Performance Limits***, the Beardmore drinking-water system shall not be operated to exceed the rated capacity for maximum flow rate from the treatment subsystem to the distribution system of **752 m<sup>3</sup> / day**.

The drinking-water system may be operated temporarily at a rate above the rated capacity where necessary for

- i. The purposes of fighting a large fire or,
- ii. The maintenance of the drinking-water system

In 2025, the average monthly treated flow rate was 1856.88 m<sup>3</sup>; the average daily treated flow rate was 61.00 m<sup>3</sup>; and the maximum daily treated flow rate for the year was 198.65 m<sup>3</sup> representing 26.41% of the allowable daily volume.

The Beardmore Drinking-Water facility operated below the rated capacity in 2025.

### Flows – Raw

The daily raw maximum flow is stated in the PTTW as a maximum rate of flow of **945 L/min (15.75 L/s)** and a maximum daily volume of **1360 m<sup>3</sup>/d**.

The average monthly raw flow rate was 2109.16 m<sup>3</sup>; the average raw daily flow rate was 69.34 m<sup>3</sup>, with a maximum raw daily flow rate of 206.53m<sup>3</sup>.

The quantity of raw water supplied during the reporting period did not exceed the terms and conditions of the *Permit to Take Water*.



**Summary of Flows**

A summary of raw and treated flows are included in the tables/graphs below.

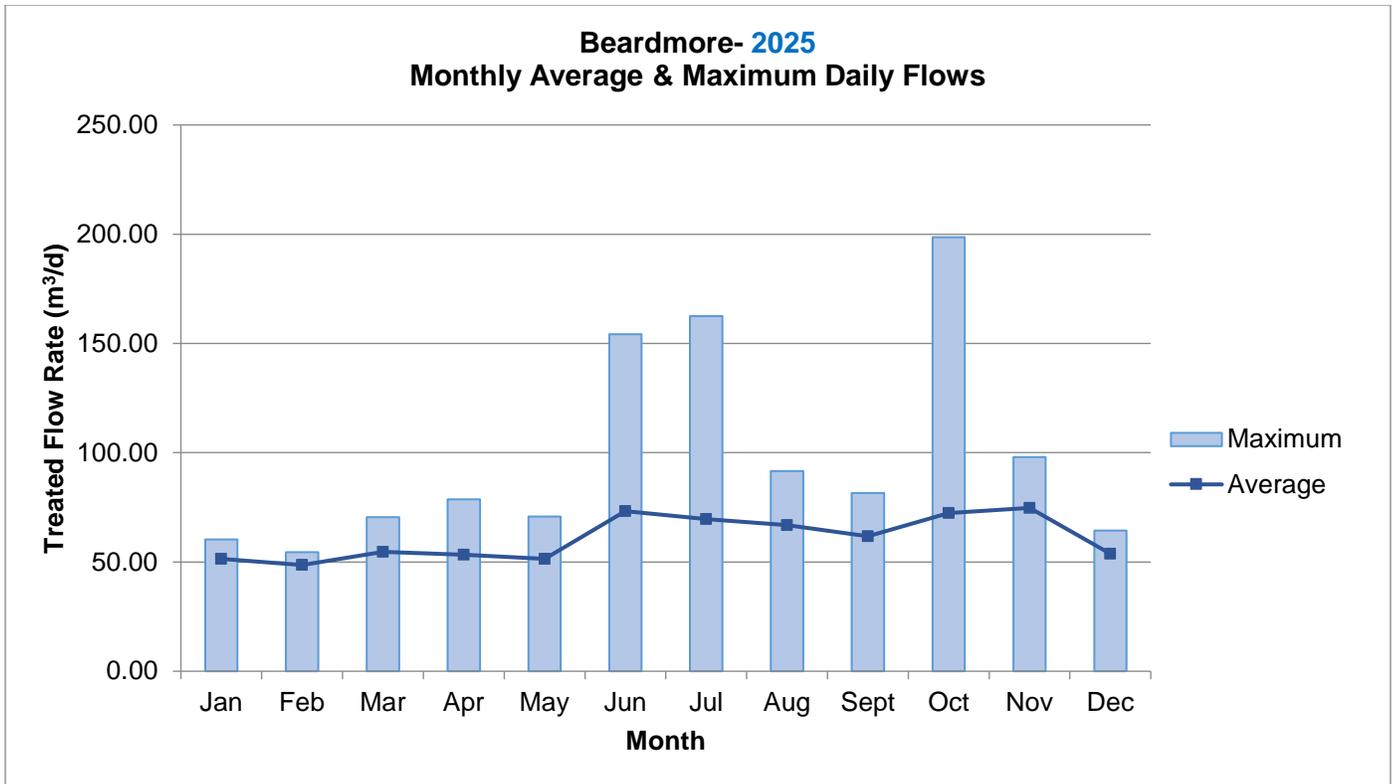
**Monthly Raw & Treated Flow Rates for 2025**

Month	Average Daily Flow Rate	Maximum Daily Flow Rate	Average Daily Flow Rate	Maximum Daily Flow Rate	Total Monthly Flow Rate
	Raw (m <sup>3</sup> /d)	Raw (m <sup>3</sup> /d)	Treated (m <sup>3</sup> /d)	Treated (m <sup>3</sup> /d)	Treated (m <sup>3</sup> /month)
January	64.42	93.51	51.40	60.29	1593.46
February	63.76	98.50	48.61	54.55	1361.19
March	67.40	101.57	54.70	70.49	1695.55
April	67.13	99.07	53.34	78.71	1600.13
May	61.50	95.63	51.39	70.83	1593.10
June	78.61	175.78	73.30	154.30	2168.91
July	75.34	203.88	69.62	162.49	2158.25
August	73.54	125.92	66.93	91.61	2047.73
September	65.57	102.89	61.78	81.54	1853.55
October	77.61	206.53	72.39	198.65	2244.10
November	80.21	115.50	74.75	98.02	2242.45
December	56.93	92.02	53.78	64.39	1667.14

**2025 Total Treated Flows (m<sup>3</sup>) 22282.57**

*\*Raw - The daily raw maximum rate of flow is 15.75 L/s and a maximum daily volume of 1360 m<sup>3</sup>/d.*

*\*Treated - The maximum flow rate from the treatment subsystem to the distribution system is 752 m<sup>3</sup>/day*



**System Failures & Corrective Actions**

The Ministry of Environment conducted an inspection of the Beardmore Drinking Water System on [October 15, 2025](#). The [2025/26](#) final inspection report identified [four](#) non-compliance.

The [2025/26](#) final inspection rating record for the Beardmore Drinking Water System was [92.51%](#)

Item	Non-Compliance Identified	Compliance Date yyyy/mm/dd	Action Being Taken to Address item	Status
1	<p>The following instance(s) of non-compliance were also noted during the inspection: CORRECTIVE ACTION(S): CT MONITORING DURING HIGH FLOW EVENTS</p> <p>1. Effective immediately, CT shall be monitored and details recorded in the logbook for high flow events. This includes the specific values used in the calculation, the actual CT value calculated and the required CT value.</p> <p>2. By February 2, 2026, a hydrant flushing SOP shall be developed and implemented. The SOP must include a requirement to monitor CT during all high-flow events and</p>	<p>1. Immediately 2. Feb 2 2026 3. Feb 16 2026</p>	<p>Document all CT calculations in the logbook. Create hydrant flushing procedure and train operators in the procedure.</p>	In Process



	<p>record the details in the logbook. It shall also specify that high-flow events are not limited to routine hydrant flushing; CT monitoring is required for any type of high-flow event.</p> <p>3. Training on the hydrant flushing SOP shall be provided to all operators at the Beardmore Water Treatment Plant. A copy of the training records must be submitted to the undersigned Water Compliance Officer no later than February 16, 2026.</p> <p>This non-compliance was identified during both the current inspection and the previous inspection.</p> <p><b>RECORDS OF ALARM ADJUSTMENTS</b></p> <p>1. The owner and operating authority shall submit logbook records for a three-month period following the issuance of the inspection report, i. e. January, February and March 2026, to verify that adjustments are being recorded</p>			
2	<p>"The owner did not have a harmful algal bloom monitoring plan in place which met the requirements of the Municipal Drinking Water Licence." The owner and operator are reminded that weekly monitoring for algal blooms at the shoreline are to be conducted, in accordance with the "Standard Operating Procedure - Monitoring for Harmful Algal Blooms - Beardmore WTP".</p>	Not Specified	A few HAB checks were missing from the logbook. The HAB checks will be logged as per the procedure.	In Process
3	<p>Records did not indicate that the treatment equipment was operated in a manner that achieved the design capabilities prescribed by O. Reg. 170/03, Drinking Water Works Permit and/or Municipal Drinking Water Licence at all times that water was being supplied to consumers.</p> <p>1. Current alarm set points shall be reported, in writing, to the undersigned Water Compliance Officer by the first business day of each month from January 2026, until, and including, December 2026, for a total of 12 reports.</p> <p>2. Effective immediately, all adjustments to operating conditions and associated alarm set points must be documented in the logbook. Alarm set points shall be aligned with the operating conditions currently in effect at the plant. The absence of documentation for a set point change involving a critical CT-related parameter raises concerns regarding the completeness of operational records and overall system management. This gap suggests the potential for other undocumented</p>	First day of each month Immediately	Operator to ensure all alarm adjustments logged in the log book	In Process



	<p>adjustments. This will be reassessed during the next inspection.</p> <p>3. For clarity, if an alarm set point is set to a more conservative value than prescribed in the set of operating conditions, a notification to the undersigned Water Compliance Officer is not required. However, the adjustment to the alarm set points must be documented within the logbook. Critical CT-related parameter alarm set points adjusted beyond worst-case values, i.e. setting the pump well level below the required minimum level to meet CT or using a chlorine residual below what is required to meet CT, is not authorized. A notification to the undersigned Water Compliance Officer is required in the event any future alarm set points are adjusted beyond a worst-case value.</p>			
4	<p>Operators were not examining continuous monitoring test results or they did not examine the results within 72 hours of the test. By February 2, 2026, operators shall implement a documented method for reviewing test results, including the parameters assessed, the frequency of checks, and the process for recording these reviews. Acceptable documentation may include a schedule, Standard Operating Procedure (SOP), a logbook entry template or a 72-hour check log sheet. Written confirmation of the adopted method, along with copies of all supporting documentation, shall be submitted to the undersigned Water Compliance Officer.</p> <p>Upon implementation, records of the 72-hour checks shall be submitted to the undersigned Water Compliance Officer for December 2025, January 2026, and February 2026. These records must be provided no later than 10 calendar days of the subsequent month.</p>	Feb 2 2026	Review and update the 72 hour data review procedure. Send inspector the requested documentation.	

**Adverse Water Quality Incidents (AWQIs)**

In the reporting year of 2025, there were eight adverse water quality incident (AWQI) reports filed as summarized in the table below.

Incident Date <i>yyyy/mm/dd</i>	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date <i>yyyy/mm/dd</i>
April 2 2025	HAA - Running Annual Average	83.7	ug/l		



2025 Annual Report  
Beardmore Water Treatment

June 7 2025	Operational - Loss of Distribution Pressure due to generator breakdown during power outage. BWA Issued			Repair Generator, Flush system and sample	June 11 2025
June 27 2025	HAA - Running Annual Average	86.1	ug/l		
July 2 2025	Chlorate over 1.0 mg/l	1.4	mg/l	Resample (Adverse from DWSP sampling) resample had similar values.	August 8 2025
July 7 2025	Chlorate over 1.0 mg/l	1.39	mg/L	Resample (Adverse from DWSP sampling) resample had similar values.	August 8 2025
August 8, 2025	Chlorate over 1.0 mg/l	1.47	mg/L	Resample (Adverse from DWSP sampling) resample had similar values.	August 8 2025
August 13 2025	Chlorate over 1.0 mg/l	1.52	mg/l	Adverse from DWSP sampling) MOH and MECF no further actions	August 13 2025
Oct 1 2025	HAA - Running Annual Average	90.1	ug/l		



## SECTION 5: RAW WATER SUBMISSIONS

The raw water flows were submitted to the Ministry on [February 5, 2026](#).

**Ontario** 

Location: [WTRS](#) / [WT DATA](#) / [Input WT Record](#) WTRS-WT-008

**Water Taking Data submitted successfully.**

**Confirmation:**

Thank you for submitting your water taking data online.

Permit Number: 4327-CXTP7H  
 Permit Holder: THE CORPORATION OF THE MUNICIPALITY OF GREENSTONE.  
 Received on: Feb 5, 2026 11:24 AM

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.

[Return to Main Page](#)

TOWN2 SCHREIBER | 2026/02/05  
 version: v5.0.0.01 (build#: 28)  
 Last modified: 2021/09/22

---

**Ontario**  This site maintained by the Government of Ontario ©2026 [Queen's Printer for Ontario](#)

## SECTION 6: CONCLUSION

For the operating year of [2025](#), the Beardmore Drinking-Water System delivered water that, in all its treated and distribution samples, indicates the water to be [free of bacteriological contamination](#).

In addition, the system was able to meet the demand of water use within the town [without exceeding](#) the Permit to Take Water or the Municipal Drinking Water Licence and Permit.



<b>List of Acronyms and Definitions</b>	
<b>Alkalinity</b>	The capacity of water for neutralizing an acid solution
<b>AWQI</b>	Adverse Water Quality Incident- when a water sample test result exceeds the Ontario Drinking Water Quality Standards
<b>Backwash</b>	Water pumped backwards to clean filters
<b>BWA</b>	Boil Water Advisory; Issued when risk of contamination is possible in drinking water
<b>CFU</b>	Colony Forming Units
<b>Chlorine Residual</b>	A low level of chlorine remaining in water after disinfection occurs
<b>DW</b>	Distribution Water
<b>DWA</b>	Drinking Water Advisory; Issued when water cannot be consumed by any means
<b>DWWP</b>	Drinking Water Works Permit - provides a description of the overall system
<b>E.Coli</b>	Bacteria used as indicators to measure the degree of pollution and sanitary quality of water
<b>GUDI</b>	Groundwater Under Direct Influence – Considered to be surface water under O.Reg 170/03
<b>HPC</b>	Heterotrophic Plant Count
<b>L/s</b>	Litres per Second
<b>m<sup>3</sup>/d</b>	Cubic Metres per Day
<b>MAC</b>	Maximum Acceptable Concentration
<b>MDL</b>	Minimum Detection Level
<b>MDWL</b>	Municipal Drinking Water Licence - relates to the operation and performance requirements
<b>mg/L</b>	Miligrams per Litre
<b>Ministry</b>	Ministry of the Environment, Conservation and Parks
<b>MECP</b>	Ministry of the Environment, Conservation and Parks
<b>NDOGN</b>	No Data: Overgrown with Non Target Bacteria
<b>NDOGT</b>	No Data: Overgrown with Target Bacteria
<b>O.Reg</b>	Ontario Regulation
<b>PTTW</b>	Permit to Take Water – Permit which allows water taking from groundwater or surface water
<b>RW</b>	Raw Water
<b>TC</b>	Total Coliforms
<b>TSS</b>	Total Suspended Solids
<b>Turbidity</b>	Cloudiness or haziness of water
<b>TW</b>	Treated Water



## Appendix A – Annual Water Taking Data

# Ontario Clean Water Agency Annual Water Taking and Transfer Report

From 1/1/2025 To 12/31/2025

Facility: BEARDMORE DRINKING WATER SYSTEM - 5923  
 Tag: Flow: Sum(m<sup>3</sup>/d)  
 Tag Group: Raw Water

Permit#: 4327-CXTP7H	Coordinate Zone:
Source Name: Blackwater River	Easting:
Source: River	Northing:
Type:	Method deter:
Purpose: Municipal	

Date Measured	Value (m <sup>3</sup> /d)	Value(Liters)
01/01/2025	41.0980	41097.9996
02/01/2025	60.8860	60886.0016
03/01/2025	70.7040	70704.0024
04/01/2025	48.8450	48845.0012
05/01/2025	52.3520	52352.0012
06/01/2025	92.7940	92793.9987
07/01/2025	50.0240	50023.9983
08/01/2025	73.8570	73857.0023
09/01/2025	75.6650	75665.0009
10/01/2025	14.5210	14520.9999
11/01/2025	88.2700	88269.9966
12/01/2025	93.5080	93508.0032
13/01/2025	58.6510	58651.0010
14/01/2025	47.5390	47539.0015
15/01/2025	75.1250	75125.0000
16/01/2025	70.4220	70421.9971
17/01/2025	45.9770	45977.0012
18/01/2025	86.9050	86904.9988
19/01/2025	52.2810	52280.9982
20/01/2025	50.4070	50407.0015
21/01/2025	91.1820	91181.9992
22/01/2025	48.2130	48213.0013
23/01/2025	88.0600	88059.9976
24/01/2025	49.4490	49449.0013
25/01/2025	88.2190	88219.0018
26/01/2025	49.1710	49171.0014
27/01/2025	63.4240	63423.9998
28/01/2025	49.8480	49847.9996

29/01/2025	74.0270	74027.0004
30/01/2025	82.1240	82124.0005
31/01/2025	63.4230	63423.0003
01/02/2025	53.0060	53006.0005
02/02/2025	45.2420	45242.0006
03/02/2025	85.5330	85532.9971
04/02/2025	46.3490	46348.9990
05/02/2025	45.6470	45646.9994
06/02/2025	84.9360	84935.9970
07/02/2025	64.6760	64676.0025
08/02/2025	49.2380	49237.9990
09/02/2025	48.0350	48034.9998
10/02/2025	86.5610	86560.9970
11/02/2025	50.8620	50861.9995
12/02/2025	50.4580	50458.0002
13/02/2025	86.8760	86875.9995
14/02/2025	56.4490	56449.0013
15/02/2025	51.1490	51148.9983
16/02/2025	61.4910	61491.0011
17/02/2025	79.7190	79719.0018
18/02/2025	50.9440	50944.0002
19/02/2025	48.8400	48840.0002
20/02/2025	80.4730	80472.9996
21/02/2025	80.2620	80262.0010
22/02/2025	48.0520	48051.9981
23/02/2025	60.8490	60848.9990
24/02/2025	81.9120	81912.0026
25/02/2025	49.7080	49708.0002
26/02/2025	64.1290	64128.9978
27/02/2025	75.3720	75372.0016
28/02/2025	98.5040	98503.9978
01/03/2025	51.7450	51744.9989
02/03/2025	62.3450	62345.0012
03/03/2025	75.1910	75191.0019
04/03/2025	51.4770	51477.0012
05/03/2025	91.3160	91316.0019
06/03/2025	49.2650	49264.9994
07/03/2025	66.0390	66039.0015
08/03/2025	97.6020	97601.9974
09/03/2025	49.3260	49326.0002
10/03/2025	49.0310	49030.9982
11/03/2025	78.8140	78814.0030
12/03/2025	58.7320	58731.9984
13/03/2025	53.8210	53820.9991

14/03/2025	96.0600	96059.9976
15/03/2025	64.8340	64833.9996
16/03/2025	56.1740	56173.9998
17/03/2025	66.2210	66221.0007
18/03/2025	67.4970	67497.0016
19/03/2025	72.4400	72440.0024
20/03/2025	101.5750	101574.9969
21/03/2025	83.1350	83135.0021
22/03/2025	91.8020	91802.0020
23/03/2025	53.0080	53007.9994
24/03/2025	49.1940	49194.0002
25/03/2025	65.4540	65454.0024
26/03/2025	52.3620	52361.9995
27/03/2025	87.5890	87588.9969
28/03/2025	57.7800	57779.9988
29/03/2025	67.4190	67418.9987
30/03/2025	71.8490	71848.9990
31/03/2025	50.3960	50395.9999
01/04/2025	99.0720	99071.9986
02/04/2025	83.7550	83754.9973
03/04/2025	80.3370	80336.9980
04/04/2025	98.9830	98983.0017
05/04/2025	87.1560	87155.9982
06/04/2025	78.8220	78821.9986
07/04/2025	68.4960	68496.0022
08/04/2025	48.5150	48514.9994
09/04/2025	56.0940	56094.0018
10/04/2025	87.3040	87304.0009
11/04/2025	47.8410	47840.9996
12/04/2025	87.1710	87170.9976
13/04/2025	47.9670	47966.9991
14/04/2025	72.4790	72478.9963
15/04/2025	47.4180	47417.9993
16/04/2025	50.4110	50410.9993
17/04/2025	64.1430	64142.9977
18/04/2025	89.1640	89164.0015
19/04/2025	47.7990	47798.9998
20/04/2025	55.0710	55070.9991
21/04/2025	80.4010	80401.0010
22/04/2025	52.4980	52498.0011
23/04/2025	36.3300	36330.0018
24/04/2025	87.0150	87014.9994
25/04/2025	50.6430	50643.0016
26/04/2025	49.8580	49858.0017

27/04/2025	50.1170	50117.0006
28/04/2025	49.3600	49360.0006
29/04/2025	85.4150	85415.0009
30/04/2025	74.3250	74324.9969
01/05/2025	47.3090	47308.9981
02/05/2025	65.7490	65749.0005
03/05/2025	49.2570	49257.0000
04/05/2025	82.6570	82656.9977
05/05/2025	42.0680	42068.0008
06/05/2025	45.2450	45244.9989
07/05/2025	84.3040	84304.0009
08/05/2025	44.7160	44715.9996
09/05/2025	48.7860	48785.9993
10/05/2025	79.9140	79914.0015
11/05/2025	45.5500	45549.9992
12/05/2025	62.7490	62749.0005
13/05/2025	41.9060	41905.9982
14/05/2025	79.1250	79125.0000
15/05/2025	43.8830	43882.9994
16/05/2025	63.1660	63166.0004
17/05/2025	47.2400	47240.0017
18/05/2025	79.4570	79457.0007
19/05/2025	47.8480	47847.9996
20/05/2025	53.6910	53691.0019
21/05/2025	46.2180	46217.9985
22/05/2025	86.4350	86434.9976
23/05/2025	61.9120	61911.9987
24/05/2025	45.4320	45431.9992
25/05/2025	91.1700	91169.9982
26/05/2025	44.7160	44715.9996
27/05/2025	68.9420	68942.0013
28/05/2025	67.3560	67356.0028
29/05/2025	95.6300	95629.9973
30/05/2025	58.8860	58886.0016
31/05/2025	85.2630	85263.0005
01/06/2025	47.0600	47060.0014
02/06/2025	81.3010	81301.0025
03/06/2025	67.5500	67550.0031
04/06/2025	57.7860	57785.9993
05/06/2025	85.6140	85613.9984
06/06/2025	109.7450	109745.0027
07/06/2025	89.4310	89430.9998
08/06/2025	50.8510	50851.0017
09/06/2025	85.4340	85433.9981

10/06/2025	64.3580	64358.0017
11/06/2025	78.9290	78929.0009
12/06/2025	49.2260	49226.0017
13/06/2025	107.4500	107449.9969
14/06/2025	89.3130	89313.0035
15/06/2025	87.4330	87432.9987
16/06/2025	59.7160	59715.9996
17/06/2025	62.9970	62997.0016
18/06/2025	76.6010	76600.9979
19/06/2025	51.9640	51964.0007
20/06/2025	175.7780	175777.9999
21/06/2025	54.7280	54728.0006
22/06/2025	51.9080	51908.0009
23/06/2025	76.4060	76405.9982
24/06/2025	49.2230	49222.9996
25/06/2025	114.6620	114662.0026
26/06/2025	129.7000	129699.9969
27/06/2025	124.5440	124543.9987
28/06/2025	48.6630	48662.9982
29/06/2025	50.7080	50708.0002
30/06/2025	79.1020	79101.9974
01/07/2025	59.3690	59368.9995
02/07/2025	46.8860	46886.0016
03/07/2025	84.8590	84859.0012
04/07/2025	93.5370	93537.0026
05/07/2025	51.5460	51546.0014
06/07/2025	78.7220	78722.0001
07/07/2025	46.6800	46680.0003
08/07/2025	72.7480	72748.0011
09/07/2025	77.0010	77000.9995
10/07/2025	62.3620	62361.9995
11/07/2025	68.9390	68939.0030
12/07/2025	92.0080	92008.0032
13/07/2025	47.5920	47591.9991
14/07/2025	49.7620	49762.0010
15/07/2025	83.5810	83581.0013
16/07/2025	83.1770	83177.0020
17/07/2025	59.2780	59277.9999
18/07/2025	70.3020	70302.0020
19/07/2025	80.2380	80237.9990
20/07/2025	57.3230	57323.0019
21/07/2025	59.8740	59874.0005
22/07/2025	87.7060	87706.0013
23/07/2025	73.5640	73564.0030

24/07/2025	107.0660	107066.0019
25/07/2025	203.8820	203882.0038
26/07/2025	32.3270	32326.9997
27/07/2025	92.9040	92903.9993
28/07/2025	93.6200	93620.0027
29/07/2025	74.5710	74570.9991
30/07/2025	94.2610	94261.0016
31/07/2025	49.7810	49780.9982
01/08/2025	64.2370	64236.9995
02/08/2025	84.4600	84459.9991
03/08/2025	58.5790	58578.9986
04/08/2025	52.7800	52779.9988
05/08/2025	92.8620	92861.9995
06/08/2025	48.8210	48820.9991
07/08/2025	57.0880	57088.0013
08/08/2025	75.2510	75250.9995
09/08/2025	90.6470	90647.0032
10/08/2025	50.8410	50840.9996
11/08/2025	88.7250	88724.9985
12/08/2025	57.5460	57546.0014
13/08/2025	86.8340	86833.9996
14/08/2025	51.0690	51069.0002
15/08/2025	75.1350	75135.0021
16/08/2025	84.0030	84002.9984
17/08/2025	55.5350	55534.9998
18/08/2025	77.2390	77238.9984
19/08/2025	68.1630	68163.0020
20/08/2025	102.4340	102433.9981
21/08/2025	51.6180	51618.0000
22/08/2025	93.7760	93776.0010
23/08/2025	67.6070	67607.0023
24/08/2025	52.4100	52409.9998
25/08/2025	77.7770	77777.0004
26/08/2025	52.0160	52015.9988
27/08/2025	96.1590	96158.9966
28/08/2025	74.4750	74474.9985
29/08/2025	125.9210	125920.9976
30/08/2025	69.4870	69486.9995
31/08/2025	96.2960	96295.9976
01/09/2025	62.8670	62867.0006
02/09/2025	102.8880	102888.0005
03/09/2025	71.8540	71853.9963
04/09/2025	88.3400	88339.9963
05/09/2025	59.1990	59199.0013

