

February 26, 2026

The Corporation of the Township of Emo  
PO Box 520  
Emo, ON  
P0W 1E0

**Re: For the Emo Water Treatment Plant; Waterworks No.: 210000657**  
O. Reg. 170 Section 11 & Schedule 22 Annual Reporting under SDWA  
O. Reg 387 Section 9 Annual Reporting under OWRA

Attached are the [2025](#) Annual and Summary Reports for the Emo Drinking Water System. 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.

Please note that any Orders that you have received directly from the MECP or any major expense incurred by the Municipality which is not listed should be reviewed and added to 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, 2026](#). 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

Yours truly,



Mike Dowhoszya  
Senior Operations Manager  
Northwestern Ontario Regional Hub  
807-271-1602

Copy to: Crystal Gray – CAO/Clerk- Treasurer  
Operations Staff – Emo Drinking Water System

# ***Emo 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:* 210000657  
*Drinking-Water System Name:* Emo Drinking Water System  
*Drinking-Water System Owner:* The Corporation of the Township of Emo  
*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 Township of Emo. 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](#).

**SECTION 3: SECTION 11 REPORT**

Information	
<b>Population Served</b>	950
<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>	Emo Municipal Office 39 Roy Street Emo, Ontario POW 1E0
<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 type="checkbox"/> Public access/notice via a newspaper <input 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 Emo Drinking Water System consists of a conventional filtration surface water treatment plant and the distribution mains. The Township draws water from the Rainy River through a 300mm screened intake pipe, extending approximately 100m off-shore and pumps the raw water to the water treatment plant via low lift pump station.

Raw water entering the plant is injected with coagulant and a polymer prior to entering a combined flocculation/sedimentation tank. Clarified water is directed to two media anthracite/sand gravity filters. Chlorine, as a gas solution, is added to the filter effluent and sodium carbonate is added for pH control upstream of three high lift pumps prior to directing treated water to the distribution system.

Sludge from the clarifiers and plant wastewater is pumped to the Township of Emo sewage system.

**Chemicals Used During Reporting Period**

- Chlorine gas
- Sodium carbonate
- Alum
- Polymer
- 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
	<b>X</b>		Hydrant flushing, water break repairs, etc.	\$ 11, 419.04
	<b>X</b>		Distribution repairs/maintenance	\$ 23, 563.10
		<b>X</b>	Engineering for Watermain Replacement – Hwy Corner of Queen	\$36, 653.26
			Carbon Monoxide Sensor	\$ 1,1870.00
			2025 Calibrations	\$ 4,130.00

**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)
2025/01/04	TC			Resample up and downstream	2025/01/10
2025/01/06	Q4 2024 THM (RAA) Exceedance	113.2	ug/L		2025/01/06
2025/03/13	Watermain Break			Repair, Flush and Resample	2025/03/24



2025/04/03	Q1 2025 THM RAA Exceedance	100.2	ug/L		2025/04/03
2025/08/05	turbidity - non-reportable event				2025/08/05

Note – For copies of any current Drinking Water Advisories or Health Information Advisories please contact the municipal office.

**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	52	1 -194	36 – 2420		
Treated	52	0 – 0	0 – 0	52	1 – 11
Distribution	131	0 – 0	0 – 1	131	1 – 31

**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 Treated Filter 1 Filter 2	62 8760 8760	0.90 – 2.29 NTU 0.01 – 3.00 NTU 0.00 – 3.00 NTU
Chlorine Distribution	8760	0.00 – 3.47
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	2025/02/24	< 0.60	µg/L	6	No	No
Arsenic	2025/02/24	< 1.0	µg/L	10	No	No
Barium	2025/02/24	< 10	µg/L	1000	No	No
Boron	2025/02/24	< 50	µg/L	5000	No	No
Cadmium	2025/02/24	< 0.1	µg/L	5	No	No
Chromium	2025/02/24	< 1	µg/L	50	No	No
Mercury	2025/02/24	N/A	µg/L	1	No	No
Selenium	2025/02/24	< 1.0	µg/L	50	No	No
Uranium	2025/02/24	< 2.0	µg/L	20	No	No
Fluoride	2022/10/17	> MDL 0.05	mg/L	1.5	No	No
Nitrate	2025/02/24	0.089	mg/L	10	No	No



	2025/04/14	0.121	mg/L	10	No	No
	2025/09/03	< MDL 0.02	mg/L	10	No	No
	2025/10/28	< MDL 0.02	mg/L	10	No	No
Nitrite	2025/02/24	< MDL 0.01	mg/L	1	No	No
	2025/04/14	< MDL 0.01	mg/L	1	No	No
	2025/09/03	< MDL 0.01	mg/L	1	No	No
	2025/10/28	< MDL 0.01	mg/L	1	No	No
Sodium	2022/10/17	16.3	mg/L	20**	No	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)

Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Number of Exceedances
Plumbing	N/A	N/A	N/A
Distribution	0	N/A	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	2025/02/24	< MDL 0.5	µg/L	14	No	No
1,2-Dichlorobenzene (ug/L)-TW	2025/02/24	< MDL 0.5	µg/L	200	No	No
1,2-Dichloroethane (ug/L)-TW	2025/02/24	< MDL 0.5	µg/L	5	No	No
1,4-Dichlorobenzene (ug/L)-TW	2025/02/24	< MDL 0.5	µg/L	5	No	No
2,3,4,6-Tetrachlorophenol (ug/L)-TW	2025/02/24	< MDL 0.5	µg/L	100	No	No
2,4,6-Trichlorophenol (ug/L)-TW	2025/02/24	< MDL 0.2	µg/L	5	No	No
2,4-Dichlorophenol (ug/L)-TW	2025/02/24	< MDL 0.2	µg/L	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW	2025/02/24	< MDL 0.05	µg/L	100	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW	2025/02/24	< MDL 0.05	µg/L	100	No	No
Alachlor (ug/L) -TW	2025/02/24	< MDL 0.05	µg/L	5	No	No
Atrazine + N-dealkylated metabolites (ug/L)-TW	2025/02/24	< MDL 0.14	µg/L	5	No	No
Azinphos-methyl (ug/L)-TW	2025/02/24	< MDL 0.1	µg/L	20	No	No