06/09/2025	56.7470	56747.0016
07/09/2025	76.5220	76522.0032
08/09/2025	47.0980	47097.9996
09/09/2025	55.6390	55638.9999
10/09/2025	78.8560	78856.0028
11/09/2025	47.2800	47279.9988
12/09/2025	64.2900	64290.0009
13/09/2025	85.8320	85832.0007
14/09/2025	50.9460	50945.9991
15/09/2025	49.3390	49339.0007
16/09/2025	88.7120	88711.9980
17/09/2025	48.8920	48891.9983
18/09/2025	48.6320	48632.0000
19/09/2025	65.5040	65503.9978
20/09/2025	83.4200	83419.9982
21/09/2025	78.0030	78002.9984
22/09/2025	67.3950	67394.9966
23/09/2025	64.1630	64163.0020
24/09/2025	53.4980	53498.0011
25/09/2025	78.5280	78527.9999
26/09/2025	73.1860	73185.9970
27/09/2025	45.7910	45791.0004
28/09/2025	57.4140	57414.0015
29/09/2025	75.7800	75779.9988
30/09/2025	40.4850	40485.0006
01/10/2025	75.2420	75241.9968
02/10/2025	74.6270	74626.9989
03/10/2025	53.5600	53560.0014
04/10/2025	80.2490	80249.0005
05/10/2025	72.4570	72457.0007
06/10/2025	66.0820	66082.0007
07/10/2025	81.4120	81412.0026
08/10/2025	127.0940	127094.0018
09/10/2025	206.5280	206527.9999
10/10/2025	90.7720	90772.0032
11/10/2025	88.1410	88140.9988
12/10/2025	54.0020	54001.9989
13/10/2025	79.3300	79330.0018
14/10/2025	47.5530	47553.0014
15/10/2025	106.1740	106174.0036
16/10/2025	33.9110	33910.9993
17/10/2025	89.1420	89141.9983
18/10/2025	49.3890	49388.9999
19/10/2025	83.9980	83998.0011

20/10/2025	58.2180	58217.9985
21/10/2025	53.9840	53984.0012
22/10/2025	48.0520	48051.9981
23/10/2025	78.4700	78470.0012
24/10/2025	81.8890	81888.9999
25/10/2025	93.3550	93355.0034
26/10/2025	96.3070	96306.9992
27/10/2025	65.1620	65162.0026
28/10/2025	81.3860	81386.0016
29/10/2025	54.1970	54196.9986
30/10/2025	42.3980	42397.9988
31/10/2025	92.7930	92792.9993
01/11/2025	89.5270	89527.0004
02/11/2025	113.3590	113359.0012
03/11/2025	88.7310	88731.0028
04/11/2025	81.3910	81390.9988
05/11/2025	102.4750	102474.9985
06/11/2025	59.9070	59907.0015
07/11/2025	109.4130	109413.0020
08/11/2025	72.7680	72767.9977
09/11/2025	74.2860	74286.0031
10/11/2025	72.7540	72753.9978
11/11/2025	91.7840	91783.9966
12/11/2025	76.5820	76582.0007
13/11/2025	84.6450	84644.9966
14/11/2025	79.3540	79353.9963
15/11/2025	91.5450	91544.9982
16/11/2025	88.6410	88640.9988
17/11/2025	77.5080	77508.0032
18/11/2025	115.4950	115495.0027
19/11/2025	68.0250	68025.0015
20/11/2025	104.7790	104778.9993
21/11/2025	67.4920	67491.9968
22/11/2025	87.5260	87526.0010
23/11/2025	99.2240	99223.9990
24/11/2025	52.3630	52362.9990
25/11/2025	61.3750	61375.0000
26/11/2025	53.6060	53605.9990
27/11/2025	76.3420	76342.0029
28/11/2025	45.0620	45062.0003
29/11/2025	76.8050	76805.0003
30/11/2025	43.5180	43518.0016
01/12/2025	37.8620	37861.9995
02/12/2025	70.6520	70652.0004

03/12/2025	45.0950	45095.0012
04/12/2025	43.7920	43791.9998
05/12/2025	92.0160	92015.9988
06/12/2025	53.2240	53223.9990
07/12/2025	51.6690	51668.9987
08/12/2025	69.3290	69329.0024
09/12/2025	42.7750	42775.0015
10/12/2025	57.4540	57453.9986
11/12/2025	66.6130	66612.9990
12/12/2025	49.9560	49956.0013
13/12/2025	64.1430	64142.9977
14/12/2025	28.5450	28545.0001
15/12/2025	68.4980	68498.0011
16/12/2025	44.1170	44117.0006
17/12/2025	89.9390	89939.0030
18/12/2025	56.2900	56290.0009
19/12/2025	78.4590	78458.9996
20/12/2025	39.6510	39651.0010
21/12/2025	46.7360	46736.0001
22/12/2025	77.9830	77983.0017
23/12/2025	43.5680	43568.0008
24/12/2025	46.4590	46458.9996
25/12/2025	73.7710	73771.0037
26/12/2025	43.0850	43084.9991
27/12/2025	44.1850	44185.0014
28/12/2025	77.9130	77913.0020
29/12/2025	33.3960	33395.9999
30/12/2025	74.3180	74318.0008
31/12/2025	53.4770	53477.0012

# ***Caramat Drinking Water System***

Small Municipal Residential Drinking Water System

January 1 – December 31, 2025

*O.Reg 170/03 Schedule 22 Summary Report  
O.Reg 170/03 Section 11 Annual Report  
&  
O.Reg 387/04 Annual Record of Water Taking*

Issued: **February 2026**

Prepared by the



**Ontario Clean Water Agency  
Agence Ontarienne Des Eaux**



*Drinking-Water System Number:* 220000184  
*Drinking-Water System Name:* Caramat Drinking Water System  
*Drinking-Water System Owner:* The Corporation of the Municipality of Greenstone  
*Drinking-Water System Category:* Small Municipal Residential Drinking Water-System  
*Period being reported:* [January 1 – December 31, 2025](#)

## SECTION 1: INTRODUCTION

This document is prepared in accordance with Section 11 and Schedule 22 of O.Reg.170/03 under the Safe Drinking Water Act and with Section 9 of O.Reg.387/04 under the Ontario Water Resources Act.

The reports are prepared by the Ontario Clean Water Agency on behalf of the Corporation of the Municipality of Greenstone. Acronyms and definitions can be found at the end of the report.

A copy of the Summary Report must be provided to the members of the municipal council by [March 31, 2026](#).

## SECTION 2: REQUIREMENTS OF THE REPORTS

### ***Schedule 22 Report***

The report must list the requirements of the Act, the regulations, the system's approval and any order that the system failed to meet at any time during the period covered by the report. It must also specify the duration of the failure, and for each failure referred to, describe the measures that were taken to correct the failure.

For the purpose of enabling the owner of the system to assess the rated capability of their system to meet existing and future planned water uses, the following information is required to be included in this report:

- A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows.
- A comparison of the summary to the rated capacity and flow rates approved in the systems approval.

### ***Section 11 Report***

The annual report must contain the following:

- A brief description of the drinking water system and a list of chemicals used by the system.
- A description of any major expenses incurred during the period covered by the report to install, repair or replace required equipment.
- A summary of all adverse water quality incidents (AWQI) reported to the Ministry



- A summary of corrective actions taken in response all AWQIs
- A summary of all test results required under the regulation, under an approval, municipal drinking water license or order, including an OWRA order.
- A statement of where a Schedule 22 report will be available for inspection.

The report must be prepared not later than **February 28** of the following year.

**Regulation 387 Report**

On or before March 31 in every year, every holder of a permit to take water (PTTW) shall submit to a Director the data collected and recorded for the previous year.

A record of annual water taking can be found in [Appendix A. – Annual Water Taking Data](#)

**SECTION 3: SECTION 11 REPORT**

Information	
Population Served	58
Does your Drinking-Water System serve more than 10,000 people?	Yes [ ] No [ X ]
Is your annual report available to the public at no charge on a web site on the Internet?	Yes [X] No [ ]
Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.	<b>Geraldton Ward Office (Administration)</b> 1800 Main Street Geraldton, ON P0T 1M0 <b>Longlac Ward Office</b> 105 Hamel Avenue Longlac, ON P0T 2A0
Number of Designated Facilities served:	N/A
Did you provide a copy of your annual report to all Designated Facilities you serve?	
Number of Interested Authorities you report to:	N/A
Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?	
List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:	
DWS Name:	DWS: #
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?	
Yes [ ] No [ ]	
Indicate how you notified system users that your annual report is available, and is free of charge.	
<input checked="" type="checkbox"/> Public access/notice via the web <input checked="" type="checkbox"/> Public access/notice via Government Office (Municipal) <input checked="" type="checkbox"/> Public access/notice via a newspaper <input checked="" type="checkbox"/> Public access/notice via Public Request <input type="checkbox"/> Public access/notice via a Public Library	



[ ] Public access/notice via other method – Community Television Channel

**Note:** For the following tables below, additional rows or columns may be added or an appendix may be attached to the report

### Facility Description

The treatment process generally consists of pre-ozonation, filtration through the multi-stage slow sand filter, primary chlorination, storage, and secondary chlorination.

The filtration system consists of a 75.2 m<sup>3</sup>/day pre-packaged, two-train, multi-stage filtration system designed and manufactured by MS Filter Inc. The two-train roughing filter, slow sand filter and granular activated carbon (GAC) contractor are all contained within one overall filter tank. The ozone generation and contactor equipment is separate from the filter tank.

Primary disinfection is achieved using a 12% sodium hypochlorite solution injected into the raw water, downstream of the filtration system, by means of two (duty/stand-by) chemical metering pumps. The necessary chlorine contact time is achieved within the two 57 m<sup>3</sup> reservoirs. The reservoirs provide the necessary minimum contact time for adequate disinfection as well as equalization and emergency water storage as per MOE guidelines.

Two high lift pumps (duty and stand-by) draw treated water from the reservoirs to the distribution system.

One backwash pump also draws treated water from the reservoirs and is used to backwash the filtration system.

The free chlorine residual of the treated water is monitored continuously by an online analyzer, and recorded in the PLC.

A magnetic flow meter measures the treated water flow to the distribution system. This information is recorded in the PLC.

Secondary disinfection is achieved using a 12% sodium hypochlorite solution injected into the high lift pump discharge header by means of two (duty and stand-by) chemical metering pumps.

A 60-kW-diesel generator in a stand alone container provides standby power to the WTP.

In November 2009, an oxygen concentrator system was installed and put into operation

### Chemicals Used During Reporting Period

- Sodium Hypochlorite 12%
- Oxygen (generated on site)
- Ozone (generated on site)
- Granular activated carbon (GAC)



**Significant Expenses**

Significant expenses were incurred to:

- Install Required Equipment
- Repair Required Equipment
- X Replace Required Equipment

Install	Repair	Replace	Description	Expense
		X	Pressure tank replacements	\$7,596
		X	Chlorine metering pump replacements	\$7,637

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date (yyyy/mm/dd)	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date (yyyy/mm/dd)
Sept 16 2025	Chemical - Chlorate over 1.0 mg/l	1.99	mg/l	Change GAC filter and resample	Oct 10 2025
Sept 16 2025	Chemical - Chlorate over 1.0 mg/l	1.98	mg/l	Change GAC filter and resample	Oct 10 2025
Oct 1 2025	Chemical - Chlorate over 1.0 mg/l	1.12	mg/l	Resample as per MOH	Oct 10 2025
Oct 1 2025	Chemical - Chlorate over 1.0 mg/l	1.19	mg/l	Resample as per MOH	Oct 10 2025
Oct 10 2025	Chemical - Chlorate over 1.0 mg/l	1.05	mg/l	MOH Requested resample once water temperature drops	Oct 10 2025
Oct 10 2025	Chemical - Chlorate over 1.0 mg/l	1.07	mg/l	MOH Requested resample once water temperature drops	Oct 10 2025

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw	N/A	N/A	N/A	N/A	N/A
Treated	N/A	N/A	N/A	N/A	N/A
Distribution	52	0 – 0	0 – 0	51	<1 – 8

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report

	Number of Grab Samples	Range of Results (min #)-(max #)
Turbidity Raw	101	0.90 – 10.30 NTU

**NOTE:** For continuous monitors use 8760 as the number of samples.



## 2025 Annual Report Caramat Water Treatment

<b>Filter #1</b>	8760	0.00 – 0.46 NTU
<b>Filter #2</b>	8760	0.00 – 0.83 NTU
<b>Chlorine</b>		
<b>Treated Distribution</b>	8760 108	0.61 – 2.17 mg/L 0.70 – 2.00 mg/L
<b>Fluoride</b> (If the DWS provides fluoridation)	N/A	N/A

\* Turbidity & chlorine  
Min/Max (lows/highs) are due  
to planned maintenance and  
not plant upset.

### Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument

Date of legal instrument issued	Parameter	Date Sampled (yyyy/mm/dd)	Result	Unit of Measure
December 16, 2021 Municipal Drinking Water Licence (MDWL)#225-101	Nitrosodimethylamine (NDMA) Quarterly	2025/01/02	<0.00162	µg/L
		2025/04/01	<0.00090	µg/L
		2025/07/07	<0.00090	µg/L
		2025/10/01	<0.00090	µg/L
December 16, 2021 Municipal Drinking Water Licence (MDWL)#225-101	Trihalomethanes (THM's) Monthly	2025/01/02	8.5	µg/L
		2025/02/10	15.9	µg/L
		2025/03/03	18.1	µg/L
		2025/04/01	33.0	µg/L
		2025/05/05	43.5	µg/L
		2025/06/02	53.4	µg/L
		2025/07/07	51.6	µg/L
		2025/08/11	77.5	µg/L
		2025/09/02	94.6	µg/L
		2025/10/01	53.8	µg/L
		2025/11/17	5.4	µg/L
		2025/12/01	9.3	µg/L

### Summary of Inorganic parameters tested during this reporting period or the most recent sample results

Parameter	Sample Date (yyyy/mm/dd)	Result Value	Unit of Measure	MAC	Exceedance	
					MAC	½ MAC
Antimony	2022/01/17	< MDL 0.6	µg/L	6	No	No
Arsenic	2022/01/17	< MDL 1	µg/L	10	No	No
Barium	2022/01/17	18	µg/L	1000	No	No
Boron	2022/01/17	< MDL 50	µg/L	5000	No	No
Cadmium	2022/01/17	< MDL 0.1	µg/L	5	No	No
Chromium	2022/01/17	< MDL 1	µg/L	50	No	No
Mercury	2022/01/17	< MDL 0.1	µg/L	1	No	No
Selenium	2022/01/17	< MDL 1	µg/L	50	No	No
Uranium	2022/01/17	< MDL 2	µg/L	20	No	No
Fluoride	2022/01/17	0.022	mg/L	1.5	No	No
Nitrate	2025/01/02	0.141	mg/L	10	No	No
	2025/04/01	0.400	mg/L	10	No	No
	2025/07/07	0.238	mg/L	10	No	No
	2025/10/01	0.056	mg/L	10	No	No



Nitrite	2024/01/02	< MDL 0.01	mg/L	1	No	No
	2024/04/01	< MDL 0.01	mg/L	1	No	No
	2024/07/07	< MDL 0.01	mg/L	1	No	No
	2024/10/01	< MDL 0.01	mg/L	1	No	No
Sodium	2022/01/17	5.74	mg/L	20**	No	No
*Lead	Refer to Summary Table Below					
*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems						
**There is no MAC for Sodium. The aesthetic objective 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.						

**Summary of lead testing under Schedule 15.1 during this reporting period**

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Number of Exceedances
Plumbing	N/A	N/A	N/A
Distribution	0		0
Distribution - Alkalinity_CaCO3: (mg/L)	2	65.5 - 88.1	0

**Summary of Organic parameters sampled during this reporting period or the most recent sample results**

Parameter	Sample Date (yyyy/mm/dd)	Result Value	Unit of Measure	MAC	Exceedance	
					MAC	½ MAC
<b>Treated Water</b>						
1,1-Dichloroethylene (ug/L)-TW	2022/01/19	< MDL 0.5	µg/L	14	No	No
1,2-Dichlorobenzene (ug/L)-TW	2022/01/19	< MDL 0.5	µg/L	200	No	No
1,2-Dichloroethane (ug/L)-TW	2022/01/19	< MDL 0.5	µg/L	5	No	No
1,4-Dichlorobenzene (ug/L)-TW	2022/01/19	< MDL 0.5	µg/L	5	No	No
2,3,4,6-Tetrachlorophenol (ug/L)-TW	2022/01/17	< MDL 0.5	µg/L	100	No	No
2,4,6-Trichlorophenol (ug/L)-TW	2022/01/17	< MDL 0.5	µg/L	5	No	No
2,4-Dichlorophenol (ug/L)-TW	2022/01/17	< MDL 0.3	µg/L	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW	2022/01/17	< MDL 0.2	µg/L	100	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW	2022/01/17	< MDL 0.2	µg/L	100	No	No
Alachlor (ug/L) -TW	2022/01/17	< MDL 0.1	µg/L	5	No	No
Atrazine + N-dealkylated metabolites (ug/L)-TW	2022/01/17	< MDL 0.2	µg/L	5	No	No
Azinphos-methyl (ug/L)-TW	2022/01/17	< MDL 0.1	µg/L	20	No	No
Benzene (ug/L)-TW	2022/01/19	< MDL 0.5	µg/L	1	No	No
Benzo(a)pyrene (ug/L)-TW	2022/01/17	< MDL 0.005	µg/L	0.01	No	Yes
Bromoxynil (ug/L)-TW	2022/01/17	< MDL 0.2	µg/L	5	No	No
Carbaryl (ug/L)-TW	2022/01/17	< MDL 0.2	µg/L	90	No	No
Carbofuran (ug/L) -TW	2022/01/17	< MDL 0.2	µg/L	90	No	No
Carbon Tetrachloride (ug/L) -TW	2022/01/19	< MDL 0.2	µg/L	2	No	No
Chlorpyrifos (ug/L) -TW	2022/01/17	< MDL 0.1	µg/L	90	No	No



Diazinon (ug/L)-TW	2022/01/17	< MDL 0.1	µg/L	20	No	No
Dicamba (ug/L)-TW	2022/01/17	< MDL 0.2	µg/L	120	No	No
Dichloromethane (Methylene Chloride) (ug/L)-TW	2022/01/19	< MDL 5.0	µg/L	50	No	No
Diclofop-methyl (ug/L)-TW	2022/01/17	< MDL 0.2	µg/L	9	No	No
Dimethoate (ug/L)-TW	2022/01/17	< MDL 0.1	µg/L	20	No	No
Diquat (ug/L)-TW	2022/01/17	< MDL 1.0	µg/L	70	No	No
Diuron (ug/L)-TW	2022/01/17	< MDL 1.0	µg/L	150	No	No
Glyphosate (ug/L)-TW	2022/01/17	< MDL 5.0	µg/L	280	No	No
Malathion (ug/L)-TW	2022/01/17	< MDL 0.1	µg/L	190	No	No
Metolachlor (ug/L)-TW	2022/01/17	< MDL 0.1	µg/L	50	No	No
Metribuzin (ug/L)-TW	2022/01/17	< MDL 0.1	µg/L	80	No	No
Monochlorobenzene (Chlorobenzene) (ug/L)-TW	2022/01/19	< MDL 0.5	µg/L	80	No	No
Paraquat (ug/L)-TW	2022/01/17	< MDL 1.0	µg/L	10	No	No
PCB (ug/L)-TW	2022/01/25	< MDL 0.035	µg/L	3	No	No
Pentachlorophenol (ug/L)-TW	2022/01/17	< MDL 0.5	µg/L	60	No	No
Phorate (ug/L)-TW	2022/01/17	< MDL 0.1	µg/L	2	No	No
Picloram (ug/L)-TW	2022/01/17	< MDL 0.2	µg/L	190	No	No
Prometryne (ug/L)-TW	2022/01/17	< MDL 0.1	µg/L	1	No	No
Simazine (ug/L)-TW	2022/01/17	< MDL 0.1	µg/L	10	No	No
Terbufos (ug/L)-TW	2022/01/17	< MDL 0.2	µg/L	1	No	No
Tetrachloroethylene (ug/L)-TW	2022/01/19	< MDL 0.5	µg/L	10	No	No
Triallate (ug/L) -TW	2022/01/17	< MDL 0.1	µg/L	230	No	No
Trichloroethylene (ug/L)-TW	2022/01/19	< MDL 0.5	µg/L	5	No	No
Trifluralin (ug/L)-TW	2022/01/17	< MDL 0.1	µg/L	45	No	No
Vinyl Chloride (ug/L)-TW	2022/01/19	< MDL 0.2	µg/L	1	No	No
<b>Distribution Water</b>						
THM	2025/12/01	9.3	µg/L		N/A	
(NOTE: show latest annual average)	<b>2025 Average</b>	<b>38.7</b>	µg/L	100	No	No
Haloacetic acids (HAA)	2025/10/01	50.8	µg/L		N/A	
(NOTE: show latest annual average)	<b>2025 Average</b>	<b>60.1</b>	µg/L	80	No	Yes

## SECTION 4: SCHEDULE 22 REPORT

### Flows – Treated

In accordance with the **Municipal Drinking Water Licence 297-101 Schedule C: System – Specific Conditions 1.0 Performance Limits**, the Caramat drinking-water system shall not be operated to exceed the rated capacity for maximum flow rate from the treatment subsystem to the distribution system of **75.2 m<sup>3</sup>/ day**.

The drinking-water system may be operated temporarily at a rate above the rated capacity where necessary for

- i. The purposes of fighting a large fire or,
- ii. The maintenance of the drinking-water system

Due to the capacity of the water treatment facility the hydrants in the system are only used for system maintenance.



In 2025, the average monthly treated flow rate was 349.76 m<sup>3</sup>; the average daily treated flow rate was 11.48 m<sup>3</sup>; and the maximum daily treated flow rate for the year was 26.90 m<sup>3</sup> representing 35.77% of the allowable daily volume.

The Caramat Drinking-Water facility operated below the rated capacity in 2025.

### Flows – Raw

The daily raw maximum flow is stated in the PTTW as a maximum rate of flow of 60 L/min (1 L/s) and a maximum daily volume of 86.4 m<sup>3</sup>/d.

The average monthly raw flow rate was 375.75 m<sup>3</sup>; the average raw daily flow rate was 12.34 m<sup>3</sup>, with a maximum raw daily flow rate of 22.00 m<sup>3</sup>.

The quantity of raw water supplied during the reporting period did not exceed the terms and conditions of the *Permit to Take Water*.

### Summary of Flows

A summary of raw and treated flows are included in the tables/graphs below.

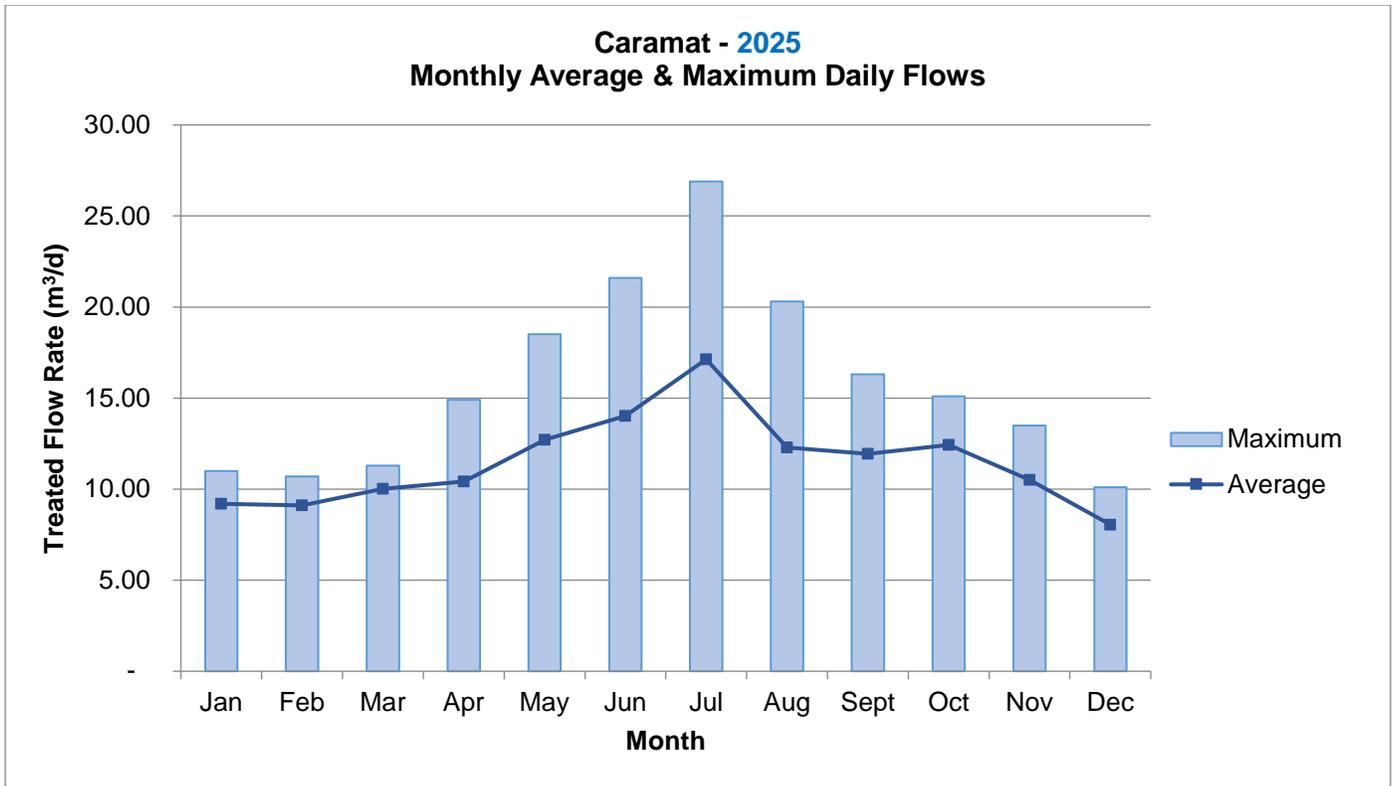
**Monthly Raw & Treated Flow Rates for 2025**

Month	Average Daily Flow Rate Raw (m <sup>3</sup> /d)	Maximum Daily Flow Rate Raw (m <sup>3</sup> /d)	Average Daily Flow Rate Treated (m <sup>3</sup> /d)	Maximum Daily Flow Rate Treated (m <sup>3</sup> /d)	Total Monthly Flow Rate Treated (m <sup>3</sup> /month)
January	10.18	16.30	9.20	11.00	285.20
February	9.23	11.50	9.11	10.70	255.20
March	9.70	11.60	10.02	11.30	310.60
April	9.79	14.30	10.41	14.90	312.30
May	11.65	17.00	12.71	18.50	393.90
June	13.28	20.50	14.02	21.60	420.70
July	15.76	20.30	17.13	26.90	530.90
August	15.12	21.90	12.29	20.30	381.00
September	16.17	22.00	11.93	16.30	357.90
October	13.68	16.70	12.42	15.10	384.90
November	13.67	21.60	10.50	13.50	315.00
December	9.80	12.70	8.05	10.10	249.50

**2025 Total Treated Flows (m<sup>3</sup>) 4197.10**

*\*Raw - The daily raw maximum rate of flow is 1 L/s and a maximum daily volume of 86.4 m<sup>3</sup>/d.*

*\*Treated - The maximum flow rate from the treatment subsystem to the distribution system is 75.2 m<sup>3</sup>/day*



**System Failures & Corrective Actions**

The Ministry of Environment conducted inspected the Caramat Drinking Water System on [August 13 2025](#). The 2025/26 final inspection report identified no non-compliance.

The 2025/26 final inspection rating record for the Caramat Drinking Water System was 100%

Item	Non-Compliance Identified	Compliance Date yyyy/mm/dd	Action Being Taken to Address item	Status
1				



**Adverse Water Quality Incidents (AWQIs)**

In the reporting year of 2025, there were six adverse water quality incident (AWQI) reports filed as summarized in the table below.

<b>Incident Date</b> <i>yyyy/mm/dd</i>	<b>Parameter</b>	<b>Result</b>	<b>Unit of Measure</b>	<b>Corrective Action</b>	<b>Corrective Action Date</b> <i>yyyy/mm/dd</i>
Sept 16 2025	Chemical - Chlorate over 1.0 mg/l	1.99	mg/l	Change GAC filter and resample	Oct 10 2025
Sept 16 2025	Chemical - Chlorate over 1.0 mg/l	1.98	mg/l	Change GAC filter and resample	Oct 10 2025
Oct 1 2025	Chemical - Chlorate over 1.0 mg/l	1.12	mg/l	Resample as per MOH	Oct 10 2025
Oct 1 2025	Chemical - Chlorate over 1.0 mg/l	1.19	mg/l	Resample as per MOH	Oct 10 2025
Oct 10 2025	Chemical - Chlorate over 1.0 mg/l	1.05	mg/l	MOH Requested resample once water temperature drops	Oct 10 2025
Oct 10 2025	Chemical - Chlorate over 1.0 mg/l	1.07	mg/l	MOH Requested resample once water temperature drops	Oct 10 2025



## SECTION 5: RAW WATER SUBMISSIONS

The raw water flows were submitted to the Ministry on [February 5, 2026](#).



Location: [WTRS](#) / [WT DATA](#) / [Input WT Record](#)

WTRS-WT-008

**Water Taking Data submitted successfully.**

### Confirmation:

Thank you for submitting your water taking data online.

Permit Number: 1254-CUKQ7Q

Permit Holder: THE CORPORATION OF THE MUNICIPALITY OF GREENSTONE.

Received on: Feb 5, 2026 11:09 AM

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.

[Return to Main Page](#)

TOWN2 SCHREIBER | 2026/02/05  
version: v5.0.0.01 (build#: 28)  
Last modified: 2021/09/22

## SECTION 6: CONCLUSION

For the operating year of [2025](#), the Caramat Drinking-Water System delivered water that, in all its treated and distribution samples, indicates the water to be [free of bacteriological contamination](#).

In addition, the system was able to meet the demand of water use within the town [without exceeding](#) the Permit to Take Water or the Municipal Drinking Water Licence and Permit.



<b>List of Acronyms and Definitions</b>	
<b>Alkalinity</b>	The capacity of water for neutralizing an acid solution
<b>AWQI</b>	Adverse Water Quality Incident- when a water sample test result exceeds the Ontario Drinking Water Quality Standards
<b>Backwash</b>	Water pumped backwards to clean filters
<b>BWA</b>	Boil Water Advisory; Issued when risk of contamination is possible in drinking water
<b>CFU</b>	Colony Forming Units
<b>Chlorine Residual</b>	A low level of chlorine remaining in water after disinfection occurs
<b>DW</b>	Distribution Water
<b>DWA</b>	Drinking Water Advisory; Issued when water cannot be consumed by any means
<b>DWWP</b>	Drinking Water Works Permit - provides a description of the overall system
<b>E.Coli</b>	Bacteria used as indicators to measure the degree of pollution and sanitary quality of water
<b>GUDI</b>	Groundwater Under Direct Influence – Considered to be surface water under O.Reg 170/03
<b>HPC</b>	Heterotrophic Plant Count
<b>L/s</b>	Litres per Second
<b>m<sup>3</sup>/d</b>	Cubic Metres per Day
<b>MAC</b>	Maximum Acceptable Concentration
<b>MDL</b>	Minimum Detection Level
<b>MDWL</b>	Municipal Drinking Water Licence - relates to the operation and performance requirements
<b>mg/L</b>	Miligrams per Litre
<b>Ministry</b>	Ministry of the Environment, Conservation and Parks
<b>MECP</b>	Ministry of the Environment, Conservation and Parks
<b>NDOGN</b>	No Data: Overgrown with Non Target Bacteria
<b>NDOGT</b>	No Data: Overgrown with Target Bacteria
<b>O.Reg</b>	Ontario Regulation
<b>PTTW</b>	Permit to Take Water – Permit which allows water taking from groundwater or surface water
<b>RW</b>	Raw Water
<b>TC</b>	Total Coliforms
<b>TSS</b>	Total Suspended Solids
<b>Turbidity</b>	Cloudiness or haziness of water
<b>TW</b>	Treated Water



## Appendix A – Annual Water Taking Data

# Ontario Clean Water Agency Annual Water Taking and Transfer Report

From 1/1/2025 To 12/31/2025

Facility: CARAMAT DRINKING WATER SYSTEM - 5095  
 Tag: Flow: Sum(m³/d)  
 Tag Group: Raw Water

Permit#: 1254-CUKQ7Q	Coordinate Zone:
Source Name: Caramat Lake	Easting:
Source: Lake	Northing:
Type:	Method deter:
Purpose: Municipal	

Date Measured	Value (m³/d)	Value(Liters)
01/01/2025	7.7000	7699.9998
02/01/2025	9.2000	9199.9998
03/01/2025	8.4000	8399.9996
04/01/2025	9.7000	9699.9998
05/01/2025	10.4000	10399.9996
06/01/2025	9.9000	9899.9996
07/01/2025	8.8000	8800.0002
08/01/2025	8.1000	8100.0004
09/01/2025	8.8000	8800.0002
10/01/2025	7.4000	7400.0001
11/01/2025	11.5000	11500.0000
12/01/2025	12.6000	12600.0004
13/01/2025	8.9000	8899.9996
14/01/2025	12.4000	12399.9996
15/01/2025	10.0000	10000.0000
16/01/2025	11.4000	11399.9996
17/01/2025	10.6000	10600.0004
18/01/2025	13.3000	13300.0002
19/01/2025	11.7000	11699.9998
20/01/2025	9.4000	9399.9996
21/01/2025	8.0000	8000.0000
22/01/2025	11.3000	11300.0002
23/01/2025	9.4000	9399.9996
24/01/2025	14.6000	14600.0004
25/01/2025	16.3000	16299.9992
26/01/2025	10.8000	10800.0002
27/01/2025	9.0000	9000.0000
28/01/2025	9.8000	9800.0002

29/01/2025	8.8000	8800.0002
30/01/2025	8.8000	8800.0002
31/01/2025	8.7000	8699.9998
01/02/2025	9.8000	9800.0002
02/02/2025	9.4000	9399.9996
03/02/2025	8.5000	8500.0000
04/02/2025	8.4000	8399.9996
05/02/2025	8.5000	8500.0000
06/02/2025	9.0000	9000.0000
07/02/2025	8.8000	8800.0002
08/02/2025	10.2000	10199.9998
09/02/2025	9.7000	9699.9998
10/02/2025	8.2000	8199.9998
11/02/2025	9.2000	9199.9998
12/02/2025	8.3000	8300.0002
13/02/2025	9.1000	9100.0004
14/02/2025	9.3000	9300.0002
15/02/2025	9.6000	9600.0004
16/02/2025	8.8000	8800.0002
17/02/2025	9.7000	9699.9998
18/02/2025	8.5000	8500.0000
19/02/2025	8.3000	8300.0002
20/02/2025	11.5000	11500.0000
21/02/2025	8.9000	8899.9996
22/02/2025	9.6000	9600.0004
23/02/2025	9.6000	9600.0004
24/02/2025	8.2000	8199.9998
25/02/2025	10.8000	10800.0002
26/02/2025	8.6000	8600.0004
27/02/2025	10.4000	10399.9996
28/02/2025	9.5000	9500.0000
01/03/2025	11.2000	11199.9998
02/03/2025	10.5000	10500.0000
03/03/2025	8.7000	8699.9998
04/03/2025	8.3000	8300.0002
05/03/2025	9.8000	9800.0002
06/03/2025	10.1000	10100.0004
07/03/2025	10.2000	10199.9998
08/03/2025	10.2000	10199.9998
09/03/2025	10.7000	10699.9998
10/03/2025	9.5000	9500.0000
11/03/2025	9.7000	9699.9998
12/03/2025	11.5000	11500.0000
13/03/2025	10.0000	10000.0000

14/03/2025	9.7000	9699.9998
15/03/2025	10.8000	10800.0002
16/03/2025	10.0000	10000.0000
17/03/2025	9.9000	9899.9996
18/03/2025	8.1000	8100.0004
19/03/2025	8.6000	8600.0004
20/03/2025	11.1000	11100.0004
21/03/2025	8.1000	8100.0004
22/03/2025	11.6000	11600.0004
23/03/2025	10.6000	10600.0004
24/03/2025	7.8000	7800.0002
25/03/2025	8.4000	8399.9996
26/03/2025	8.7000	8699.9998
27/03/2025	8.7000	8699.9998
28/03/2025	8.6000	8600.0004
29/03/2025	9.8000	9800.0002
30/03/2025	10.1000	10100.0004
31/03/2025	9.7000	9699.9998
01/04/2025	9.1000	9100.0004
02/04/2025	8.8000	8800.0002
03/04/2025	9.6000	9600.0004
04/04/2025	12.8000	12800.0002
05/04/2025	9.1000	9100.0004
06/04/2025	13.3000	13300.0002
07/04/2025	13.5000	13500.0000
08/04/2025	14.3000	14300.0002
09/04/2025	12.6000	12600.0004
10/04/2025	10.7000	10699.9998
11/04/2025	8.5000	8500.0000
12/04/2025	8.7000	8699.9998
13/04/2025	10.5000	10500.0000
14/04/2025	7.2000	7199.9998
15/04/2025	9.1000	9100.0004
16/04/2025	10.4000	10399.9996
17/04/2025	7.8000	7800.0002
18/04/2025	9.6000	9600.0004
19/04/2025	10.3000	10300.0002
20/04/2025	7.5000	7500.0000
21/04/2025	10.6000	10600.0004
22/04/2025	10.1000	10100.0004
23/04/2025	7.7000	7699.9998
24/04/2025	8.5000	8500.0000
25/04/2025	9.1000	9100.0004
26/04/2025	10.6000	10600.0004

27/04/2025	9.9000	9899.9996
28/04/2025	7.4000	7400.0001
29/04/2025	8.9000	8899.9996
30/04/2025	7.6000	7599.9999
01/05/2025	8.0000	8000.0000
02/05/2025	7.6000	7599.9999
03/05/2025	14.2000	14199.9998
04/05/2025	14.8000	14800.0002
05/05/2025	13.4000	13399.9996
06/05/2025	7.7000	7699.9998
07/05/2025	9.9000	9899.9996
08/05/2025	8.0000	8000.0000
09/05/2025	9.2000	9199.9998
10/05/2025	9.9000	9899.9996
11/05/2025	9.8000	9800.0002
12/05/2025	9.5000	9500.0000
13/05/2025	8.2000	8199.9998
14/05/2025	10.8000	10800.0002
15/05/2025	9.5000	9500.0000
16/05/2025	8.7000	8699.9998
17/05/2025	10.8000	10800.0002
18/05/2025	15.6000	15600.0004
19/05/2025	15.1000	15100.0004
20/05/2025	17.0000	17000.0000
21/05/2025	14.1000	14100.0004
22/05/2025	13.0000	13000.0000
23/05/2025	12.9000	12899.9996
24/05/2025	12.4000	12399.9996
25/05/2025	14.9000	14899.9996
26/05/2025	13.0000	13000.0000
27/05/2025	11.1000	11100.0004
28/05/2025	13.5000	13500.0000
29/05/2025	13.4000	13399.9996
30/05/2025	11.1000	11100.0004
31/05/2025	14.1000	14100.0004
01/06/2025	12.1000	12100.0004
02/06/2025	10.5000	10500.0000
03/06/2025	10.8000	10800.0002
04/06/2025	13.2000	13199.9998
05/06/2025	11.3000	11300.0002
06/06/2025	15.5000	15500.0000
07/06/2025	14.7000	14699.9998
08/06/2025	15.7000	15699.9998
09/06/2025	14.5000	14500.0000

10/06/2025	13.6000	13600.0004
11/06/2025	19.5000	19500.0000
12/06/2025	20.5000	20500.0000
13/06/2025	13.1000	13100.0004
14/06/2025	15.3000	15300.0002
15/06/2025	20.5000	20500.0000
16/06/2025	15.1000	15100.0004
17/06/2025	13.5000	13500.0000
18/06/2025	17.1000	17100.0004
19/06/2025	8.1000	8100.0004
20/06/2025	12.2000	12199.9998
21/06/2025	11.3000	11300.0002
22/06/2025	10.8000	10800.0002
23/06/2025	9.9000	9899.9996
24/06/2025	11.0000	11000.0000
25/06/2025	11.5000	11500.0000
26/06/2025	10.2000	10199.9998
27/06/2025	10.7000	10699.9998
28/06/2025	12.1000	12100.0004
29/06/2025	12.3000	12300.0002
30/06/2025	11.8000	11800.0002
01/07/2025	14.0000	14000.0000
02/07/2025	15.4000	15399.9996
03/07/2025	19.0000	19000.0000
04/07/2025	16.7000	16700.0008
05/07/2025	13.8000	13800.0002
06/07/2025	16.2000	16200.0008
07/07/2025	15.2000	15199.9998
08/07/2025	12.8000	12800.0002
09/07/2025	15.4000	15399.9996
10/07/2025	16.2000	16200.0008
11/07/2025	20.3000	20299.9992
12/07/2025	20.3000	20299.9992
13/07/2025	17.8000	17799.9992
14/07/2025	11.7000	11699.9998
15/07/2025	10.5000	10500.0000
16/07/2025	9.6000	9600.0004
17/07/2025	13.1000	13100.0004
18/07/2025	15.0000	15000.0000
19/07/2025	20.1000	20100.0004
20/07/2025	20.0000	20000.0000
21/07/2025	20.0000	20000.0000
22/07/2025	17.1000	17100.0004
23/07/2025	11.3000	11300.0002

24/07/2025	15.5000	15500.0000
25/07/2025	15.0000	15000.0000
26/07/2025	15.9000	15899.9996
27/07/2025	12.4000	12399.9996
28/07/2025	13.8000	13800.0002
29/07/2025	14.3000	14300.0002
30/07/2025	20.1000	20100.0004
31/07/2025	20.1000	20100.0004
01/08/2025	20.1000	20100.0004
02/08/2025	13.3000	13300.0002
03/08/2025	10.6000	10600.0004
04/08/2025	10.3000	10300.0002
05/08/2025	9.8000	9800.0002
06/08/2025	12.9000	12899.9996
07/08/2025	11.4000	11399.9996
08/08/2025	11.6000	11600.0004
09/08/2025	20.2000	20200.0008
10/08/2025	15.2000	15199.9998
11/08/2025	12.3000	12300.0002
12/08/2025	8.7000	8699.9998
13/08/2025	15.3000	15300.0002
14/08/2025	20.1000	20100.0004
15/08/2025	20.7000	20700.0008
16/08/2025	20.2000	20200.0008
17/08/2025	20.1000	20100.0004
18/08/2025	20.1000	20100.0004
19/08/2025	20.5000	20500.0000
20/08/2025	21.9000	21899.9996
21/08/2025	21.4000	21399.9996
22/08/2025	17.3000	17299.9992
23/08/2025	11.1000	11100.0004
24/08/2025	10.5000	10500.0000
25/08/2025	11.7000	11699.9998
26/08/2025	13.1000	13100.0004
27/08/2025	11.5000	11500.0000
28/08/2025	17.7000	17700.0008
29/08/2025	15.3000	15300.0002
30/08/2025	11.8000	11800.0002
31/08/2025	12.1000	12100.0004
01/09/2025	11.9000	11899.9996
02/09/2025	11.8000	11800.0002
03/09/2025	12.1000	12100.0004
04/09/2025	9.3000	9300.0002
05/09/2025	10.3000	10300.0002

06/09/2025	13.7000	13699.9998
07/09/2025	13.8000	13800.0002
08/09/2025	17.7000	17700.0008
09/09/2025	21.9000	21899.9996
10/09/2025	21.9000	21899.9996
11/09/2025	21.9000	21899.9996
12/09/2025	18.0000	18000.0000
13/09/2025	11.5000	11500.0000
14/09/2025	17.9000	17899.9996
15/09/2025	22.0000	22000.0000
16/09/2025	17.8000	17799.9992
17/09/2025	18.0000	18000.0000
18/09/2025	21.9000	21899.9996
19/09/2025	21.9000	21899.9996
20/09/2025	21.9000	21899.9996
21/09/2025	21.8000	21799.9992
22/09/2025	21.8000	21799.9992
23/09/2025	17.0000	17000.0000
24/09/2025	14.6000	14600.0004
25/09/2025	13.2000	13199.9998
26/09/2025	12.2000	12199.9998
27/09/2025	9.6000	9600.0004
28/09/2025	12.9000	12899.9996
29/09/2025	12.0000	12000.0000
30/09/2025	12.9000	12899.9996
01/10/2025	11.4000	11399.9996
02/10/2025	12.6000	12600.0004
03/10/2025	11.9000	11899.9996
04/10/2025	16.0000	16000.0000
05/10/2025	11.0000	11000.0000
06/10/2025	14.0000	14000.0000
07/10/2025	11.9000	11899.9996
08/10/2025	12.6000	12600.0004
09/10/2025	14.1000	14100.0004
10/10/2025	12.1000	12100.0004
11/10/2025	16.2000	16200.0008
12/10/2025	14.5000	14500.0000
13/10/2025	15.7000	15699.9998
14/10/2025	16.5000	16500.0000
15/10/2025	14.5000	14500.0000
16/10/2025	14.9000	14899.9996
17/10/2025	16.7000	16700.0008
18/10/2025	11.1000	11100.0004
19/10/2025	16.1000	16100.0004

20/10/2025	12.8000	12800.0002
21/10/2025	12.1000	12100.0004
22/10/2025	12.7000	12699.9998
23/10/2025	16.2000	16200.0008
24/10/2025	14.2000	14199.9998
25/10/2025	14.8000	14800.0002
26/10/2025	14.9000	14899.9996
27/10/2025	10.2000	10199.9998
28/10/2025	13.6000	13600.0004
29/10/2025	12.4000	12399.9996
30/10/2025	11.8000	11800.0002
31/10/2025	14.6000	14600.0004
01/11/2025	21.6000	21600.0004
02/11/2025	18.1000	18100.0004
03/11/2025	14.2000	14199.9998
04/11/2025	11.6000	11600.0004
05/11/2025	9.7000	9699.9998
06/11/2025	12.8000	12800.0002
07/11/2025	14.0000	14000.0000
08/11/2025	16.0000	16000.0000
09/11/2025	16.6000	16600.0004
10/11/2025	17.1000	17100.0004
11/11/2025	14.7000	14699.9998
12/11/2025	15.6000	15600.0004
13/11/2025	15.7000	15699.9998
14/11/2025	15.5000	15500.0000
15/11/2025	13.7000	13699.9998
16/11/2025	15.9000	15899.9996
17/11/2025	17.9000	17899.9996
18/11/2025	20.6000	20600.0004
19/11/2025	12.3000	12300.0002
20/11/2025	12.8000	12800.0002
21/11/2025	9.9000	9899.9996
22/11/2025	12.7000	12699.9998
23/11/2025	11.1000	11100.0004
24/11/2025	12.1000	12100.0004
25/11/2025	9.8000	9800.0002
26/11/2025	11.3000	11300.0002
27/11/2025	10.4000	10399.9996
28/11/2025	6.9000	6900.0001
29/11/2025	10.7000	10699.9998
30/11/2025	8.9000	8899.9996
01/12/2025	9.8000	9800.0002
02/12/2025	8.3000	8300.0002

03/12/2025	9.4000	9399.9996
04/12/2025	8.2000	8199.9998
05/12/2025	8.1000	8100.0004
06/12/2025	11.1000	11100.0004
07/12/2025	10.4000	10399.9996
08/12/2025	8.1000	8100.0004
09/12/2025	9.8000	9800.0002
10/12/2025	8.8000	8800.0002
11/12/2025	8.6000	8600.0004
12/12/2025	8.1000	8100.0004
13/12/2025	12.0000	12000.0000
14/12/2025	12.7000	12699.9998
15/12/2025	9.6000	9600.0004
16/12/2025	8.5000	8500.0000
17/12/2025	8.8000	8800.0002
18/12/2025	10.7000	10699.9998
19/12/2025	9.9000	9899.9996
20/12/2025	10.9000	10899.9996
21/12/2025	11.7000	11699.9998
22/12/2025	8.9000	8899.9996
23/12/2025	11.1000	11100.0004
24/12/2025	10.0000	10000.0000
25/12/2025	10.8000	10800.0002
26/12/2025	9.9000	9899.9996
27/12/2025	9.4000	9399.9996
28/12/2025	10.3000	10300.0002
29/12/2025	8.6000	8600.0004
30/12/2025	11.0000	11000.0000
31/12/2025	10.4000	10399.9996

# ***Geraldton Drinking Water System***

Large Municipal Residential Drinking Water System

January 1 – December 31, 2025

*O.Reg 170/03 Schedule 22 Summary Report  
O.Reg 170/03 Section 11 Annual Report  
&  
O.Reg 387/04 Annual Record of Water Taking*

Issued: **February 2026**

Prepared by the



**Ontario Clean Water Agency  
Agence Ontarienne Des Eaux**



*Drinking-Water System Number:* 210000292  
*Drinking-Water System Name:* Geraldton Drinking Water System  
*Drinking-Water System Owner:* The Corporation of the Municipality of Greenstone  
*Drinking-Water System Category:* Large Municipal Residential Drinking Water-System  
*Period being reported:* [January 1 – December 31, 2025](#)

## SECTION 1: INTRODUCTION

This document is prepared in accordance with Section 11 and Schedule 22 of O.Reg.170/03 under the Safe Drinking Water Act and with Section 9 of O.Reg.387/04 under the Ontario Water Resources Act.

The reports are prepared by the Ontario Clean Water Agency on behalf of the Corporation of the Municipality of Greenstone. Acronyms and definitions can be found at the end of the report.

A copy of the Summary Report must be provided to the members of the municipal council by [March 31, 2026](#).

## SECTION 2: REQUIREMENTS OF THE REPORTS

### ***Schedule 22 Report***

The report must list the requirements of the Act, the regulations, the system's approval and any order that the system failed to meet at any time during the period covered by the report. It must also specify the duration of the failure, and for each failure referred to, describe the measures that were taken to correct the failure.

For the purpose of enabling the owner of the system to assess the rated capability of their system to meet existing and future planned water uses, the following information is required to be included in this report:

- A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows.
- A comparison of the summary to the rated capacity and flow rates approved in the systems approval.

### ***Section 11 Report***

The annual report must contain the following:

- A brief description of the drinking water system and a list of chemicals used by the system.
- A description of any major expenses incurred during the period covered by the report to install, repair or replace required equipment.
- A summary of all adverse water quality incidents (AWQI) reported to the Ministry



- A summary of corrective actions taken in response all AWQIs
- A summary of all test results required under the regulation, under an approval, municipal drinking water license or order, including an OWRA order.
- A statement of where a Schedule 22 report will be available for inspection.

The report must be prepared not later than **February 28** of the following year.

**Regulation 387 Report**

On or before March 31 in every year, every holder of a permit to take water (PTTW) shall submit to a Director the data collected and recorded for the previous year.

A record of annual water taking can be found in [Appendix A. –Annual Water Taking Data](#)

**SECTION 3: SECTION 11 REPORT**

Information	
<b>Population Served</b>	1893
<b>Does your Drinking-Water System serve more than 10,000 people?</b>	Yes [ ] No [ X ]
<b>Is your annual report available to the public at no charge on a web site on the Internet?</b>	Yes [X] No [ ]
<b>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</b>	Geraldton Ward Office (Administration) 1800 Main Street Geraldton, ON P0T 1M0
<b>Number of Designated Facilities served:</b>	N/A
<b>Did you provide a copy of your annual report to all Designated Facilities you serve?</b>	
<b>Number of Interested Authorities you report to:</b>	N/A
<b>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?</b>	
<b>List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:</b>	
DWS Name:	DWS: #
<b>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?</b>	
Yes [ ] No [ ]	
<b>Indicate how you notified system users that your annual report is available, and is free of charge.</b>	
<input checked="" type="checkbox"/> Public access/notice via the web <input checked="" type="checkbox"/> Public access/notice via Government Office (Municipal) <input checked="" type="checkbox"/> Public access/notice via a newspaper <input checked="" type="checkbox"/> Public access/notice via Public Request <input type="checkbox"/> Public access/notice via a Public Library <input type="checkbox"/> Public access/notice via other method – Community Television Channel	



**Note:** For the following tables below, additional rows or columns may be added or an appendix may be attached to the report

**Facility Description**

Cecile Lake is the sole source of supply for the Geraldton water system. The surface water is conveyed by gravity through two (2) coarse screens to the intake well and low lift pumping chamber.

Prior to entering the treatment plant, Alum (aluminum sulphate) and polymer are added for coagulation. Potassium permanganate is added to the raw water for manganese removal as required.

The raw water passes through stages of mixing, flocculation, sedimentation with the aid of tube settlers and passes through a filter of mixed media consisting of anthracite, sand and gravel.

Disinfection is provided by injecting chlorine gas into the filtered water before it enters the storage reservoirs.

Three high lift pumps deliver water to the distribution system.  
A 200-kW-diesel generator provides standby power to the WTP.

**Chemicals Used During Reporting Period**

- Aluminum Sulphate A-10
- PRAESTOL(TM) DW20 polymer
- Potassium Permanganate
- Chlorine Gas

**Significant Expenses**

Significant expenses were incurred to:

- Install Required Equipment
- X Repair Required Equipment
- X Replace Required Equipment

Install	Repair	Replace	Description	Expense
		X	Back Wash Valve Actuator	\$10,460
	X		Distribution Repairs	\$85,107

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre



Incident Date (yyyy/mm/dd)	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date (yyyy/mm/dd)
Aug 19 2025	Loss of Pressure			Localized BWA for 19 residences, 1 apartment building and 1 business, Sample beyond break	Aug 22 2025
Nov 6 2025	Loss of Pressure			Localized BWA for 3 residences, and 1 business, Sample beyond break	Nov 10 2025

**Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period**

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw	53	<1 – 5	<1 – 2420	N/A	N/A
Treated	52	0 – 0	0 – 0	52	11 – <1
Distribution	157	0 – 0	0 – 0	53	2 – <1

**Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report**

	Number of Grab Samples	Range of Results (min #)-(max #)
<b>Turbidity</b> Raw Filter #1 Filter #2	246 8760 8760	0.19 – 4.74 NTU 0.00 – 3.00 NTU 0.00 – 3.00 NTU
<b>Chlorine</b> Treated Distribution	8760 357	1.10 – 2.38 mg/L 0.09– 1.84 mg/L
<b>Fluoride</b> (If the DWS provides fluoridation)	N/A	N/A

**NOTE:** For continuous monitors use 8760 as the number of samples.

\* Turbidity & chlorine Min/Max (lows/highs) are due to planned maintenance and not plant upset.

**Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument**

Date of legal instrument issued	Parameter	Date Sampled (yyyy/mm/dd)	Result	Unit of Measure
N/A	N/A	N/A	N/A	N/A



**Summary of Inorganic parameters tested during this reporting period or the most recent sample results**

Parameter	Sample Date (yyyy/mm/dd)	Result Value	Unit of Measure	MAC	Exceedance	
					MAC	½ MAC
Antimony	2025/01/14	< MDL 0.6	µg/L	6	No	No
Arsenic	2025/01/14	< MDL 1	µg/L	10	No	No
Barium	2025/01/14	< MDL 10	µg/L	1000	No	No
Boron	2025/01/14	< MDL 50	µg/L	5000	No	No
Cadmium	2025/01/14	< MDL 0.1	µg/L	5	No	No
Chromium	2025/01/14	< MDL 1	µg/L	50	No	No
Mercury	2025/01/14	< MDL 0.1	µg/L	1	No	No
Selenium	2025/01/14	< MDL 1	µg/L	50	No	No
Uranium	2025/01/14	< MDL 2	µg/L	20	No	No
Fluoride	2024/04/05	< MDL 0.02	mg/L	1.5	No	No
Nitrate	2025/01/14	0.026	mg/L	10	No	No
	2025/04/07	0.262	mg/L	10	No	No
	2025/07/08	0.101	mg/L	10	No	No
	2025/10/14	< MDL 0.02	mg/L	10	No	No
Nitrite	2025/01/14	< MDL 0.01	mg/L	1	No	No
	2025/04/07	< MDL 0.01	mg/L	1	No	No
	2025/07/08	< MDL 0.01	mg/L	1	No	No
	2025/10/14	< MDL 0.01	mg/L	1	No	No
Sodium	2024/04/05	14.7	mg/L	20**	No	Yes
*Lead	<i>Refer to Summary Table Below</i>					
<p>*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems</p> <p>**There is no MAC for Sodium. The aesthetic objective 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.</p>						

**Summary of lead testing under Schedule 15.1 during this reporting period**

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Number of Exceedances
Distribution - Lead(µg/l)	0		0
Distribution - Alkalinity_CaCO3:(mg/L)	4	66.1 – 92.6	N/A

**Summary of Organic parameters sampled during this reporting period or the most recent sample results**

Parameter	Sample Date (yyyy/mm/dd)	Result Value	Unit of Measure	MAC	Exceedance	
					MAC	½ MAC
<b>Treated Water</b>						
1,1-Dichloroethylene (ug/L)-TW	2025/01/14	< MDL 0.5	µg/L	14	No	No
1,2-Dichlorobenzene (ug/L)-TW	2025/01/14	< MDL 0.5	µg/L	200	No	No
1,2-Dichloroethane (ug/L)-TW	2025/01/14	< MDL 0.5	µg/L	5	No	No
1,4-Dichlorobenzene (ug/L)-TW	2025/01/14	< MDL 0.5	µg/L	5	No	No
2,3,4,6-Tetrachlorophenol (ug/L)-TW	2025/01/14	< MDL 0.5	µg/L	100	No	No
2,4,6-Trichlorophenol (ug/L)-TW	2025/01/14	< MDL 0.2	µg/L	5	No	No



2025 Annual Report  
Geraldton Water Treatment

2,4-Dichlorophenol (ug/L)-TW	2025/01/14	< MDL 0.2	µg/L	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW	2025/01/14	< MDL 0.05	µg/L	100	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW	2025/01/14	< MDL 0.05	µg/L	100	No	No
Alachlor (ug/L) -TW	2025/01/14	< MDL 0.05	µg/L	5	No	No
Atrazine + N-dealkylated metabolites (ug/L)-TW	2025/01/14	< MDL 0.14	µg/L	5	No	No
Azinphos-methyl (ug/L)-TW	2025/01/14	< MDL 0.1	µg/L	20	No	No
Benzene (ug/L)-TW	2025/01/14	< MDL 0.5	µg/L	1	No	No
Benzo(a)pyrene (ug/L)-TW	2025/01/14	< MDL 0.005	µg/L	0.01	No	Yes
Bromoxynil (ug/L)-TW	2025/01/14	< MDL 0.25	µg/L	5	No	No
Carbaryl (ug/L)-TW	2025/01/14	< MDL 0.05	µg/L	90	No	No
Carbofuran (ug/L) -TW	2025/01/14	< MDL 0.025	µg/L	90	No	No
Carbon Tetrachloride (ug/L) -TW	2025/01/14	< MDL 0.2	µg/L	2	No	No
Chlorpyrifos (ug/L) -TW	2025/01/14	< MDL 0.1	µg/L	90	No	No
Diazinon (ug/L)-TW	2025/01/14	< MDL 0.025	µg/L	20	No	No
Dicamba (ug/L)-TW	2025/01/14	< MDL 0.1	µg/L	120	No	No
Dichloromethane (Methylene Chloride) (ug/L)-TW	2025/01/14	< MDL 1	µg/L	50	No	No
Diclofop-methyl (ug/L)-TW	2025/01/14	< MDL 0.1	µg/L	9	No	No
Dimethoate (ug/L)-TW	2025/01/14	< MDL 0.05	µg/L	20	No	No
Diquat (ug/L)-TW	2025/01/14	< MDL 1	µg/L	70	No	No
Diuron (ug/L)-TW	2025/01/14	< MDL 0.05	µg/L	150	No	No
Glyphosate (ug/L)-TW	2025/01/14	< MDL 0.5	µg/L	280	No	No
Malathion (ug/L)-TW	2025/01/14	< MDL 0.025	µg/L	190	No	No
Metolachlor (ug/L)-TW	2025/01/14	< MDL 0.025	µg/L	50	No	No
Metribuzin (ug/L)-TW	2025/01/14	< MDL 0.1	µg/L	80	No	No
Monochlorobenzene (Chlorobenzene) (ug/L)-TW	2025/01/14	< MDL 0.5	µg/L	80	No	No
Paraquat (ug/L)-TW	2025/01/14	< MDL 1	µg/L	10	No	No
PCB (ug/L)-TW	2025/01/14	< MDL 0.03	µg/L	3	No	No
Pentachlorophenol (ug/L)-TW	2025/01/14	< MDL 0.5	µg/L	60	No	No
Phorate (ug/L)-TW	2025/01/14	< MDL 0.25	µg/L	2	No	No
Picloram (ug/L)-TW	2025/01/14	< MDL 0.5	µg/L	190	No	No
Prometryne (ug/L)-TW	2025/01/14	< MDL 0.025	µg/L	1	No	No
Simazine (ug/L)-TW	2025/01/14	< MDL 0.1	µg/L	10	No	No
Terbufos (ug/L)-TW	2025/01/14	< MDL 0.5	µg/L	1	No	No
Tetrachloroethylene (ug/L)-TW	2025/01/14	< MDL 0.5	µg/L	10	No	No
Triallate (ug/L) -TW	2025/01/14	< MDL 0.1	µg/L	230	No	No
Trichloroethylene (ug/L)-TW	2025/01/14	< MDL 0.5	µg/L	5	No	No
Trifluralin (ug/L)-TW	2025/01/14	< MDL 0.1	µg/L	45	No	No
Vinyl Chloride (ug/L)-TW	2025/01/14	< MDL 0.5	µg/L	1	No	No
<b>Distribution Water</b>						
THM (NOTE: show latest annual average)	2025/10/14	51	µg/L	N/A		
	<b>2025 Average</b>	<b>35.3</b>	µg/L	100	No	No
Haloacetic acids (HAA) (NOTE: show latest annual average)	2024/10/14	48.7	µg/L	N/A		
	<b>2025 Average</b>	<b>44.3</b>	µg/L	80	No	Yes



## SECTION 4: SCHEDULE 22 REPORT

### **Flows – Treated**

In accordance with the ***Municipal Drinking Water Licence 225-104 Schedule C: System – Specific Conditions 1.0 Performance Limits***, the Geraldton drinking-water system shall not be operated to exceed the rated capacity for maximum flow rate from the treatment subsystem to the distribution system of **6045 m<sup>3</sup> / day**.

The drinking-water system may be operated temporarily at a rate above the rated capacity where necessary for

- i. The purposes of fighting a large fire or,
- ii. The maintenance of the drinking-water system

In 2025, the average monthly treated flow rate was **36366.67 m<sup>3</sup>**; the average daily treated flow rate was **1197.03 m<sup>3</sup>**; and the maximum daily treated flow rate for the year was **2858 m<sup>3</sup>** representing **47.28 %** of the allowable daily volume.

The Geraldton Drinking-Water facility operated **below** the rated capacity **in 2025**.

### **Flows – Raw**

The daily raw maximum flow is stated in the PTTW as a maximum rate of flow of **4165 l/min (69.4 L/s)** and a maximum daily volume of **5997m<sup>3</sup>/d**.

The average monthly raw flow rate was **43376.08 m<sup>3</sup>**; the average raw daily flow rate was **1427.47 m<sup>3</sup>**, with a maximum raw daily flow rate of **3321.00 m<sup>3</sup>**.

The quantity of raw water supplied during the reporting period **did not** exceed the terms and conditions of the *Permit to Take Water*.



**Summary of Flows**

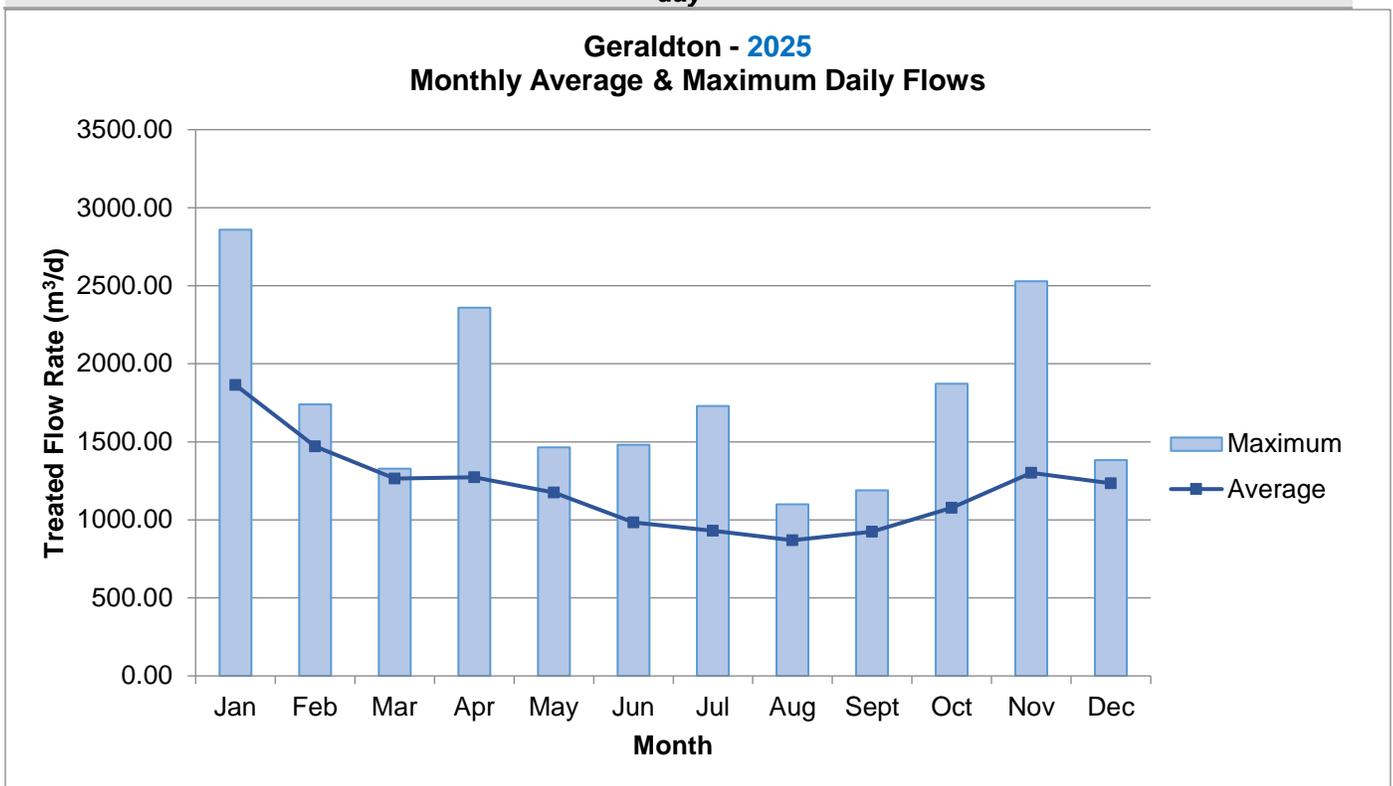
A summary of raw and treated flows are included in the tables/graphs below.

**Monthly Raw & Treated Flow Rates for 2025**

Month	Average Daily Flow Rate	Maximum Daily Flow Rate	Average Daily Flow Rate	Maximum Daily Flow Rate	Total Monthly Flow Rate
	Raw (m <sup>3</sup> /d)	Raw (m <sup>3</sup> /d)	Treated (m <sup>3</sup> /d)	Treated (m <sup>3</sup> /d)	Treated (m <sup>3</sup> /month)
January	2117.90	3321.00	1864.35	2858.00	57795.00
February	1701.39	1964.00	1471.32	1739.00	41197.00
March	1483.29	1557.00	1264.03	1327.00	39185.00
April	1497.93	2880.00	1271.90	2359.00	38157.00
May	1399.61	1679.00	1175.19	1465.00	36431.00
June	1201.70	1706.00	983.97	1480.00	29519.00
July	1156.13	2168.00	930.55	1730.00	28847.00
August	1090.65	1309.00	869.23	1100.00	26946.00
September	1155.10	1414.00	923.57	1190.00	27707.00
October	1316.29	2290.00	1076.13	1872.00	33360.00
November	1546.77	2895.00	1300.43	2529.00	39013.00
December	1462.87	1623.00	1233.65	1383.00	38243.00

**2025 Total Treated Flows (m<sup>3</sup>) 436,400.00**

*\*Raw - The daily raw maximum rate of flow is 69.4 L/s and a maximum daily volume of 5997 m<sup>3</sup>/d.  
\*Treated - The maximum flow rate from the treatment subsystem to the distribution system is 6045 m<sup>3</sup> / day*





**System Failures & Corrective Actions**

The Ministry of Environment conducted an inspection of the Geraldton Drinking Water System on [May 28 2024](#). The [2024/25](#) final inspection report identified [no](#) non-compliance items. The Geraldton Drinking Water System was not inspected in 2025.

The [2024/25](#) final inspection rating record for the Geraldton Drinking Water System was [100%](#)

Item	Non-Compliance Identified	Compliance Date <i>yyyy/mm/dd</i>	Action Being Taken to Address item	Status
1				

**Adverse Water Quality Incidents (AWQIs)**

In the reporting year of [2025](#), there were [two](#) adverse water quality incident (AWQI) reports filed as summarized in the table below.

Incident Date <i>yyyy/mm/dd</i>	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date <i>yyyy/mm/dd</i>
<a href="#">Aug 19 2025</a>	<a href="#">Loss of Pressure</a>			<a href="#">Localized BWA for 19 residences, 1 apartment building and 1 business, Sample beyond break</a>	<a href="#">Aug 22 2025</a>
<a href="#">Nov 6 2025</a>	<a href="#">Loss of Pressure</a>			<a href="#">Localized BWA for 3 residences, and 1 business, Sample beyond break</a>	<a href="#">Nov 10 2025</a>



## SECTION 5: RAW WATER SUBMISSIONS

The raw water flows were submitted to the Ministry on [February 5, 2026](#).



Location: [WTRS](#) / [WT DATA](#) / [Input WT Record](#)

WTRS-WT-008

**Water Taking Data submitted successfully.**

**Confirmation:**

Thank you for submitting your water taking data online.

Permit Number: 1640-CU6P2E

Permit Holder: THE CORPORATION OF THE MUNICIPALITY OF GREENSTONE.

Received on: Feb 5, 2026 11:20 AM

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.

[Return to Main Page](#)

TOWN2 SCHREIBER | 2026/02/05  
version: v5.0.0.01 (build#: 28)  
Last modified: 2021/09/22



This site maintained by  
the Government of Ontario

©2026 [Queen's Printer for Ontario](#)

## SECTION 6: CONCLUSION

For the operating year of [2025](#), the Geraldton Drinking-Water System delivered water that, in all its treated and distribution samples, indicates the water to be [free of bacteriological contamination](#).

In addition, the system was able to meet the demand of water use within the town [without exceeding](#) the Permit to Take Water or the Municipal Drinking Water Licence and Permit.



<b>List of Acronyms and Definitions</b>	
<b>Alkalinity</b>	The capacity of water for neutralizing an acid solution
<b>AWQI</b>	Adverse Water Quality Incident- when a water sample test result exceeds the Ontario Drinking Water Quality Standards
<b>Backwash</b>	Water pumped backwards to clean filters
<b>BWA</b>	Boil Water Advisory; Issued when risk of contamination is possible in drinking water
<b>CFU</b>	Colony Forming Units
<b>Chlorine Residual</b>	A low level of chlorine remaining in water after disinfection occurs
<b>DW</b>	Distribution Water
<b>DWA</b>	Drinking Water Advisory; Issued when water cannot be consumed by any means
<b>DWWP</b>	Drinking Water Works Permit - provides a description of the overall system
<b>E.Coli</b>	Bacteria used as indicators to measure the degree of pollution and sanitary quality of water
<b>GUDI</b>	Groundwater Under Direct Influence – Considered to be surface water under O.Reg 170/03
<b>HPC</b>	Heterotrophic Plant Count
<b>L/s</b>	Litres per Second
<b>m<sup>3</sup>/d</b>	Cubic Metres per Day
<b>MAC</b>	Maximum Acceptable Concentration
<b>MDL</b>	Minimum Detection Level
<b>MDWL</b>	Municipal Drinking Water Licence - relates to the operation and performance requirements
<b>mg/L</b>	Miligrams per Litre
<b>Ministry</b>	Ministry of the Environment, Conservation and Parks
<b>MECP</b>	Ministry of the Environment, Conservation and Parks
<b>NDOGN</b>	No Data: Overgrown with Non Target Bacteria
<b>NDOGT</b>	No Data: Overgrown with Target Bacteria
<b>O.Reg</b>	Ontario Regulation
<b>PTTW</b>	Permit to Take Water – Permit which allows water taking from groundwater or surface water
<b>RW</b>	Raw Water
<b>TC</b>	Total Coliforms
<b>TSS</b>	Total Suspended Solids
<b>Turbidity</b>	Cloudiness or haziness of water
<b>TW</b>	Treated Water



## Appendix A – Annual Water Taking Data

# Ontario Clean Water Agency Annual Water Taking and Transfer Report

From 1/1/2025 To 12/31/2025

Facility: GERALDTON DRINKING WATER SYSTEM - 5790  
 Tag: Flow: Sum(m³/d)  
 Tag Group: Raw Water

Permit#: 1640-CU6P2E	Coordinate Zone:
Source Name: Cecile Lake	Easting:
Source: Lake	Northing:
Type:	Method deter:
Purpose: Municipal	

Date Measured	Value (m³/d)	Value(Liters)
01/01/2025	1633.0000	1633000.0000
02/01/2025	1669.0000	1669000.0000
03/01/2025	1581.0000	1581000.0000
04/01/2025	3251.0000	3251000.0000
05/01/2025	1554.0000	1554000.0000
06/01/2025	3321.0000	3321000.0000
07/01/2025	1654.0000	1654000.0000
08/01/2025	1771.0000	1771000.0000
09/01/2025	1765.0000	1765000.0000
10/01/2025	2048.0000	2048000.0000
11/01/2025	2209.0000	2209000.0000
12/01/2025	2154.0000	2154000.0000
13/01/2025	2110.0000	2110000.0000
14/01/2025	2126.0000	2126000.0000
15/01/2025	2190.0000	2190000.0000
16/01/2025	2034.0000	2034000.0000
17/01/2025	2111.0000	2111000.0000
18/01/2025	2200.0000	2200000.0000
19/01/2025	2177.0000	2177000.0000
20/01/2025	2114.0000	2114000.0000
21/01/2025	2045.0000	2045000.0000
22/01/2025	2265.0000	2265000.0000
23/01/2025	2357.0000	2357000.0000
24/01/2025	2303.0000	2303000.0000
25/01/2025	2281.0000	2281000.0000
26/01/2025	2305.0000	2305000.0000
27/01/2025	2288.0000	2288000.0000
28/01/2025	2309.0000	2309000.0000

29/01/2025	2084.0000	2084000.0000
30/01/2025	1842.0000	1842000.0000
31/01/2025	1904.0000	1904000.0000
01/02/2025	1938.0000	1938000.0000
02/02/2025	1962.0000	1962000.0000
03/02/2025	1964.0000	1964000.0000
04/02/2025	1473.0000	1473000.0000
05/02/2025	1492.0000	1492000.0000
06/02/2025	1849.0000	1849000.0000
07/02/2025	1612.0000	1612000.0000
08/02/2025	1496.0000	1496000.0000
09/02/2025	1595.0000	1595000.0000
10/02/2025	1606.0000	1606000.0000
11/02/2025	1462.0000	1462000.0000
12/02/2025	1573.0000	1573000.0000
13/02/2025	1578.0000	1578000.0000
14/02/2025	1536.0000	1536000.0000
15/02/2025	1618.0000	1618000.0000
16/02/2025	1503.0000	1503000.0000
17/02/2025	1871.0000	1871000.0000
18/02/2025	1849.0000	1849000.0000
19/02/2025	1873.0000	1873000.0000
20/02/2025	1892.0000	1892000.0000
21/02/2025	1879.0000	1879000.0000
22/02/2025	1891.0000	1891000.0000
23/02/2025	1891.0000	1891000.0000
24/02/2025	1863.0000	1863000.0000
25/02/2025	1770.0000	1770000.0000
26/02/2025	1739.0000	1739000.0000
27/02/2025	1414.0000	1414000.0000
28/02/2025	1450.0000	1450000.0000
01/03/2025	1495.0000	1495000.0000
02/03/2025	1343.0000	1343000.0000
03/03/2025	1487.0000	1487000.0000
04/03/2025	1430.0000	1430000.0000
05/03/2025	1557.0000	1557000.0000
06/03/2025	1498.0000	1498000.0000
07/03/2025	1538.0000	1538000.0000
08/03/2025	1528.0000	1528000.0000
09/03/2025	1470.0000	1470000.0000
10/03/2025	1489.0000	1489000.0000
11/03/2025	1536.0000	1536000.0000
12/03/2025	1492.0000	1492000.0000
13/03/2025	1494.0000	1494000.0000

14/03/2025	1457.0000	1457000.0000
15/03/2025	1500.0000	1500000.0000
16/03/2025	1496.0000	1496000.0000
17/03/2025	1512.0000	1512000.0000
18/03/2025	1526.0000	1526000.0000
19/03/2025	1531.0000	1531000.0000
20/03/2025	1505.0000	1505000.0000
21/03/2025	1419.0000	1419000.0000
22/03/2025	1495.0000	1495000.0000
23/03/2025	1504.0000	1504000.0000
24/03/2025	1484.0000	1484000.0000
25/03/2025	1354.0000	1354000.0000
26/03/2025	1514.0000	1514000.0000
27/03/2025	1378.0000	1378000.0000
28/03/2025	1509.0000	1509000.0000
29/03/2025	1484.0000	1484000.0000
30/03/2025	1461.0000	1461000.0000
31/03/2025	1496.0000	1496000.0000
01/04/2025	1433.0000	1433000.0000
02/04/2025	1466.0000	1466000.0000
03/04/2025	1466.0000	1466000.0000
04/04/2025	1486.0000	1486000.0000
05/04/2025	1346.0000	1346000.0000
06/04/2025	1449.0000	1449000.0000
07/04/2025	1518.0000	1518000.0000
08/04/2025	1507.0000	1507000.0000
09/04/2025	1519.0000	1519000.0000
10/04/2025	1327.0000	1327000.0000
11/04/2025	1342.0000	1342000.0000
12/04/2025	1423.0000	1423000.0000
13/04/2025	1445.0000	1445000.0000
14/04/2025	1480.0000	1480000.0000
15/04/2025	1368.0000	1368000.0000
16/04/2025	1453.0000	1453000.0000
17/04/2025	1432.0000	1432000.0000
18/04/2025	1375.0000	1375000.0000
19/04/2025	2880.0000	2880000.0000
20/04/2025	1457.0000	1457000.0000
21/04/2025	1434.0000	1434000.0000
22/04/2025	1620.0000	1620000.0000
23/04/2025	1443.0000	1443000.0000
24/04/2025	1458.0000	1458000.0000
25/04/2025	1390.0000	1390000.0000
26/04/2025	1510.0000	1510000.0000

27/04/2025	1526.0000	1526000.0000
28/04/2025	1429.0000	1429000.0000
29/04/2025	1489.0000	1489000.0000
30/04/2025	1467.0000	1467000.0000
01/05/2025	1647.0000	1647000.0000
02/05/2025	1607.0000	1607000.0000
03/05/2025	1563.0000	1563000.0000
04/05/2025	1664.0000	1664000.0000
05/05/2025	1679.0000	1679000.0000
06/05/2025	1587.0000	1587000.0000
07/05/2025	1610.0000	1610000.0000
08/05/2025	1651.0000	1651000.0000
09/05/2025	1334.0000	1334000.0000
10/05/2025	1314.0000	1314000.0000
11/05/2025	1171.0000	1171000.0000
12/05/2025	1580.0000	1580000.0000
13/05/2025	1427.0000	1427000.0000
14/05/2025	1372.0000	1372000.0000
15/05/2025	1400.0000	1400000.0000
16/05/2025	1267.0000	1267000.0000
17/05/2025	1287.0000	1287000.0000
18/05/2025	1428.0000	1428000.0000
19/05/2025	1243.0000	1243000.0000
20/05/2025	1382.0000	1382000.0000
21/05/2025	1247.0000	1247000.0000
22/05/2025	1379.0000	1379000.0000
23/05/2025	1224.0000	1224000.0000
24/05/2025	1318.0000	1318000.0000
25/05/2025	1389.0000	1389000.0000
26/05/2025	1255.0000	1255000.0000
27/05/2025	1337.0000	1337000.0000
28/05/2025	1267.0000	1267000.0000
29/05/2025	1403.0000	1403000.0000
30/05/2025	1272.0000	1272000.0000
31/05/2025	1084.0000	1084000.0000
01/06/2025	1270.0000	1270000.0000
02/06/2025	1180.0000	1180000.0000
03/06/2025	1158.0000	1158000.0000
04/06/2025	1186.0000	1186000.0000
05/06/2025	1249.0000	1249000.0000
06/06/2025	1134.0000	1134000.0000
07/06/2025	1452.0000	1452000.0000
08/06/2025	1188.0000	1188000.0000
09/06/2025	1047.0000	1047000.0000

10/06/2025	1197.0000	1197000.0000
11/06/2025	998.0000	998000.0000
12/06/2025	1226.0000	1226000.0000
13/06/2025	1187.0000	1187000.0000
14/06/2025	1208.0000	1208000.0000
15/06/2025	1398.0000	1398000.0000
16/06/2025	1291.0000	1291000.0000
17/06/2025	1187.0000	1187000.0000
18/06/2025	1486.0000	1486000.0000
19/06/2025	1706.0000	1706000.0000
20/06/2025	1344.0000	1344000.0000
21/06/2025	1183.0000	1183000.0000
22/06/2025	1080.0000	1080000.0000
23/06/2025	1138.0000	1138000.0000
24/06/2025	1178.0000	1178000.0000
25/06/2025	1043.0000	1043000.0000
26/06/2025	1251.0000	1251000.0000
27/06/2025	1093.0000	1093000.0000
28/06/2025	882.0000	882000.0000
29/06/2025	1012.0000	1012000.0000
30/06/2025	1099.0000	1099000.0000
01/07/2025	1169.0000	1169000.0000
02/07/2025	964.0000	964000.0000
03/07/2025	1196.0000	1196000.0000
04/07/2025	1127.0000	1127000.0000
05/07/2025	990.0000	990000.0000
06/07/2025	1105.0000	1105000.0000
07/07/2025	1210.0000	1210000.0000
08/07/2025	1075.0000	1075000.0000
09/07/2025	1072.0000	1072000.0000
10/07/2025	1183.0000	1183000.0000
11/07/2025	1407.0000	1407000.0000
12/07/2025	1028.0000	1028000.0000
13/07/2025	1167.0000	1167000.0000
14/07/2025	1175.0000	1175000.0000
15/07/2025	1015.0000	1015000.0000
16/07/2025	1166.0000	1166000.0000
17/07/2025	1118.0000	1118000.0000
18/07/2025	1075.0000	1075000.0000
19/07/2025	1170.0000	1170000.0000
20/07/2025	1067.0000	1067000.0000
21/07/2025	1259.0000	1259000.0000
22/07/2025	1044.0000	1044000.0000
23/07/2025	1113.0000	1113000.0000

24/07/2025	1185.0000	1185000.0000
25/07/2025	1013.0000	1013000.0000
26/07/2025	1060.0000	1060000.0000
27/07/2025	1078.0000	1078000.0000
28/07/2025	1197.0000	1197000.0000
29/07/2025	1206.0000	1206000.0000
30/07/2025	1038.0000	1038000.0000
31/07/2025	2168.0000	2168000.0000
01/08/2025	1107.0000	1107000.0000
02/08/2025	1191.0000	1191000.0000
03/08/2025	1074.0000	1074000.0000
04/08/2025	1084.0000	1084000.0000
05/08/2025	1168.0000	1168000.0000
06/08/2025	1084.0000	1084000.0000
07/08/2025	1007.0000	1007000.0000
08/08/2025	1309.0000	1309000.0000
09/08/2025	1013.0000	1013000.0000
10/08/2025	1031.0000	1031000.0000
11/08/2025	1062.0000	1062000.0000
12/08/2025	1058.0000	1058000.0000
13/08/2025	1203.0000	1203000.0000
14/08/2025	1082.0000	1082000.0000
15/08/2025	982.0000	982000.0000
16/08/2025	1228.0000	1228000.0000
17/08/2025	1113.0000	1113000.0000
18/08/2025	1057.0000	1057000.0000
19/08/2025	1295.0000	1295000.0000
20/08/2025	1069.0000	1069000.0000
21/08/2025	1033.0000	1033000.0000
22/08/2025	1034.0000	1034000.0000
23/08/2025	977.0000	977000.0000
24/08/2025	1001.0000	1001000.0000
25/08/2025	1050.0000	1050000.0000
26/08/2025	1246.0000	1246000.0000
27/08/2025	1060.0000	1060000.0000
28/08/2025	1075.0000	1075000.0000
29/08/2025	1028.0000	1028000.0000
30/08/2025	1050.0000	1050000.0000
31/08/2025	1039.0000	1039000.0000
01/09/2025	1172.0000	1172000.0000
02/09/2025	1153.0000	1153000.0000
03/09/2025	1061.0000	1061000.0000
04/09/2025	1321.0000	1321000.0000
05/09/2025	1111.0000	1111000.0000

06/09/2025	1089.0000	1089000.0000
07/09/2025	1116.0000	1116000.0000
08/09/2025	1060.0000	1060000.0000
09/09/2025	1227.0000	1227000.0000
10/09/2025	1195.0000	1195000.0000
11/09/2025	1162.0000	1162000.0000
12/09/2025	1138.0000	1138000.0000
13/09/2025	1083.0000	1083000.0000
14/09/2025	1313.0000	1313000.0000
15/09/2025	1223.0000	1223000.0000
16/09/2025	1235.0000	1235000.0000
17/09/2025	1378.0000	1378000.0000
18/09/2025	1256.0000	1256000.0000
19/09/2025	1414.0000	1414000.0000
20/09/2025	1046.0000	1046000.0000
21/09/2025	1086.0000	1086000.0000
22/09/2025	1129.0000	1129000.0000
23/09/2025	1032.0000	1032000.0000
24/09/2025	1065.0000	1065000.0000
25/09/2025	1086.0000	1086000.0000
26/09/2025	1059.0000	1059000.0000
27/09/2025	1071.0000	1071000.0000
28/09/2025	1106.0000	1106000.0000
29/09/2025	1200.0000	1200000.0000
30/09/2025	1066.0000	1066000.0000
01/10/2025	1130.0000	1130000.0000
02/10/2025	1059.0000	1059000.0000
03/10/2025	1318.0000	1318000.0000
04/10/2025	1074.0000	1074000.0000
05/10/2025	1083.0000	1083000.0000
06/10/2025	1322.0000	1322000.0000
07/10/2025	1445.0000	1445000.0000
08/10/2025	1608.0000	1608000.0000
09/10/2025	1615.0000	1615000.0000
10/10/2025	1501.0000	1501000.0000
11/10/2025	1180.0000	1180000.0000
12/10/2025	1409.0000	1409000.0000
13/10/2025	1234.0000	1234000.0000
14/10/2025	1294.0000	1294000.0000
15/10/2025	1189.0000	1189000.0000
16/10/2025	1202.0000	1202000.0000
17/10/2025	2290.0000	2290000.0000
18/10/2025	1315.0000	1315000.0000
19/10/2025	1170.0000	1170000.0000

20/10/2025	1294.0000	1294000.0000
21/10/2025	1294.0000	1294000.0000
22/10/2025	1190.0000	1190000.0000
23/10/2025	1172.0000	1172000.0000
24/10/2025	1239.0000	1239000.0000
25/10/2025	1183.0000	1183000.0000
26/10/2025	1272.0000	1272000.0000
27/10/2025	1495.0000	1495000.0000
28/10/2025	1270.0000	1270000.0000
29/10/2025	1249.0000	1249000.0000
30/10/2025	1517.0000	1517000.0000
31/10/2025	1192.0000	1192000.0000
01/11/2025	1351.0000	1351000.0000
02/11/2025	1384.0000	1384000.0000
03/11/2025	1251.0000	1251000.0000
04/11/2025	1503.0000	1503000.0000
05/11/2025	1788.0000	1788000.0000
06/11/2025	1441.0000	1441000.0000
07/11/2025	1475.0000	1475000.0000
08/11/2025	1424.0000	1424000.0000
09/11/2025	1359.0000	1359000.0000
10/11/2025	2885.0000	2885000.0000
11/11/2025	1355.0000	1355000.0000
12/11/2025	2895.0000	2895000.0000
13/11/2025	1519.0000	1519000.0000
14/11/2025	1511.0000	1511000.0000
15/11/2025	1471.0000	1471000.0000
16/11/2025	1429.0000	1429000.0000
17/11/2025	1608.0000	1608000.0000
18/11/2025	1681.0000	1681000.0000
19/11/2025	1490.0000	1490000.0000
20/11/2025	1493.0000	1493000.0000
21/11/2025	1437.0000	1437000.0000
22/11/2025	1372.0000	1372000.0000
23/11/2025	1526.0000	1526000.0000
24/11/2025	1527.0000	1527000.0000
25/11/2025	1321.0000	1321000.0000
26/11/2025	1414.0000	1414000.0000
27/11/2025	1352.0000	1352000.0000
28/11/2025	1353.0000	1353000.0000
29/11/2025	1480.0000	1480000.0000
30/11/2025	1308.0000	1308000.0000
01/12/2025	1483.0000	1483000.0000
02/12/2025	1447.0000	1447000.0000

03/12/2025	1209.0000	1209000.0000
04/12/2025	1464.0000	1464000.0000
05/12/2025	1428.0000	1428000.0000
06/12/2025	1317.0000	1317000.0000
07/12/2025	1289.0000	1289000.0000
08/12/2025	1431.0000	1431000.0000
09/12/2025	1444.0000	1444000.0000
10/12/2025	1452.0000	1452000.0000
11/12/2025	1434.0000	1434000.0000
12/12/2025	1448.0000	1448000.0000
13/12/2025	1407.0000	1407000.0000
14/12/2025	1486.0000	1486000.0000
15/12/2025	1439.0000	1439000.0000
16/12/2025	1457.0000	1457000.0000
17/12/2025	1439.0000	1439000.0000
18/12/2025	1501.0000	1501000.0000
19/12/2025	1498.0000	1498000.0000
20/12/2025	1452.0000	1452000.0000
21/12/2025	1475.0000	1475000.0000
22/12/2025	1623.0000	1623000.0000
23/12/2025	1434.0000	1434000.0000
24/12/2025	1484.0000	1484000.0000
25/12/2025	1578.0000	1578000.0000
26/12/2025	1449.0000	1449000.0000
27/12/2025	1603.0000	1603000.0000
28/12/2025	1542.0000	1542000.0000
29/12/2025	1536.0000	1536000.0000
30/12/2025	1550.0000	1550000.0000
31/12/2025	1550.0000	1550000.0000

# ***Longlac Drinking Water System***

Large Municipal Residential Drinking Water System

January 1 – December 31, 2025

*O.Reg 170/03 Schedule 22 Summary Report  
O.Reg 170/03 Section 11 Annual Report  
&  
O.Reg 387/04 Annual Record of Water Taking*

Issued: **February 2026**

Prepared by the



**Ontario Clean Water Agency  
Agence Ontarienne Des Eaux**



*Drinking-Water System Number:* 220000264  
*Drinking-Water System Name:* Longlac Drinking Water System  
*Drinking-Water System Owner:* The Corporation of the Municipality of Greenstone  
*Drinking-Water System Category:* Large Municipal Residential Drinking Water-System  
*Period being reported:* [January 1 – December 31, 2025](#)

## SECTION 1: INTRODUCTION

This document is prepared in accordance with Section 11 and Schedule 22 of O.Reg.170/03 under the Safe Drinking Water Act and with Section 9 of O.Reg.387/04 under the Ontario Water Resources Act.

The reports are prepared by the Ontario Clean Water Agency on behalf of the Corporation of the Municipality of Greenstone. Acronyms and definitions can be found at the end of the report.

A copy of the Summary Report must be provided to the members of the municipal council by [March 31, 2026](#).

## SECTION 2: REQUIREMENTS OF THE REPORTS

### ***Schedule 22 Report***

The report must list the requirements of the Act, the regulations, the system's approval and any order that the system failed to meet at any time during the period covered by the report. It must also specify the duration of the failure, and for each failure referred to, describe the measures that were taken to correct the failure.

For the purpose of enabling the owner of the system to assess the rated capability of their system to meet existing and future planned water uses, the following information is required to be included in this report:

- A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows.
- A comparison of the summary to the rated capacity and flow rates approved in the systems approval.

### ***Section 11 Report***

The annual report must contain the following:

- A brief description of the drinking water system and a list of chemicals used by the system.
- A description of any major expenses incurred during the period covered by the report to install, repair or replace required equipment.
- A summary of all adverse water quality incidents (AWQI) reported to the Ministry



- A summary of corrective actions taken in response all AWQIs
- A summary of all test results required under the regulation, under an approval, municipal drinking water license or order, including an OWRA order.
- A statement of where a Schedule 22 report will be available for inspection.

The report must be prepared not later than **February 28** of the following year.

**Regulation 387 Report**

On or before March 31 in every year, every holder of a permit to take water (PTTW) shall submit to a Director the data collected and recorded for the previous year.

A record of annual water taking can be found in [Appendix A. – Annual Water Taking Data](#)

**SECTION 3: SECTION 11 REPORT**

Information	
<b>Population Served</b>	1388
<b>Does your Drinking-Water System serve more than 10,000 people?</b>	Yes [ ] No [ X ]
<b>Is your annual report available to the public at no charge on a web site on the Internet?</b>	Yes [X] No [ ]
<b>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</b>	Geraldton Ward Office (Administration) 1800 Main Street Geraldton, ON P0T 1M0 Longlac Ward Office 105 Hamel Avenue Longlac, ON P0T 2A0
<b>Number of Designated Facilities served:</b>	N/A
<b>Did you provide a copy of your annual report to all Designated Facilities you serve?</b>	
<b>Number of Interested Authorities you report to:</b>	N/A
<b>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?</b>	
<b>List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:</b>	
DWS Name:	DWS: #
<b>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?</b>	
Yes [ ] No [ ]	
<b>Indicate how you notified system users that your annual report is available, and is free of charge.</b>	
[X] Public access/notice via the web [X] Public access/notice via Government Office (Municipal) [X] 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 – Community Television Channel

**Note:** For the following tables below, additional rows or columns may be added or an appendix may be attached to the report

### Facility Description

The Longlac Water Treatment Plant (WTP), located on Park Street, draws raw water from Long Lake. The WTP is a package plant, consisting of two Graver Reactors/Filters. Treatment includes coagulation, flocculation, and sedimentation with the aid of tube settlers, filtration, corrosion control and disinfection. This plant has a design capacity of 6,050 m<sup>3</sup>/day. The WTP presently serves a population of approximately 1750 persons within the community and 500 persons within two First Nations. The WTP was designed with the anticipation that the community would experience growth.

Long Lake is the sole source of supply for the Longlac water system. A surface water intake with 245 m of 450 mm diameter intake piping through two course screens convey water by gravity to the intake well, and the low lift pumping chamber. Alum is the coagulant and the flocculation aid is Nalclear 8181 (polymer), they are added to the raw water between the low lift pumps and the treatment unit. The water is then pumped to the Graver Reactors/Filters Treatment Unit. The Reactivators are solids contact clarifiers combining coagulation, flocculation, and sedimentation in one unit. The water is flocculated, and the floc settled out using tube settlers in the solids contact clarifier and by maintaining a sludge blanket. The water then passes through a two-compartment dual media (sand and anthrafil) filter.

Once through the filters the water is chlorinated with chlorine gas; and Carus 8500 orthophosphate is added for corrosion control. The water then enters a treated water reservoir. The reservoir, located beneath the process floor, is divided into three compartments with a total capacity of 705 m<sup>3</sup>. Three high lift pumps deliver the finished water to the distribution system. The elevated storage tank with a capacity of 2273 m<sup>3</sup> provides emergency storage and fire flow. Pressure is controlled by a pilot operated Pressure Relief Valve.

Wastewater from the filter backwash and clarifier blowdown is collected in a wastewater storage tank, and then pumped to the municipal sanitary sewer system.

A 200-kW-diesel generator provides standby power to the entire WTP.

### Chemicals Used During Reporting Period

- Aluminum Sulphate
- Chlorine Gas
- Carus 8500
- Nalclear 8181 Polymer



### Significant Expenses

Significant expenses were incurred to:

- Install Required Equipment
- X Repair Required Equipment
- Replace Required Equipment

Install	Repair	Replace	Description	Expense
		X	Back-Up Electric Heaters	\$13,146
		X	Filter Replacement project	\$1,132,247
	X		Distribution repairs and maintenance	\$23,451

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date (yyyy/mm/dd)	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date (yyyy/mm/dd)
July 9 2025	Operational - Improperly disinfected water directed to users. Water to chlorinator failed			Restore chlorination, flush and sample	July 11 2025
July 28 2025	Low Distribution Chlorine - less than 0.05 mg/l	0.02	mg/l	Isolate and drain tower, refill and confirm residuals.	July 31 2025

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw	53	<1 – 12	5 – 1730	N/A	N/A
Treated	54	0 – 0	0 – 0	52	<1 – 2
Distribution	125	0 – 0	0 – 0	52	<1 – 24



**Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report**

	Number of Grab Samples	Range of Results (min #)-(max #)
<b>Turbidity</b> Raw Filter #1 Filter #2	246 8760 8760	1.31 – 37.50 NTU 0.00 – 3.00 NTU 0.00 – 3.00 NTU
<b>Chlorine</b> Treated Distribution	8760 368	1.07 – 3.50 mg/L 0.02 – 2.20 mg/L
<b>Fluoride</b> (If the DWS provides fluoridation)	N/A	N/A

**NOTE:** For continuous monitors use 8760 as the number of samples.

\* Turbidity & chlorine Min/Max (lows/highs) are due to planned maintenance and not plant upset.

**Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument**

Date of legal instrument issued	Parameter	Date Sampled (yyyy/mm/dd)	Result	Unit of Measure
N/A	N/A	N/A	N/A	N/A

**Summary of Inorganic parameters tested during this reporting period or the most recent sample results**

Parameter	Sample Date (yyyy/mm/dd)	Result Value	Unit of Measure	MAC	Exceedance	
					MAC	½ MAC
Antimony	2025/01/21	< MDL 0.6	µg/L	6	No	No
Arsenic	2025/01/21	< MDL 1	µg/L	10	No	No
Barium	2025/01/21	< MDL 10	µg/L	1000	No	No
Boron	2025/01/21	< MDL 50	µg/L	5000	No	No
Cadmium	2025/01/21	< MDL 0.1	µg/L	5	No	No
Chromium	2025/01/21	< MDL 1	µg/L	50	No	No
Mercury	2025/01/21	< MDL 0.1	µg/L	1	No	No
Selenium	2025/01/21	< MDL 1	µg/L	50	No	No
Uranium	2025/01/21	< MDL 2	µg/L	20	No	No
Fluoride	2023/01/09	> MDL 0.05	mg/L	1.5	No	No
Nitrate	2025/01/06	0.159	mg/L	10	No	No
	2025/04/01	0.107	mg/L	10	No	No
	2025/07/07	0.054	mg/L	10	No	No
	2025/10/01	0.038	mg/L	10	No	No
Nitrite	2025/01/09	< MDL 0.01	mg/L	1	No	No
	2025/04/01	< MDL 0.01	mg/L	1	No	No
	2025/07/07	< MDL 0.01	mg/L	1	No	No
	2025/10/01	< MDL 0.01	mg/L	1	No	No
Sodium	2023/01/09	2.7	mg/L	20**	No	No

\*Lead Refer to Summary Table Below

\*\*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems



\*\*There is no MAC for Sodium. The aesthetic objective 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.

**Summary of lead testing under Schedule 15.1 during this reporting period**

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Number of Exceedances
Distribution	0		0
Distribution - Alkalinity_CaCO3:(mg/L)	4	29.0 – 58.8	N/A

**Summary of Organic parameters sampled during this reporting period or the most recent sample results**

Parameter	Sample Date (yyyy/mm/dd)	Result Value	Unit of Measure	MAC	Exceedance	
					MAC	½ MAC
<b>Treated Water</b>						
1,1-Dichloroethylene (ug/L)-TW	2025/01/21	< MDL 0.5	µg/L	14	No	No
1,2-Dichlorobenzene (ug/L)-TW	2025/01/21	< MDL 0.5	µg/L	200	No	No
1,2-Dichloroethane (ug/L)-TW	2025/01/21	< MDL 0.5	µg/L	5	No	No
1,4-Dichlorobenzene (ug/L)-TW	2025/01/21	< MDL 0.5	µg/L	5	No	No
2,3,4,6-Tetrachlorophenol (ug/L)-TW	2025/01/21	< MDL 0.5	µg/L	100	No	No
2,4,6-Trichlorophenol (ug/L)-TW	2025/01/21	< MDL 0.2	µg/L	5	No	No
2,4-Dichlorophenol (ug/L)-TW	2025/01/21	< MDL 0.2	µg/L	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW	2025/01/21	< MDL 0.25	µg/L	100	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW	2025/01/21	< MDL 0.25	µg/L	100	No	No
Alachlor (ug/L) -TW	2025/01/21	< MDL 0.05	µg/L	5	No	No
Atrazine + N-dealkylated metabolites (ug/L)-TW	2025/01/21	< MDL 0.14	µg/L	5	No	No
Azinphos-methyl (ug/L)-TW	2025/01/21	< MDL 0.1	µg/L	20	No	No
Benzene (ug/L)-TW	2025/01/21	< MDL 0.5	µg/L	1	No	No
Benzo(a)pyrene (ug/L)-TW	2025/01/21	< MDL 0.005	µg/L	0.01	No	Yes
Bromoxynil (ug/L)-TW	2025/01/21	< MDL 0.25	µg/L	5	No	No
Carbaryl (ug/L)-TW	2025/01/21	< MDL 0.05	µg/L	90	No	No
Carbofuran (ug/L) -TW	2025/01/21	< MDL 0.025	µg/L	90	No	No
Carbon Tetrachloride (ug/L) -TW	2025/01/21	< MDL 0.02	µg/L	2	No	No
Chlorpyrifos (ug/L) -TW	2025/01/21	< MDL 0.1	µg/L	90	No	No
Diazinon (ug/L)-TW	2025/01/21	< MDL 0.025	µg/L	20	No	No
Dicamba (ug/L)-TW	2025/01/21	< MDL 0.5	µg/L	120	No	No
Dichloromethane (Methylene Chloride) (ug/L)-TW	2025/01/21	< MDL 1	µg/L	50	No	No
Diclofop-methyl (ug/L)-TW	2025/01/21	< MDL 0.1	µg/L	9	No	No
Dimethoate (ug/L)-TW	2025/01/21	< MDL 0.05	µg/L	20	No	No
Diquat (ug/L)-TW	2025/01/21	< MDL 1	µg/L	70	No	No
Diuron (ug/L)-TW	2025/01/21	< MDL 0.05	µg/L	150	No	No



Glyphosate (ug/L)-TW	2025/01/21	< MDL 0.02	µg/L	280	No	No
Malathion (ug/L)-TW	2025/01/21	< MDL 0.025	µg/L	190	No	No
Metolachlor (ug/L)-TW	2025/01/21	< MDL 0.025	µg/L	50	No	No
Metribuzin (ug/L)-TW	2025/01/21	< MDL 0.1	µg/L	80	No	No
Monochlorobenzene (Chlorobenzene) (ug/L)-TW	2025/01/21	< MDL 0.5	µg/L	80	No	No
Paraquat (ug/L)-TW	2025/01/21	< MDL 1	µg/L	10	No	No
PCB (ug/L)-TW	2025/01/21	< MDL 0.03	µg/L	3	No	No
Pentachlorophenol (ug/L)-TW	2025/01/21	< MDL 0.5	µg/L	60	No	No
Phorate (ug/L)-TW	2025/01/21	< MDL 0.25	µg/L	2	No	No
Picloram (ug/L)-TW	2025/01/21	< MDL 0.5	µg/L	190	No	No
Prometryne (ug/L)-TW	2025/01/21	< MDL 0.025	µg/L	1	No	No
Simazine (ug/L)-TW	2025/01/21	< MDL 0.1	µg/L	10	No	No
Terbufos (ug/L)-TW	2025/01/21	< MDL 0.5	µg/L	1	No	No
Tetrachloroethylene (ug/L)-TW	2025/01/21	< MDL 0.5	µg/L	10	No	No
Triallate (ug/L) -TW	2025/01/21	< MDL 0.1	µg/L	230	No	No
Trichloroethylene (ug/L)-TW	2025/01/21	< MDL 0.5	µg/L	5	No	No
Trifluralin (ug/L)-TW	2025/01/21	< MDL 0.1	µg/L	45	No	No
Vinyl Chloride (ug/L)-TW	2025/01/21	< MDL 0.5	µg/L	1	No	No
<b>Distribution Water</b>						
THM (NOTE: show latest annual average)	2025/10/01	57.4	µg/L	N/A		
	<b>2025 Average</b>	<b>51.97</b>	µg/L	100	No	No
Haloacetic acids (HAA) (NOTE: show latest annual average)	2025/10/01	56.2	µg/L	N/A		
	<b>2025 Average</b>	<b>62.22</b>	µg/L	80	No	Yes

## SECTION 4: SCHEDULE 22 REPORT

### Flows – Treated

In accordance with the **Municipal Drinking Water Licence 225-105 Schedule C: System – Specific Conditions 1.0 Performance Limits**, the Longlac drinking-water system shall not be operated to exceed the rated capacity for maximum flow rate from the treatment subsystem to the distribution system of **4540 m<sup>3</sup>/ day**.

The drinking-water system may be operated temporarily at a rate above the rated capacity where necessary for

- i. The purposes of fighting a large fire or,
- ii. The maintenance of the drinking-water system

In **2025**, the average monthly treated flow rate was **27,591.67 m<sup>3</sup>**; the average daily treated flow rate was **907.49 m<sup>3</sup>**; and the maximum daily treated flow rate for the year was **1400 m<sup>3</sup>** representing **30.84%** of the allowable daily volume.

The Longlac Drinking-Water facility operated **below** the rated capacity in **2025**.



**Flows – Raw**

The daily raw maximum flow is stated in the PTTW as a maximum rate of flow of **3153 L/min (52.55 L/s)** and a maximum daily volume of **4540 m<sup>3</sup>/d**.

The average monthly raw flow rate was **30987.42 m<sup>3</sup>**; the average raw daily flow rate was **1019.39 m<sup>3</sup>**, with a maximum raw daily flow rate of **1588 m<sup>3</sup>**.

The quantity of raw water supplied during the reporting period **did not** exceed the terms and conditions of the *Permit to Take Water*.

**Summary of Flows**

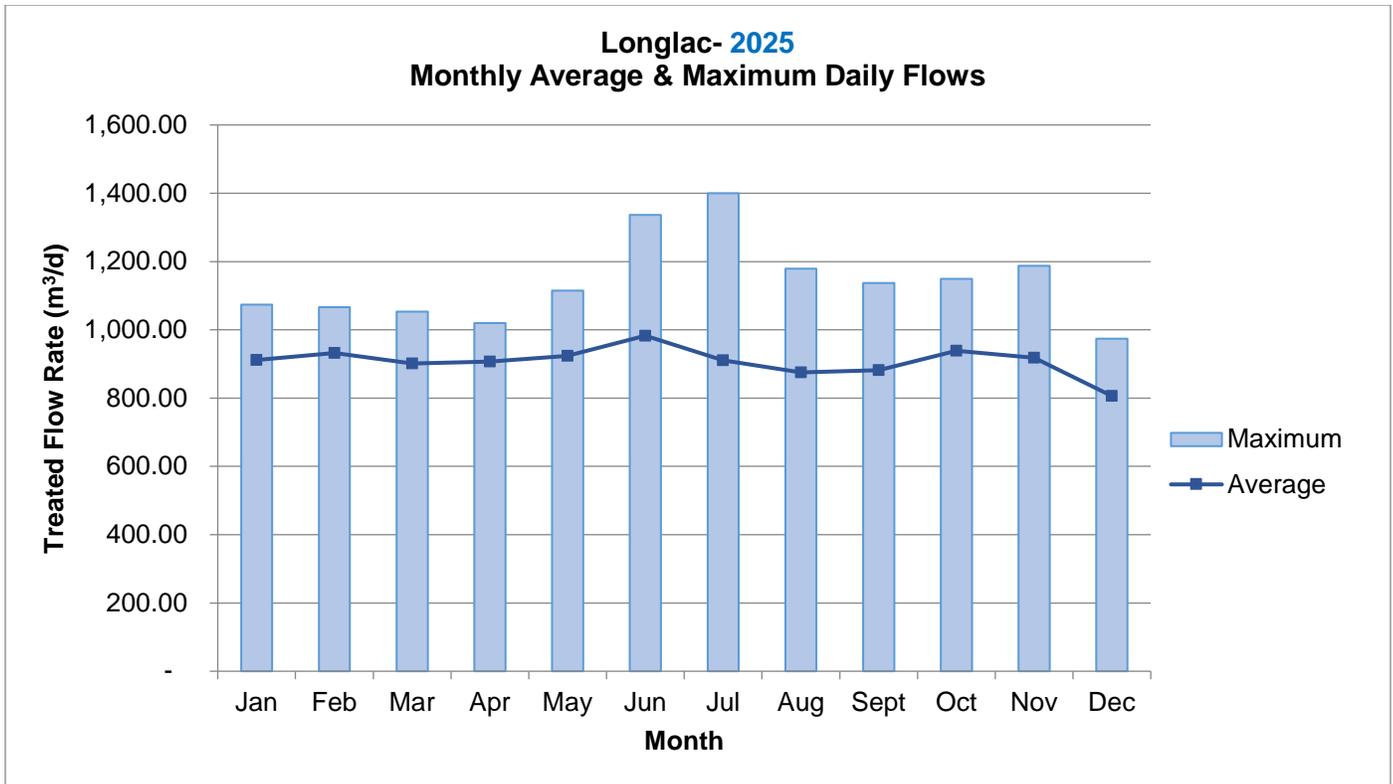
A summary of raw and treated flows are included in the tables/graphs below.

**Monthly Raw & Treated Flow Rates for 2025**

Month	Average Daily Flow Rate	Maximum Daily Flow Rate	Average Daily Flow Rate	Maximum Daily Flow Rate	Total Monthly Flow Rate
	Raw (m <sup>3</sup> /d)	Raw (m <sup>3</sup> /d)	Treated (m <sup>3</sup> /d)	Treated (m <sup>3</sup> /d)	Treated (m <sup>3</sup> /month)
January	1030.84	1154.00	911.55	1074.00	28258.00
February	1070.93	1586.00	932.36	1066.00	26106.00
March	1009.90	1175.00	901.32	1053.00	27941.00
April	1017.20	1117.00	907.30	1020.00	27219.00
May	1028.84	1144.00	924.03	1115.00	28645.00
June	1124.03	1400.00	982.80	1337.00	29484.00
July	1044.81	1588.00	910.77	1400.00	28234.00
August	982.84	1245.00	875.13	1179.00	27129.00
September	975.80	1106.00	881.73	1137.00	26452.00
October	1003.16	1226.00	939.06	1149.00	29111.00
November	1032.83	1379.00	917.70	1187.00	27531.00
December	911.45	1196.00	806.13	974.00	24990.00

**2025 Total Treated Flows (m<sup>3</sup>) 331100.00**





**System Failures & Corrective Actions**

The Ministry of Environment conducted an inspection of the Longlac Drinking Water System on [August 12, 2025](#). The [2025/26](#) final inspection report identified **no** non-compliance items.

The [2025/26](#) final inspection rating record for the Longlac Drinking Water System was **100%**

Item	Non-Compliance Identified	Compliance Date yyyy/mm/dd	Action Being Taken to Address item	Status



**Adverse Water Quality Incidents (AWQIs)**

In the reporting year of 2025, there were two adverse water quality incident (AWQI) reports filed as summarized in the table below.

Incident Date <i>yyyy/mm/dd</i>	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date <i>yyyy/mm/dd</i>
July 9 2025	Operational - Improperly disinfected water directed to users. Water to chlorinator failed			Restore chlorination, flush and sample	July 11 2025
July 28 2025	Low Distribution Chlorine - less than 0.05 mg/l	0.02	mg/l	Isolate and drain tower, refill and confirm residuals.	July 31 2025

**SECTION 5: RAW WATER SUBMISSIONS**

The raw water flows were submitted to the Ministry on February 5, 2026.

**Ontario** 

Location: [WTRS](#) / [WT DATA](#) / [Input WT Record](#) WTRS-WT-008

**Water Taking Data submitted successfully.**

**Confirmation:**

Thank you for submitting your water taking data online.

Permit Number: 8630-CTXLS6  
Permit Holder: THE CORPORATION OF THE MUNICIPALITY OF GREENSTONE.  
Received on: Feb 5, 2026 11:28 AM

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.

[Return to Main Page](#)

TOWN2 SCHREIBER | 2026/02/05  
version: v5.0.0.01 (build#: 28)  
Last modified: 2021/09/22



## SECTION 6: CONCLUSION

For the operating year of 2025, the Longlac Drinking-Water System delivered water that, in all its treated and distribution samples, indicates the water to be free of bacteriological contamination.

In addition, the system was able to meet the demand of water use within the town without exceeding the Permit to Take Water or the Municipal Drinking Water Licence and Permit.



<b>List of Acronyms and Definitions</b>	
<b>Alkalinity</b>	The capacity of water for neutralizing an acid solution
<b>AWQI</b>	Adverse Water Quality Incident- when a water sample test result exceeds the Ontario Drinking Water Quality Standards
<b>Backwash</b>	Water pumped backwards to clean filters
<b>BWA</b>	Boil Water Advisory; Issued when risk of contamination is possible in drinking water
<b>CFU</b>	Colony Forming Units
<b>Chlorine Residual</b>	A low level of chlorine remaining in water after disinfection occurs
<b>DW</b>	Distribution Water
<b>DWA</b>	Drinking Water Advisory; Issued when water cannot be consumed by any means
<b>DWWP</b>	Drinking Water Works Permit - provides a description of the overall system
<b>E.Coli</b>	Bacteria used as indicators to measure the degree of pollution and sanitary quality of water
<b>GUDI</b>	Groundwater Under Direct Influence – Considered to be surface water under O.Reg 170/03
<b>HPC</b>	Heterotrophic Plant Count
<b>L/s</b>	Litres per Second
<b>m<sup>3</sup>/d</b>	Cubic Metres per Day
<b>MAC</b>	Maximum Acceptable Concentration
<b>MDL</b>	Minimum Detection Level
<b>MDWL</b>	Municipal Drinking Water Licence - relates to the operation and performance requirements
<b>mg/L</b>	Miligrams per Litre
<b>Ministry</b>	Ministry of the Environment, Conservation and Parks
<b>MECP</b>	Ministry of the Environment, Conservation and Parks
<b>NDOGN</b>	No Data: Overgrown with Non Target Bacteria
<b>NDOGT</b>	No Data: Overgrown with Target Bacteria
<b>O.Reg</b>	Ontario Regulation
<b>PTTW</b>	Permit to Take Water – Permit which allows water taking from groundwater or surface water
<b>RW</b>	Raw Water
<b>TC</b>	Total Coliforms
<b>TSS</b>	Total Suspended Solids
<b>Turbidity</b>	Cloudiness or haziness of water
<b>TW</b>	Treated Water



## Appendix A – Annual Water Taking Data

# Ontario Clean Water Agency Annual Water Taking and Transfer Report

From 1/1/2025 To 12/31/2025

Facility: LONGLAC DRINKING WATER SYSTEM - 5768  
 Tag: Flow: Sum(m³/d)  
 Tag Group: Raw Water

Permit#: 8630-CTXLS6	Coordinate Zone:
Source Name: Long Lake	Easting:
Source: Lake	Northing:
Type:	Method deter:
Purpose: Municipal	

Date Measured	Value (m³/d)	Value(Liters)
01/01/2025	1101.0000	1101000.0000
02/01/2025	1138.0000	1138000.0000
03/01/2025	1025.0000	1025000.0000
04/01/2025	1138.0000	1138000.0000
05/01/2025	1154.0000	1154000.0000
06/01/2025	1070.0000	1070000.0000
07/01/2025	1145.0000	1145000.0000
08/01/2025	1032.0000	1032000.0000
09/01/2025	952.0000	952000.0000
10/01/2025	898.0000	898000.0000
11/01/2025	1038.0000	1038000.0000
12/01/2025	993.0000	993000.0000
13/01/2025	909.0000	909000.0000
14/01/2025	1057.0000	1057000.0000
15/01/2025	978.0000	978000.0000
16/01/2025	987.0000	987000.0000
17/01/2025	964.0000	964000.0000
18/01/2025	936.0000	936000.0000
19/01/2025	1065.0000	1065000.0000
20/01/2025	934.0000	934000.0000
21/01/2025	1020.0000	1020000.0000
22/01/2025	1067.0000	1067000.0000
23/01/2025	1038.0000	1038000.0000
24/01/2025	1074.0000	1074000.0000
25/01/2025	1074.0000	1074000.0000
26/01/2025	1087.0000	1087000.0000
27/01/2025	968.0000	968000.0000
28/01/2025	1002.0000	1002000.0000

29/01/2025	1012.0000	1012000.0000
30/01/2025	1094.0000	1094000.0000
31/01/2025	1006.0000	1006000.0000
01/02/2025	1001.0000	1001000.0000
02/02/2025	1012.0000	1012000.0000
03/02/2025	1005.0000	1005000.0000
04/02/2025	1008.0000	1008000.0000
05/02/2025	1007.0000	1007000.0000
06/02/2025	1071.0000	1071000.0000
07/02/2025	1060.0000	1060000.0000
08/02/2025	1082.0000	1082000.0000
09/02/2025	1029.0000	1029000.0000
10/02/2025	1015.0000	1015000.0000
11/02/2025	1005.0000	1005000.0000
12/02/2025	1041.0000	1041000.0000
13/02/2025	1043.0000	1043000.0000
14/02/2025	1586.0000	1586000.0000
15/02/2025	985.0000	985000.0000
16/02/2025	1089.0000	1089000.0000
17/02/2025	1002.0000	1002000.0000
18/02/2025	1005.0000	1005000.0000
19/02/2025	1005.0000	1005000.0000
20/02/2025	1030.0000	1030000.0000
21/02/2025	1075.0000	1075000.0000
22/02/2025	1087.0000	1087000.0000
23/02/2025	1042.0000	1042000.0000
24/02/2025	1025.0000	1025000.0000
25/02/2025	1283.0000	1283000.0000
26/02/2025	1143.0000	1143000.0000
27/02/2025	1170.0000	1170000.0000
28/02/2025	1080.0000	1080000.0000
01/03/2025	1138.0000	1138000.0000
02/03/2025	1175.0000	1175000.0000
03/03/2025	1047.0000	1047000.0000
04/03/2025	1099.0000	1099000.0000
05/03/2025	939.0000	939000.0000
06/03/2025	1051.0000	1051000.0000
07/03/2025	1014.0000	1014000.0000
08/03/2025	952.0000	952000.0000
09/03/2025	925.0000	925000.0000
10/03/2025	966.0000	966000.0000
11/03/2025	1052.0000	1052000.0000
12/03/2025	980.0000	980000.0000
13/03/2025	1044.0000	1044000.0000

14/03/2025	938.0000	938000.0000
15/03/2025	1002.0000	1002000.0000
16/03/2025	1060.0000	1060000.0000
17/03/2025	960.0000	960000.0000
18/03/2025	992.0000	992000.0000
19/03/2025	1018.0000	1018000.0000
20/03/2025	981.0000	981000.0000
21/03/2025	985.0000	985000.0000
22/03/2025	990.0000	990000.0000
23/03/2025	1089.0000	1089000.0000
24/03/2025	1026.0000	1026000.0000
25/03/2025	997.0000	997000.0000
26/03/2025	979.0000	979000.0000
27/03/2025	1021.0000	1021000.0000
28/03/2025	984.0000	984000.0000
29/03/2025	944.0000	944000.0000
30/03/2025	1007.0000	1007000.0000
31/03/2025	952.0000	952000.0000
01/04/2025	1014.0000	1014000.0000
02/04/2025	942.0000	942000.0000
03/04/2025	998.0000	998000.0000
04/04/2025	990.0000	990000.0000
05/04/2025	987.0000	987000.0000
06/04/2025	954.0000	954000.0000
07/04/2025	1007.0000	1007000.0000
08/04/2025	1004.0000	1004000.0000
09/04/2025	978.0000	978000.0000
10/04/2025	976.0000	976000.0000
11/04/2025	979.0000	979000.0000
12/04/2025	1024.0000	1024000.0000
13/04/2025	1093.0000	1093000.0000
14/04/2025	967.0000	967000.0000
15/04/2025	1031.0000	1031000.0000
16/04/2025	1041.0000	1041000.0000
17/04/2025	1041.0000	1041000.0000
18/04/2025	1045.0000	1045000.0000
19/04/2025	1022.0000	1022000.0000
20/04/2025	1080.0000	1080000.0000
21/04/2025	1024.0000	1024000.0000
22/04/2025	1013.0000	1013000.0000
23/04/2025	1049.0000	1049000.0000
24/04/2025	1004.0000	1004000.0000
25/04/2025	979.0000	979000.0000
26/04/2025	1049.0000	1049000.0000

27/04/2025	1117.0000	1117000.0000
28/04/2025	1039.0000	1039000.0000
29/04/2025	1000.0000	1000000.0000
30/04/2025	1069.0000	1069000.0000
01/05/2025	1034.0000	1034000.0000
02/05/2025	1014.0000	1014000.0000
03/05/2025	996.0000	996000.0000
04/05/2025	1036.0000	1036000.0000
05/05/2025	978.0000	978000.0000
06/05/2025	1077.0000	1077000.0000
07/05/2025	1068.0000	1068000.0000
08/05/2025	1023.0000	1023000.0000
09/05/2025	954.0000	954000.0000
10/05/2025	1059.0000	1059000.0000
11/05/2025	1063.0000	1063000.0000
12/05/2025	1060.0000	1060000.0000
13/05/2025	1048.0000	1048000.0000
14/05/2025	999.0000	999000.0000
15/05/2025	1086.0000	1086000.0000
16/05/2025	982.0000	982000.0000
17/05/2025	949.0000	949000.0000
18/05/2025	1060.0000	1060000.0000
19/05/2025	957.0000	957000.0000
20/05/2025	1079.0000	1079000.0000
21/05/2025	843.0000	843000.0000
22/05/2025	1084.0000	1084000.0000
23/05/2025	990.0000	990000.0000
24/05/2025	825.0000	825000.0000
25/05/2025	1129.0000	1129000.0000
26/05/2025	994.0000	994000.0000
27/05/2025	1137.0000	1137000.0000
28/05/2025	1058.0000	1058000.0000
29/05/2025	1100.0000	1100000.0000
30/05/2025	1068.0000	1068000.0000
31/05/2025	1144.0000	1144000.0000
01/06/2025	1050.0000	1050000.0000
02/06/2025	1133.0000	1133000.0000
03/06/2025	1138.0000	1138000.0000
04/06/2025	1197.0000	1197000.0000
05/06/2025	1172.0000	1172000.0000
06/06/2025	1206.0000	1206000.0000
07/06/2025	1018.0000	1018000.0000
08/06/2025	1110.0000	1110000.0000
09/06/2025	974.0000	974000.0000

10/06/2025	1160.0000	1160000.0000
11/06/2025	1039.0000	1039000.0000
12/06/2025	1258.0000	1258000.0000
13/06/2025	1136.0000	1136000.0000
14/06/2025	1254.0000	1254000.0000
15/06/2025	1267.0000	1267000.0000
16/06/2025	1340.0000	1340000.0000
17/06/2025	1191.0000	1191000.0000
18/06/2025	1291.0000	1291000.0000
19/06/2025	1400.0000	1400000.0000
20/06/2025	1220.0000	1220000.0000
21/06/2025	955.0000	955000.0000
22/06/2025	1079.0000	1079000.0000
23/06/2025	921.0000	921000.0000
24/06/2025	1074.0000	1074000.0000
25/06/2025	1034.0000	1034000.0000
26/06/2025	1133.0000	1133000.0000
27/06/2025	1056.0000	1056000.0000
28/06/2025	1053.0000	1053000.0000
29/06/2025	934.0000	934000.0000
30/06/2025	928.0000	928000.0000
01/07/2025	1068.0000	1068000.0000
02/07/2025	950.0000	950000.0000
03/07/2025	1011.0000	1011000.0000
04/07/2025	994.0000	994000.0000
05/07/2025	889.0000	889000.0000
06/07/2025	1011.0000	1011000.0000
07/07/2025	1087.0000	1087000.0000
08/07/2025	903.0000	903000.0000
09/07/2025	957.0000	957000.0000
10/07/2025	1119.0000	1119000.0000
11/07/2025	1272.0000	1272000.0000
12/07/2025	947.0000	947000.0000
13/07/2025	910.0000	910000.0000
14/07/2025	1041.0000	1041000.0000
15/07/2025	903.0000	903000.0000
16/07/2025	990.0000	990000.0000
17/07/2025	941.0000	941000.0000
18/07/2025	1039.0000	1039000.0000
19/07/2025	971.0000	971000.0000
20/07/2025	976.0000	976000.0000
21/07/2025	1003.0000	1003000.0000
22/07/2025	1115.0000	1115000.0000
23/07/2025	931.0000	931000.0000

24/07/2025	1064.0000	1064000.0000
25/07/2025	1131.0000	1131000.0000
26/07/2025	1035.0000	1035000.0000
27/07/2025	1013.0000	1013000.0000
28/07/2025	999.0000	999000.0000
29/07/2025	1194.0000	1194000.0000
30/07/2025	1337.0000	1337000.0000
31/07/2025	1588.0000	1588000.0000
01/08/2025	1245.0000	1245000.0000
02/08/2025	957.0000	957000.0000
03/08/2025	1024.0000	1024000.0000
04/08/2025	966.0000	966000.0000
05/08/2025	1115.0000	1115000.0000
06/08/2025	1151.0000	1151000.0000
07/08/2025	993.0000	993000.0000
08/08/2025	918.0000	918000.0000
09/08/2025	902.0000	902000.0000
10/08/2025	1051.0000	1051000.0000
11/08/2025	1009.0000	1009000.0000
12/08/2025	878.0000	878000.0000
13/08/2025	937.0000	937000.0000
14/08/2025	917.0000	917000.0000
15/08/2025	1020.0000	1020000.0000
16/08/2025	1024.0000	1024000.0000
17/08/2025	1022.0000	1022000.0000
18/08/2025	1098.0000	1098000.0000
19/08/2025	848.0000	848000.0000
20/08/2025	1052.0000	1052000.0000
21/08/2025	905.0000	905000.0000
22/08/2025	1026.0000	1026000.0000
23/08/2025	566.0000	566000.0000
24/08/2025	885.0000	885000.0000
25/08/2025	860.0000	860000.0000
26/08/2025	964.0000	964000.0000
27/08/2025	1242.0000	1242000.0000
28/08/2025	915.0000	915000.0000
29/08/2025	894.0000	894000.0000
30/08/2025	1032.0000	1032000.0000
31/08/2025	1052.0000	1052000.0000
01/09/2025	962.0000	962000.0000
02/09/2025	922.0000	922000.0000
03/09/2025	1091.0000	1091000.0000
04/09/2025	932.0000	932000.0000
05/09/2025	869.0000	869000.0000

06/09/2025	923.0000	923000.0000
07/09/2025	1062.0000	1062000.0000
08/09/2025	1081.0000	1081000.0000
09/09/2025	999.0000	999000.0000
10/09/2025	1002.0000	1002000.0000
11/09/2025	1050.0000	1050000.0000
12/09/2025	968.0000	968000.0000
13/09/2025	875.0000	875000.0000
14/09/2025	932.0000	932000.0000
15/09/2025	1043.0000	1043000.0000
16/09/2025	1023.0000	1023000.0000
17/09/2025	1054.0000	1054000.0000
18/09/2025	984.0000	984000.0000
19/09/2025	901.0000	901000.0000
20/09/2025	888.0000	888000.0000
21/09/2025	967.0000	967000.0000
22/09/2025	1016.0000	1016000.0000
23/09/2025	958.0000	958000.0000
24/09/2025	924.0000	924000.0000
25/09/2025	1106.0000	1106000.0000
26/09/2025	836.0000	836000.0000
27/09/2025	982.0000	982000.0000
28/09/2025	1022.0000	1022000.0000
29/09/2025	825.0000	825000.0000
30/09/2025	1077.0000	1077000.0000
01/10/2025	1023.0000	1023000.0000
02/10/2025	1142.0000	1142000.0000
03/10/2025	965.0000	965000.0000
04/10/2025	834.0000	834000.0000
05/10/2025	1009.0000	1009000.0000
06/10/2025	945.0000	945000.0000
07/10/2025	1226.0000	1226000.0000
08/10/2025	852.0000	852000.0000
09/10/2025	930.0000	930000.0000
10/10/2025	1118.0000	1118000.0000
11/10/2025	993.0000	993000.0000
12/10/2025	977.0000	977000.0000
13/10/2025	949.0000	949000.0000
14/10/2025	1131.0000	1131000.0000
15/10/2025	1056.0000	1056000.0000
16/10/2025	1037.0000	1037000.0000
17/10/2025	1014.0000	1014000.0000
18/10/2025	1047.0000	1047000.0000
19/10/2025	1148.0000	1148000.0000

20/10/2025	977.0000	977000.0000
21/10/2025	914.0000	914000.0000
22/10/2025	951.0000	951000.0000
23/10/2025	942.0000	942000.0000
24/10/2025	933.0000	933000.0000
25/10/2025	940.0000	940000.0000
26/10/2025	966.0000	966000.0000
27/10/2025	936.0000	936000.0000
28/10/2025	1073.0000	1073000.0000
29/10/2025	1076.0000	1076000.0000
30/10/2025	992.0000	992000.0000
31/10/2025	1002.0000	1002000.0000
01/11/2025	1059.0000	1059000.0000
02/11/2025	675.0000	675000.0000
03/11/2025	1379.0000	1379000.0000
04/11/2025	1131.0000	1131000.0000
05/11/2025	1055.0000	1055000.0000
06/11/2025	1051.0000	1051000.0000
07/11/2025	963.0000	963000.0000
08/11/2025	1028.0000	1028000.0000
09/11/2025	1057.0000	1057000.0000
10/11/2025	926.0000	926000.0000
11/11/2025	1066.0000	1066000.0000
12/11/2025	1130.0000	1130000.0000
13/11/2025	1044.0000	1044000.0000
14/11/2025	1071.0000	1071000.0000
15/11/2025	965.0000	965000.0000
16/11/2025	1169.0000	1169000.0000
17/11/2025	1068.0000	1068000.0000
18/11/2025	1083.0000	1083000.0000
19/11/2025	1043.0000	1043000.0000
20/11/2025	1038.0000	1038000.0000
21/11/2025	1344.0000	1344000.0000
22/11/2025	992.0000	992000.0000
23/11/2025	1013.0000	1013000.0000
24/11/2025	923.0000	923000.0000
25/11/2025	969.0000	969000.0000
26/11/2025	1032.0000	1032000.0000
27/11/2025	1018.0000	1018000.0000
28/11/2025	1004.0000	1004000.0000
29/11/2025	801.0000	801000.0000
30/11/2025	888.0000	888000.0000
01/12/2025	913.0000	913000.0000
02/12/2025	867.0000	867000.0000

03/12/2025	926.0000	926000.0000
04/12/2025	967.0000	967000.0000
05/12/2025	863.0000	863000.0000
06/12/2025	870.0000	870000.0000
07/12/2025	871.0000	871000.0000
08/12/2025	956.0000	956000.0000
09/12/2025	1000.0000	1000000.0000
10/12/2025	774.0000	774000.0000
11/12/2025	1196.0000	1196000.0000
12/12/2025	832.0000	832000.0000
13/12/2025	927.0000	927000.0000
14/12/2025	957.0000	957000.0000
15/12/2025	1015.0000	1015000.0000
16/12/2025	954.0000	954000.0000
17/12/2025	886.0000	886000.0000
18/12/2025	925.0000	925000.0000
19/12/2025	868.0000	868000.0000
20/12/2025	871.0000	871000.0000
21/12/2025	905.0000	905000.0000
22/12/2025	840.0000	840000.0000
23/12/2025	904.0000	904000.0000
24/12/2025	892.0000	892000.0000
25/12/2025	931.0000	931000.0000
26/12/2025	868.0000	868000.0000
27/12/2025	897.0000	897000.0000
28/12/2025	904.0000	904000.0000
29/12/2025	857.0000	857000.0000
30/12/2025	907.0000	907000.0000
31/12/2025	912.0000	912000.0000

# ***Nakina Drinking Water System***

Large Municipal Residential Drinking Water System

January 1 – December 31, 2025

*O.Reg 170/03 Schedule 22 Summary Report  
O.Reg 170/03 Section 11 Annual Report  
&  
O.Reg 387/04 Annual Record of Water Taking*

Issued: **February 2026**

Prepared by the



**Ontario Clean Water Agency  
Agence Ontarienne Des Eaux**



*Drinking-Water System Number:* 220000200  
*Drinking-Water System Name:* Nakina Drinking Water System  
*Drinking-Water System Owner:* The Corporation of the Municipality of Greenstone  
*Drinking-Water System Category:* Large Municipal Residential Drinking Water-System  
*Period being reported:* [January 1 – December 31, 2025](#)

## SECTION 1: INTRODUCTION

This document is prepared in accordance with Section 11 and Schedule 22 of O.Reg.170/03 under the Safe Drinking Water Act and with Section 9 of O.Reg.387/04 under the Ontario Water Resources Act.

The reports are prepared by the Ontario Clean Water Agency on behalf of the Corporation of the Municipality of Greenstone. Acronyms and definitions can be found at the end of the report.

A copy of the Summary Report must be provided to the members of the municipal council by [March 31, 2026](#).

## SECTION 2: REQUIREMENTS OF THE REPORTS

### ***Schedule 22 Report***

The report must list the requirements of the Act, the regulations, the system's approval and any order that the system failed to meet at any time during the period covered by the report. It must also specify the duration of the failure, and for each failure referred to, describe the measures that were taken to correct the failure.

For the purpose of enabling the owner of the system to assess the rated capability of their system to meet existing and future planned water uses, the following information is required to be included in this report:

- A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows.
- A comparison of the summary to the rated capacity and flow rates approved in the systems approval.

### ***Section 11 Report***

The annual report must contain the following:

- A brief description of the drinking water system and a list of chemicals used by the system.
- A description of any major expenses incurred during the period covered by the report to install, repair or replace required equipment.
- A summary of all adverse water quality incidents (AWQI) reported to the Ministry



- A summary of corrective actions taken in response all AWQIs
- A summary of all test results required under the regulation, under an approval, municipal drinking water license or order, including an OWRA order.
- A statement of where a Schedule 22 report will be available for inspection.

The report must be prepared not later than **February 28** of the following year.

**Regulation 387 Report**

On or before March 31 in every year, every holder of a permit to take water (PTTW) shall submit to a Director the data collected and recorded for the previous year.

A record of annual water taking can be found in [Appendix A. –Annual Water Taking Data](#)

**SECTION 3: SECTION 11 REPORT**

Information	
<b>Population Served</b>	575
<b>Does your Drinking-Water System serve more than 10,000 people?</b>	Yes [ ] No [ X ]
<b>Is your annual report available to the public at no charge on a web site on the Internet?</b>	Yes [X] No [ ]
<b>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</b>	Geraldton Ward Office (Administration) 1800 Main Street Geraldton, ON P0T 1M0 Nakina Ward Office 200 Centre Avenue Nakina, ON P0T 2H0
<b>Number of Designated Facilities served:</b>	N/A
<b>Did you provide a copy of your annual report to all Designated Facilities you serve?</b>	
<b>Number of Interested Authorities you report to:</b>	N/A
<b>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?</b>	
<b>List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:</b>	
DWS Name:	DWS: #
<b>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?</b>	
Yes [ ] No [ ]	
<b>Indicate how you notified system users that your annual report is available, and is free of charge.</b>	
<input checked="" type="checkbox"/> Public access/notice via the web <input checked="" type="checkbox"/> Public access/notice via Government Office (Municipal) <input checked="" type="checkbox"/> Public access/notice via a newspaper <input checked="" type="checkbox"/> Public access/notice via Public Request <input type="checkbox"/> Public access/notice via a Public Library	



Public access/notice via other method – Community Television Channel

**Note:** For the following tables below, additional rows or columns may be added or an appendix may be attached to the report

### Facility Description

The Nakina Water Supply System is supplied by two (2) groundwater wells. The water supply aquifer utilized by the Corporation of the Municipality of Greenstone – Nakina Ward lies within an esker complex (significant sand and gravel deposit). These deposits are common throughout the area and the most extensive of these features trend southwesterly through the Township. Composed primarily of gravelly sand, this broad belt stretches approximately 4 km in width and 60 km in length. The two wells are located approximately 72 m from the southeastern shore of Rounds Lake.

The wells are housed within the same building, and a common header delivers water to the reservoir beneath the high lift pumping station. The water is chlorinated using sodium hypochlorite at the entry point to the reservoir. The high lift and fire pumps draw water from the reservoir for the delivery to the system.

Wells #1 & #2 are each capable of supplying 18.9 L/s, and were designed to be operated simultaneously for a total of 37.9 L/s. Fire flow and emergency storage is supplied from the reservoir. The facility presently serves a population of approximately 700 persons and was designed with the anticipation of growth within the community.

A 60 kW diesel generator provides standby power for the well pumps and a 200 kW diesel generator provides power for the chemical feed system and the high lift and fire pumps.

In a hydro geological study conducted by KGS Group, the wells were identified as not under the direct influence of surface water.

### Chemicals Used During Reporting Period

- Sodium Hypochlorite

### Significant Expenses

Significant expenses were incurred to:

- Install Required Equipment
- X Repair Required Equipment
- X Replace Required Equipment

Install	Repair	Replace	Description	Expense
	X		Treated Flow Meter	\$8,049
		X	SCADA upgrade	\$12,354



Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date (yyyy/mm/dd)	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date (yyyy/mm/dd)
April 16 2025	Operational - Loss of chlorine data over 5 minutes due to HMI failure	42	min	Restore HMI function, investigate failure of back-up	April 22 2025

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw Well 1	54	<1 – <1	<1 – <1	N/A	N/A
Raw Well 2	54	<1 – <1	<1 – <1	N/A	N/A
Treated	54	0 – 0	0 – 0	53	<1 – 2
Distribution	108	0 – 0	0 – 0	54	<1 – 9

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report

	Number of Grab Samples	Range of Results (min #)-(max #)
Turbidity Raw 1 Raw 2	44 189	0.11 – 0.44 NTU 0.06 – 0.39 NTU
Chlorine Treated Distribution	8760 377	0.00 – 5.00 mg/L 0.50 – 1.28 mg/L
Fluoride (If the DWS provides fluoridation)	N/A	N/A

**NOTE:** For continuous monitors use 8760 as the number of samples.

\* Turbidity & chlorine Min/Max (lows/highs) are due to planned maintenance and not plant upset.

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument

Date of legal instrument issued	Parameter	Date Sampled (yyyy/mm/dd)	Result	Unit of Measure
N/A	N/A	N/A	N/A	N/A



**Summary of Inorganic parameters tested during this reporting period or the most recent sample results**

Parameter	Sample Date (yyyy/mm/dd)	Result Value	Unit of Measure	MAC	Exceedance	
					MAC	½ MAC
Antimony	2024/04/03	< MDL 0.6	µg/L	6	No	No
Arsenic	2024/04/03	< MDL 1	µg/L	10	No	No
Barium	2024/04/03	19	µg/L	1000	No	No
Boron	2024/04/03	< MDL 50	µg/L	5000	No	No
Cadmium	2024/04/03	< MDL 0.1	µg/L	5	No	No
Chromium	2024/04/03	< MDL 1	µg/L	50	No	No
Mercury	2024/04/03	< MDL 0.1	µg/L	1	No	No
Selenium	2024/04/03	< MDL 1	µg/L	50	No	No
Uranium	2024/04/03	< MDL 2	µg/L	20	No	No
Fluoride	2024/12/16	< MDL 0.04	mg/L	1.5	No	No
Nitrate	2025/01/06	0.14	mg/L	10	No	No
	2025/04/22	0.174	mg/L	10	No	No
	2025/07/08	0.151	mg/L	10	No	No
	2025/10/06	0.132	mg/L	10	No	No
Nitrite	2025/01/06	< MDL 0.02	mg/L	1	No	No
	2025/04/22	< MDL 0.02	mg/L	1	No	No
	2025/07/08	< MDL 0.02	mg/L	1	No	No
	2025/10/06	< MDL 0.01	mg/L	1	No	No
Sodium	2024/12/30	31.6	mg/L	20**	Yes	Yes
*Lead	<i>Refer to Summary Table Below</i>					
<p>*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems</p> <p>**There is no MAC for Sodium. The aesthetic objective 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.</p>						

**Summary of lead testing under Schedule 15.1 during this reporting period**

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Number of Exceedances
Distribution - Lead	0	N/A	0
Distribution - Alkalinity_ CaCO3:(mg/L)	4	239 - 255	N/A

**Summary of Organic parameters sampled during this reporting period or the most recent sample results**

Parameter	Sample Date (yyyy/mm/dd)	Result Value	Unit of Measure	MAC	Exceedance	
					MAC	½ MAC
<b>Treated Water</b>						
1,1-Dichloroethylene (ug/L)-TW	2024/04/03	< MDL 0.5	µg/L	14	No	No
1,2-Dichlorobenzene (ug/L)-TW	2024/04/03	< MDL 0.5	µg/L	200	No	No
1,2-Dichloroethane (ug/L)-TW	2024/04/03	< MDL 0.5	µg/L	5	No	No



2025 Annual Report  
Nakina Water Treatment

1,4-Dichlorobenzene (ug/L)-TW	2024/04/03	< MDL 0.5	µg/L	5	No	No
2,3,4,6-Tetrachlorophenol (ug/L)-TW	2024/04/03	< MDL 0.5	µg/L	100	No	No
2,4,6-Trichlorophenol (ug/L)-TW	2024/04/03	< MDL 0.2	µg/L	5	No	No
2,4-Dichlorophenol (ug/L)-TW	2024/04/03	< MDL 0.2	µg/L	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW	2024/04/03	< MDL 0.05	µg/L	100	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW	2024/04/03	< MDL 0.05	µg/L	100	No	No
Alachlor (ug/L) -TW	2024/04/03	< MDL 0.05	µg/L	5	No	No
Atrazine + N-dealkylated metabolites (ug/L)-TW	2024/04/03	< MDL 0.14	µg/L	5	No	No
Azinphos-methyl (ug/L)-TW	2024/04/03	< MDL 0.1	µg/L	20	No	No
Benzene (ug/L)-TW	2024/04/03	< MDL 0.5	µg/L	1	No	No
Benzo(a)pyrene (ug/L)-TW	2024/04/03	< MDL 0.005	µg/L	0.01	No	Yes
Bromoxynil (ug/L)-TW	2024/04/03	< MDL 0.05	µg/L	5	No	No
Carbaryl (ug/L)-TW	2024/04/03	< MDL 0.05	µg/L	90	No	No
Carbofuran (ug/L) -TW	2024/04/03	< MDL 0.025	µg/L	90	No	No
Carbon Tetrachloride (ug/L) -TW	2024/04/03	< MDL 0.2	µg/L	2	No	No
Chlorpyrifos (ug/L) -TW	2024/04/03	< MDL 0.1	µg/L	90	No	No
Diazinon (ug/L)-TW	2024/04/03	< MDL 0.025	µg/L	20	No	No
Dicamba (ug/L)-TW	2024/04/03	< MDL 0.1	µg/L	120	No	No
Dichloromethane (Methylene Chloride) (ug/L)-TW	2024/04/03	< MDL 1	µg/L	50	No	No
Diclofop-methyl (ug/L)-TW	2024/04/03	< MDL 0.1	µg/L	9	No	No
Dimethoate (ug/L)-TW	2024/04/03	< MDL 0.05	µg/L	20	No	No
Diquat (ug/L)-TW	2024/04/03	< MDL 1	µg/L	70	No	No
Diuron (ug/L)-TW	2024/04/03	< MDL 0.05	µg/L	150	No	No
Glyphosate (ug/L)-TW	2024/04/03	< MDL 0.2	µg/L	280	No	No
Malathion (ug/L)-TW	2024/04/03	< MDL 0.025	µg/L	190	No	No
Metolachlor (ug/L)-TW	2024/04/03	< MDL 0.025	µg/L	50	No	No
Metribuzin (ug/L)-TW	2024/04/03	< MDL 0.1	µg/L	80	No	No
Monochlorobenzene (Chlorobenzene) (ug/L)-TW	2024/04/03	< MDL 0.5	µg/L	80	No	No
Paraquat (ug/L)-TW	2024/04/03	< MDL 1	µg/L	10	No	No
PCB (ug/L)-TW	2024/04/03	< MDL 0.03	µg/L	3	No	No
Pentachlorophenol (ug/L)-TW	2024/04/03	< MDL 0.5	µg/L	60	No	No
Phorate (ug/L)-TW	2024/04/03	< MDL 0.25	µg/L	2	No	No
Picloram (ug/L)-TW	2024/04/03	< MDL 0.1	µg/L	190	No	No
Prometryne (ug/L)-TW	2024/04/03	< MDL 0.025	µg/L	1	No	No
Simazine (ug/L)-TW	2024/04/03	< MDL 0.1	µg/L	10	No	No
Terbufos (ug/L)-TW	2024/04/03	< MDL 0.5	µg/L	1	No	No
Tetrachloroethylene (ug/L)-TW	2024/04/03	< MDL 0.5	µg/L	10	No	No
Triallate (ug/L) -TW	2024/04/03	< MDL 0.1	µg/L	230	No	No
Trichloroethylene (ug/L)-TW	2024/04/03	< MDL 0.5	µg/L	5	No	No
Trifluralin (ug/L)-TW	2024/04/03	< MDL 0.1	µg/L	45	No	No
Vinyl Chloride (ug/L)-TW	2024/04/03	< MDL 0.5	µg/L	1	No	No
<b>Distribution Water</b>						



THM (NOTE: show latest annual average)	2025/10/06	18.4	µg/L	N/A		
	<b>2025 Average</b>	<b>15.98</b>	µg/L	100	No	No
Haloacetic acids (HAA) (NOTE: show latest annual average)	2025/10/06	7.06	µg/L	N/A		
	<b>2025 Average</b>	<b>7.30</b>	µg/L	80	No	No

## SECTION 4: SCHEDULE 22 REPORT

### Flows – Treated

In accordance with the ***Municipal Drinking Water Licence 225-103 Schedule C: System – Specific Conditions 1.0 Performance Limits***, the Nakina drinking-water system shall not be operated to exceed the rated capacity for maximum flow rate from the treatment subsystem to the distribution system of **2000 m<sup>3</sup> / day**.

The drinking-water system may be operated temporarily at a rate above the rated capacity where necessary for

- i. The purposes of fighting a large fire or,
- ii. The maintenance of the drinking-water system

In 2025, the average monthly treated flow rate was **5526.42 m<sup>3</sup>**; the average daily treated flow rate was **181.67 m<sup>3</sup>**; and the maximum daily treated flow rate for the year was **262 m<sup>3</sup>** representing **13.1%** of the allowable daily volume.

The Nakina Drinking-Water facility operated **below** the rated capacity **in 2025**.

### Flows – Raw

The daily raw maximum flow for each well is stated in the PTTW as a maximum rate of flow of **1386 L/min (23.1 L/s)** and a maximum daily volume of **1995.84m<sup>3</sup>/d**. The total daily flow for both wells is **1995.84m<sup>3</sup>/d**.

The average monthly raw flow rate was **5462.75 m<sup>3</sup>**; the average raw daily flow rate was **179.59 m<sup>3</sup>**, with a maximum raw daily flow rate of **299.0 m<sup>3</sup>**.

The quantity of raw water supplied during the reporting period **did not** exceed the terms and conditions of the *Permit to Take Water*.



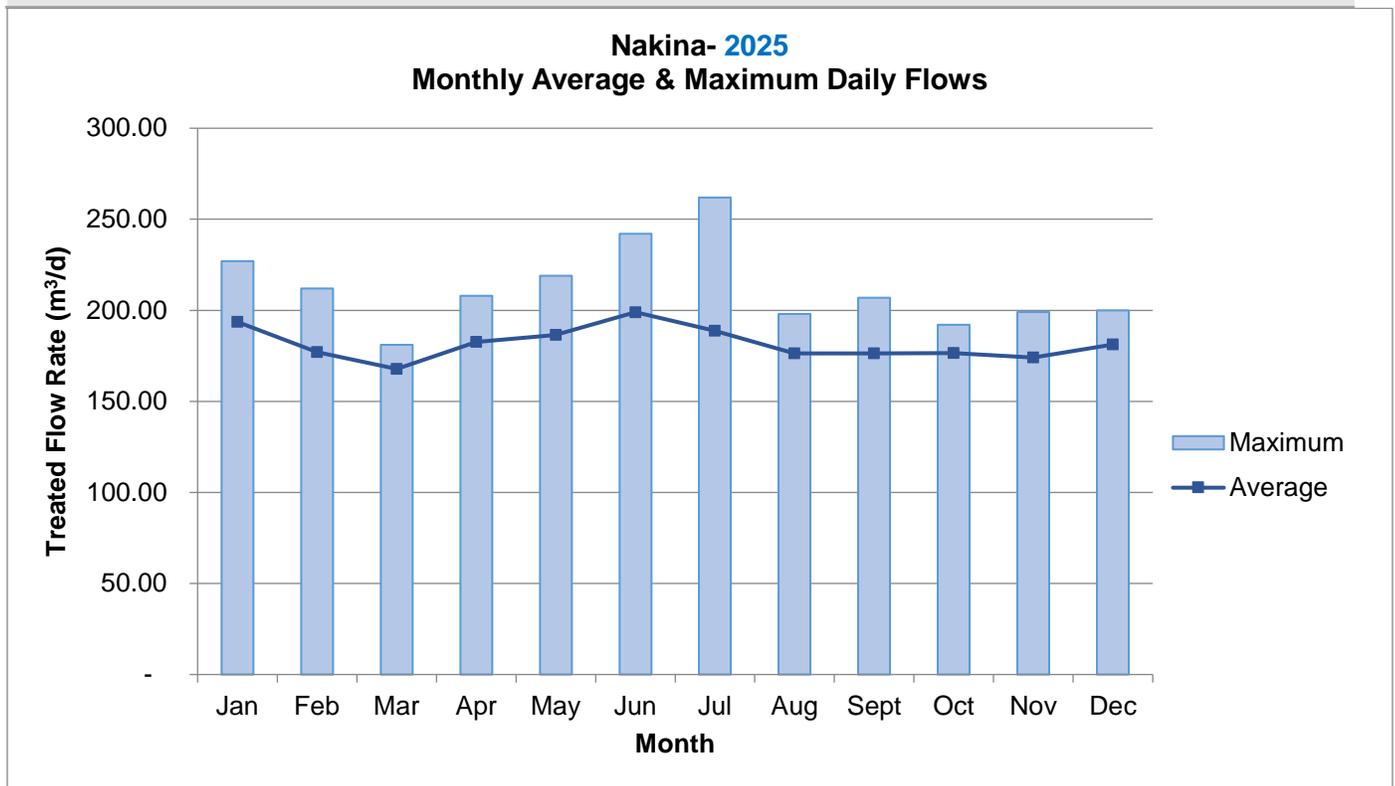
**Summary of Flows**

A summary of raw and treated flows are included in the tables/graphs below.

**Monthly Raw & Treated Flow Rates for 2025**

Month	Average Daily Flow Rate	Maximum Daily Flow Rate	Average Daily Flow Rate	Maximum Daily Flow Rate	Total Monthly Flow Rate
	Raw (m <sup>3</sup> /d)	Raw (m <sup>3</sup> /d)	Treated (m <sup>3</sup> /d)	Treated (m <sup>3</sup> /d)	Treated (m <sup>3</sup> /month)
January	190.13	259.00	193.68	227.00	6004.00
February	174.86	250.00	177.11	212.00	4959.00
March	159.03	256.00	167.81	181.00	5202.00
April	180.50	250.00	182.63	208.00	5479.00
May	182.84	299.00	186.55	219.00	5783.00
June	199.63	282.00	198.97	242.00	5969.00
July	174.61	269.00	188.68	262.00	5849.00
August	177.81	279.00	176.35	198.00	5467.00
September	174.30	264.00	176.43	207.00	5293.00
October	182.26	264.00	176.48	192.00	5471.00
November	173.63	260.00	174.03	199.00	5221.00
December	185.42	265.00	181.29	200.00	5620.00

**2025 Total Treated Flows (m<sup>3</sup>) 66317.00**





**System Failures & Corrective Actions**

The Ministry of Environment conducted an inspection of the Nakina Drinking Water System On [February 3 2025](#) and [December 9 2025](#). The December inspection report has not been completed. The February inspection was a 100% inspection.

Item	Non-Compliance Identified	Compliance Date <i>yyyy/mm/dd</i>	Action Being Taken to Address item	Status
1				

**Adverse Water Quality Incidents (AWQIs)**

In the reporting year of [2025](#), there were [one](#) adverse water quality incident (AWQI) reports filed as summarized in the table below.

Incident Date <i>yyyy/mm/dd</i>	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date <i>yyyy/mm/dd</i>
<a href="#">April 16 2025</a>	<a href="#">Operational - Loss of chlorine data over 5 minutes due to HMI failure</a>	<a href="#">42</a>	<a href="#">min</a>	<a href="#">Restore HMI function, investigate failure of back-up</a>	<a href="#">April 22 2025</a>



## SECTION 5: RAW WATER SUBMISSIONS

The raw water flows were submitted to the Ministry on [February 5, 2026](#).



Location: [WTRS](#) / [WT DATA](#) / [Input WT Record](#)

WTRS-WT-008

**Water Taking Data submitted successfully.**

**Confirmation:**

Thank you for submitting your water taking data online.

Permit Number: 8838-CUKPWE  
Permit Holder: THE CORPORATION OF THE MUNICIPALITY OF GREENSTONE.  
Received on: Feb 5, 2026 11:38 AM

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.

[Return to Main Page](#)

TOWN2 SCHREIBER | 2026/02/05  
version: v5.0.0.01 (build#: 28)  
Last modified: 2021/09/22

## SECTION 6: CONCLUSION

For the operating year of [2025](#), the Nakina Drinking-Water System delivered water that, in all its treated and distribution samples, indicates the water to be [free of bacteriological contamination](#).

In addition, the system was able to meet the demand of water use within the town [without exceeding](#) the Permit to Take Water or the Municipal Drinking Water Licence and Permit.



<b>List of Acronyms and Definitions</b>	
<b>Alkalinity</b>	The capacity of water for neutralizing an acid solution
<b>AWQI</b>	Adverse Water Quality Incident- when a water sample test result exceeds the Ontario Drinking Water Quality Standards
<b>Backwash</b>	Water pumped backwards to clean filters
<b>BWA</b>	Boil Water Advisory; Issued when risk of contamination is possible in drinking water
<b>CFU</b>	Colony Forming Units
<b>Chlorine Residual</b>	A low level of chlorine remaining in water after disinfection occurs
<b>DW</b>	Distribution Water
<b>DWA</b>	Drinking Water Advisory; Issued when water cannot be consumed by any means
<b>DWWP</b>	Drinking Water Works Permit - provides a description of the overall system
<b>E.Coli</b>	Bacteria used as indicators to measure the degree of pollution and sanitary quality of water
<b>GUDI</b>	Groundwater Under Direct Influence – Considered to be surface water under O.Reg 170/03
<b>HPC</b>	Heterotrophic Plant Count
<b>L/s</b>	Litres per Second
<b>m<sup>3</sup>/d</b>	Cubic Metres per Day
<b>MAC</b>	Maximum Acceptable Concentration
<b>MDL</b>	Minimum Detection Level
<b>MDWL</b>	Municipal Drinking Water Licence - relates to the operation and performance requirements
<b>mg/L</b>	Miligrams per Litre
<b>Ministry</b>	Ministry of the Environment, Conservation and Parks
<b>MECP</b>	Ministry of the Environment, Conservation and Parks
<b>NDOGN</b>	No Data: Overgrown with Non Target Bacteria
<b>NDOGT</b>	No Data: Overgrown with Target Bacteria
<b>O.Reg</b>	Ontario Regulation
<b>PTTW</b>	Permit to Take Water – Permit which allows water taking from groundwater or surface water
<b>RW</b>	Raw Water
<b>TC</b>	Total Coliforms
<b>TSS</b>	Total Suspended Solids
<b>Turbidity</b>	Cloudiness or haziness of water
<b>TW</b>	Treated Water



## Appendix A – Annual Water Taking Data

# Ontario Clean Water Agency Annual Water Taking and Transfer Report

From 1/1/2025 To 12/31/2025

Facility: NAKINA DRINKING WATER SYSTEM - 5914  
 Tag: Flow: Sum(m<sup>3</sup>/d)  
 Tag Group: Raw Well 1

Permit#: 8838-CUKPWE	Coordinate Zone:
Source Name: PW1	Easting:
Source: Well	Northing:
Type: Drilled	Method deter:
Purpose: Municipal	

Date Measured	Value (m <sup>3</sup> /d)	Value(Liters)
02/01/2025	4.0000	4000.0000
08/01/2025	3.0000	3000.0000
13/01/2025	3.0000	3000.0000
20/01/2025	2.0000	2000.0000
24/01/2025	11.0000	11000.0000
27/01/2025	3.0000	3000.0000
31/01/2025	9.0000	9000.0000
03/02/2025	3.0000	3000.0000
07/02/2025	9.0000	9000.0000
10/02/2025	3.0000	3000.0000
18/02/2025	4.0000	4000.0000
21/02/2025	10.0000	10000.0000
24/02/2025	3.0000	3000.0000
28/02/2025	10.0000	10000.0000
03/03/2025	2.0000	2000.0000
07/03/2025	11.0000	11000.0000
10/03/2025	3.0000	3000.0000
14/03/2025	10.0000	10000.0000
17/03/2025	4.0000	4000.0000
21/03/2025	11.0000	11000.0000
24/03/2025	3.0000	3000.0000
28/03/2025	12.0000	12000.0000
31/03/2025	3.0000	3000.0000
04/04/2025	16.0000	16000.0000
07/04/2025	3.0000	3000.0000
11/04/2025	14.0000	14000.0000
14/04/2025	3.0000	3000.0000
17/04/2025	9.0000	9000.0000

22/04/2025	4.0000	4000.0000
25/04/2025	13.0000	13000.0000
29/04/2025	3.0000	3000.0000
02/05/2025	12.0000	12000.0000
05/05/2025	3.0000	3000.0000
09/05/2025	12.0000	12000.0000
12/05/2025	3.0000	3000.0000
20/05/2025	3.0000	3000.0000
23/05/2025	16.0000	16000.0000
26/05/2025	3.0000	3000.0000
30/05/2025	17.0000	17000.0000
02/06/2025	4.0000	4000.0000
06/06/2025	15.0000	15000.0000
09/06/2025	3.0000	3000.0000
13/06/2025	11.0000	11000.0000
16/06/2025	3.0000	3000.0000
20/06/2025	10.0000	10000.0000
23/06/2025	2.0000	2000.0000
27/06/2025	2.0000	2000.0000
14/07/2025	4.0000	4000.0000
18/07/2025	16.0000	16000.0000
21/07/2025	3.0000	3000.0000
28/07/2025	3.0000	3000.0000
31/07/2025	4.0000	4000.0000
05/08/2025	4.0000	4000.0000
11/08/2025	3.0000	3000.0000
12/08/2025	2.0000	2000.0000
13/08/2025	3.0000	3000.0000
15/08/2025	29.0000	29000.0000
18/08/2025	2.0000	2000.0000
22/08/2025	18.0000	18000.0000
25/08/2025	4.0000	4000.0000
29/08/2025	18.0000	18000.0000
02/09/2025	4.0000	4000.0000
05/09/2025	12.0000	12000.0000
08/09/2025	3.0000	3000.0000
12/09/2025	10.0000	10000.0000
15/09/2025	3.0000	3000.0000
19/09/2025	16.0000	16000.0000
22/09/2025	4.0000	4000.0000
26/09/2025	17.0000	17000.0000
01/10/2025	3.0000	3000.0000
03/10/2025	10.0000	10000.0000
06/10/2025	3.0000	3000.0000

10/10/2025	12.0000	12000.0000
14/10/2025	4.0000	4000.0000
17/10/2025	15.0000	15000.0000
20/10/2025	4.0000	4000.0000
24/10/2025	16.0000	16000.0000
27/10/2025	3.0000	3000.0000
31/10/2025	20.0000	20000.0000
03/11/2025	3.0000	3000.0000
07/11/2025	20.0000	20000.0000
10/11/2025	3.0000	3000.0000
14/11/2025	22.0000	22000.0000
17/11/2025	4.0000	4000.0000
21/11/2025	11.0000	11000.0000
24/11/2025	4.0000	4000.0000
28/11/2025	13.0000	13000.0000
01/12/2025	3.0000	3000.0000
05/12/2025	14.0000	14000.0000
08/12/2025	3.0000	3000.0000
12/12/2025	12.0000	12000.0000
15/12/2025	3.0000	3000.0000
19/12/2025	14.0000	14000.0000
22/12/2025	3.0000	3000.0000
29/12/2025	4.0000	4000.0000

**Ontario Clean Water Agency**  
**Annual Water Taking and Transfer Report**

From 1/1/2025 To 12/31/2025

Facility: NAKINA DRINKING WATER SYSTEM - 5914  
 Tag: Flow: Sum(m³/d)  
 Tag Group: Raw Well 2

Permit#: 8838-CUKPWE	Coordinate Zone:
Source Name: PW2	Easting:
Source: Well	Northing:
Type: Drilled	Method deter:
Purpose: Municipal	

Date Measured	Value (m³/d)	Value(Liters)
01/01/2025	234.0000	234000.0000
02/01/2025	11.0000	11000.0000
03/01/2025	211.0000	211000.0000
04/01/2025	236.0000	236000.0000
06/01/2025	239.0000	239000.0000
07/01/2025	220.0000	220000.0000
08/01/2025	27.0000	27000.0000
09/01/2025	220.0000	220000.0000
10/01/2025	248.0000	248000.0000
11/01/2025	249.0000	249000.0000
12/01/2025	250.0000	250000.0000
13/01/2025	164.0000	164000.0000
14/01/2025	101.0000	101000.0000
15/01/2025	246.0000	246000.0000
16/01/2025	248.0000	248000.0000
17/01/2025	247.0000	247000.0000
18/01/2025	244.0000	244000.0000
19/01/2025	244.0000	244000.0000
20/01/2025	13.0000	13000.0000
21/01/2025	239.0000	239000.0000
22/01/2025	247.0000	247000.0000
23/01/2025	254.0000	254000.0000
25/01/2025	234.0000	234000.0000
26/01/2025	241.0000	241000.0000
27/01/2025	256.0000	256000.0000
28/01/2025	7.0000	7000.0000
29/01/2025	240.0000	240000.0000
30/01/2025	245.0000	245000.0000

31/01/2025	244.0000	244000.0000
01/02/2025	243.0000	243000.0000
02/02/2025	240.0000	240000.0000
03/02/2025	12.0000	12000.0000
04/02/2025	242.0000	242000.0000
05/02/2025	248.0000	248000.0000
06/02/2025	159.0000	159000.0000
07/02/2025	82.0000	82000.0000
08/02/2025	243.0000	243000.0000
09/02/2025	239.0000	239000.0000
10/02/2025	12.0000	12000.0000
11/02/2025	242.0000	242000.0000
12/02/2025	250.0000	250000.0000
14/02/2025	233.0000	233000.0000
15/02/2025	241.0000	241000.0000
16/02/2025	168.0000	168000.0000
17/02/2025	63.0000	63000.0000
18/02/2025	242.0000	242000.0000
19/02/2025	243.0000	243000.0000
20/02/2025	7.0000	7000.0000
21/02/2025	238.0000	238000.0000
22/02/2025	240.0000	240000.0000
24/02/2025	240.0000	240000.0000
25/02/2025	248.0000	248000.0000
26/02/2025	8.0000	8000.0000
27/02/2025	236.0000	236000.0000
28/02/2025	235.0000	235000.0000
02/03/2025	231.0000	231000.0000
03/03/2025	253.0000	253000.0000
04/03/2025	136.0000	136000.0000
05/03/2025	112.0000	112000.0000
06/03/2025	245.0000	245000.0000
07/03/2025	146.0000	146000.0000
08/03/2025	88.0000	88000.0000
09/03/2025	244.0000	244000.0000
10/03/2025	227.0000	227000.0000
11/03/2025	29.0000	29000.0000
12/03/2025	237.0000	237000.0000
13/03/2025	247.0000	247000.0000
15/03/2025	240.0000	240000.0000
16/03/2025	238.0000	238000.0000
17/03/2025	12.0000	12000.0000
18/03/2025	242.0000	242000.0000
19/03/2025	7.0000	7000.0000

20/03/2025	234.0000	234000.0000
21/03/2025	241.0000	241000.0000
23/03/2025	231.0000	231000.0000
24/03/2025	253.0000	253000.0000
25/03/2025	8.0000	8000.0000
26/03/2025	238.0000	238000.0000
27/03/2025	247.0000	247000.0000
29/03/2025	232.0000	232000.0000
30/03/2025	239.0000	239000.0000
31/03/2025	14.0000	14000.0000
01/04/2025	236.0000	236000.0000
02/04/2025	244.0000	244000.0000
03/04/2025	14.0000	14000.0000
04/04/2025	227.0000	227000.0000
05/04/2025	240.0000	240000.0000
06/04/2025	207.0000	207000.0000
07/04/2025	44.0000	44000.0000
08/04/2025	246.0000	246000.0000
09/04/2025	248.0000	248000.0000
10/04/2025	6.0000	6000.0000
11/04/2025	236.0000	236000.0000
12/04/2025	238.0000	238000.0000
13/04/2025	224.0000	224000.0000
14/04/2025	23.0000	23000.0000
15/04/2025	238.0000	238000.0000
16/04/2025	250.0000	250000.0000
17/04/2025	171.0000	171000.0000
18/04/2025	65.0000	65000.0000
19/04/2025	242.0000	242000.0000
20/04/2025	244.0000	244000.0000
21/04/2025	241.0000	241000.0000
22/04/2025	14.0000	14000.0000
23/04/2025	243.0000	243000.0000
24/04/2025	243.0000	243000.0000
25/04/2025	143.0000	143000.0000
26/04/2025	89.0000	89000.0000
27/04/2025	237.0000	237000.0000
28/04/2025	248.0000	248000.0000
29/04/2025	132.0000	132000.0000
30/04/2025	117.0000	117000.0000
01/05/2025	241.0000	241000.0000
02/05/2025	240.0000	240000.0000
04/05/2025	233.0000	233000.0000
05/05/2025	252.0000	252000.0000

06/05/2025	248.0000	248000.0000
07/05/2025	7.0000	7000.0000
08/05/2025	239.0000	239000.0000
09/05/2025	240.0000	240000.0000
10/05/2025	237.0000	237000.0000
12/05/2025	247.0000	247000.0000
13/05/2025	241.0000	241000.0000
14/05/2025	247.0000	247000.0000
16/05/2025	299.0000	299000.0000
17/05/2025	240.0000	240000.0000
19/05/2025	239.0000	239000.0000
20/05/2025	258.0000	258000.0000
21/05/2025	110.0000	110000.0000
22/05/2025	249.0000	249000.0000
23/05/2025	145.0000	145000.0000
24/05/2025	186.0000	186000.0000
25/05/2025	48.0000	48000.0000
26/05/2025	247.0000	247000.0000
27/05/2025	249.0000	249000.0000
28/05/2025	146.0000	146000.0000
29/05/2025	217.0000	217000.0000
30/05/2025	238.0000	238000.0000
31/05/2025	56.0000	56000.0000
01/06/2025	176.0000	176000.0000
02/06/2025	256.0000	256000.0000
03/06/2025	202.0000	202000.0000
04/06/2025	205.0000	205000.0000
05/06/2025	264.0000	264000.0000
06/06/2025	246.0000	246000.0000
08/06/2025	231.0000	231000.0000
09/06/2025	242.0000	242000.0000
10/06/2025	246.0000	246000.0000
11/06/2025	168.0000	168000.0000
12/06/2025	80.0000	80000.0000
13/06/2025	237.0000	237000.0000
14/06/2025	242.0000	242000.0000
15/06/2025	263.0000	263000.0000
16/06/2025	279.0000	279000.0000
17/06/2025	99.0000	99000.0000
18/06/2025	179.0000	179000.0000
19/06/2025	253.0000	253000.0000
20/06/2025	118.0000	118000.0000
21/06/2025	242.0000	242000.0000
22/06/2025	243.0000	243000.0000

23/06/2025	4.0000	4000.0000
24/06/2025	227.0000	227000.0000
25/06/2025	223.0000	223000.0000
26/06/2025	261.0000	261000.0000
27/06/2025	248.0000	248000.0000
28/06/2025	2.0000	2000.0000
29/06/2025	252.0000	252000.0000
30/06/2025	251.0000	251000.0000
01/07/2025	105.0000	105000.0000
02/07/2025	105.0000	105000.0000
03/07/2025	196.0000	196000.0000
04/07/2025	181.0000	181000.0000
05/07/2025	199.0000	199000.0000
06/07/2025	164.0000	164000.0000
07/07/2025	197.0000	197000.0000
08/07/2025	190.0000	190000.0000
09/07/2025	198.0000	198000.0000
10/07/2025	196.0000	196000.0000
11/07/2025	241.0000	241000.0000
12/07/2025	248.0000	248000.0000
14/07/2025	245.0000	245000.0000
15/07/2025	246.0000	246000.0000
16/07/2025	6.0000	6000.0000
17/07/2025	240.0000	240000.0000
18/07/2025	237.0000	237000.0000
20/07/2025	228.0000	228000.0000
21/07/2025	254.0000	254000.0000
22/07/2025	245.0000	245000.0000
23/07/2025	12.0000	12000.0000
24/07/2025	238.0000	238000.0000
25/07/2025	247.0000	247000.0000
26/07/2025	265.0000	265000.0000
27/07/2025	153.0000	153000.0000
28/07/2025	266.0000	266000.0000
29/07/2025	12.0000	12000.0000
30/07/2025	235.0000	235000.0000
31/07/2025	244.0000	244000.0000
01/08/2025	249.0000	249000.0000
03/08/2025	230.0000	230000.0000
04/08/2025	244.0000	244000.0000
05/08/2025	262.0000	262000.0000
06/08/2025	241.0000	241000.0000
07/08/2025	2.0000	2000.0000
08/08/2025	244.0000	244000.0000

09/08/2025	236.0000	236000.0000
10/08/2025	88.0000	88000.0000
11/08/2025	166.0000	166000.0000
12/08/2025	244.0000	244000.0000
13/08/2025	248.0000	248000.0000
14/08/2025	10.0000	10000.0000
15/08/2025	233.0000	233000.0000
16/08/2025	243.0000	243000.0000
17/08/2025	242.0000	242000.0000
18/08/2025	12.0000	12000.0000
19/08/2025	240.0000	240000.0000
20/08/2025	251.0000	251000.0000
21/08/2025	11.0000	11000.0000
22/08/2025	235.0000	235000.0000
23/08/2025	239.0000	239000.0000
24/08/2025	152.0000	152000.0000
25/08/2025	101.0000	101000.0000
26/08/2025	243.0000	243000.0000
27/08/2025	8.0000	8000.0000
28/08/2025	279.0000	279000.0000
29/08/2025	247.0000	247000.0000
31/08/2025	229.0000	229000.0000
01/09/2025	244.0000	244000.0000
02/09/2025	260.0000	260000.0000
03/09/2025	10.0000	10000.0000
04/09/2025	252.0000	252000.0000
05/09/2025	237.0000	237000.0000
06/09/2025	240.0000	240000.0000
07/09/2025	215.0000	215000.0000
08/09/2025	41.0000	41000.0000
09/09/2025	242.0000	242000.0000
10/09/2025	254.0000	254000.0000
11/09/2025	13.0000	13000.0000
12/09/2025	239.0000	239000.0000
13/09/2025	242.0000	242000.0000
15/09/2025	240.0000	240000.0000
16/09/2025	244.0000	244000.0000
17/09/2025	67.0000	67000.0000
18/09/2025	184.0000	184000.0000
19/09/2025	236.0000	236000.0000
20/09/2025	237.0000	237000.0000
22/09/2025	239.0000	239000.0000
23/09/2025	250.0000	250000.0000
24/09/2025	7.0000	7000.0000

25/09/2025	240.0000	240000.0000
26/09/2025	214.0000	214000.0000
27/09/2025	20.0000	20000.0000
28/09/2025	245.0000	245000.0000
29/09/2025	248.0000	248000.0000
01/10/2025	243.0000	243000.0000
02/10/2025	251.0000	251000.0000
04/10/2025	236.0000	236000.0000
05/10/2025	243.0000	243000.0000
06/10/2025	254.0000	254000.0000
07/10/2025	7.0000	7000.0000
08/10/2025	235.0000	235000.0000
09/10/2025	249.0000	249000.0000
11/10/2025	227.0000	227000.0000
12/10/2025	249.0000	249000.0000
13/10/2025	242.0000	242000.0000
14/10/2025	14.0000	14000.0000
15/10/2025	242.0000	242000.0000
16/10/2025	249.0000	249000.0000
17/10/2025	189.0000	189000.0000
18/10/2025	48.0000	48000.0000
19/10/2025	244.0000	244000.0000
20/10/2025	260.0000	260000.0000
21/10/2025	11.0000	11000.0000
22/10/2025	240.0000	240000.0000
23/10/2025	174.0000	174000.0000
24/10/2025	238.0000	238000.0000
26/10/2025	231.0000	231000.0000
27/10/2025	254.0000	254000.0000
28/10/2025	245.0000	245000.0000
29/10/2025	7.0000	7000.0000
30/10/2025	242.0000	242000.0000
31/10/2025	236.0000	236000.0000
02/11/2025	237.0000	237000.0000
03/11/2025	255.0000	255000.0000
04/11/2025	163.0000	163000.0000
05/11/2025	94.0000	94000.0000
06/11/2025	247.0000	247000.0000
07/11/2025	224.0000	224000.0000
09/11/2025	237.0000	237000.0000
10/11/2025	243.0000	243000.0000
11/11/2025	241.0000	241000.0000
12/11/2025	13.0000	13000.0000
13/11/2025	237.0000	237000.0000

14/11/2025	238.0000	238000.0000
16/11/2025	242.0000	242000.0000
17/11/2025	255.0000	255000.0000
18/11/2025	11.0000	11000.0000
19/11/2025	239.0000	239000.0000
20/11/2025	256.0000	256000.0000
22/11/2025	231.0000	231000.0000
23/11/2025	242.0000	242000.0000
24/11/2025	251.0000	251000.0000
25/11/2025	111.0000	111000.0000
26/11/2025	129.0000	129000.0000
27/11/2025	254.0000	254000.0000
29/11/2025	237.0000	237000.0000
30/11/2025	242.0000	242000.0000
01/12/2025	12.0000	12000.0000
02/12/2025	240.0000	240000.0000
03/12/2025	254.0000	254000.0000
04/12/2025	214.0000	214000.0000
05/12/2025	31.0000	31000.0000
06/12/2025	245.0000	245000.0000
07/12/2025	245.0000	245000.0000
08/12/2025	11.0000	11000.0000
09/12/2025	246.0000	246000.0000
10/12/2025	249.0000	249000.0000
11/12/2025	249.0000	249000.0000
13/12/2025	238.0000	238000.0000
14/12/2025	247.0000	247000.0000
15/12/2025	262.0000	262000.0000
16/12/2025	53.0000	53000.0000
17/12/2025	198.0000	198000.0000
18/12/2025	243.0000	243000.0000
19/12/2025	243.0000	243000.0000
20/12/2025	83.0000	83000.0000
21/12/2025	153.0000	153000.0000
22/12/2025	248.0000	248000.0000
23/12/2025	249.0000	249000.0000
24/12/2025	214.0000	214000.0000
25/12/2025	36.0000	36000.0000
26/12/2025	237.0000	237000.0000
27/12/2025	246.0000	246000.0000
28/12/2025	245.0000	245000.0000
29/12/2025	14.0000	14000.0000
30/12/2025	242.0000	242000.0000
31/12/2025	245.0000	245000.0000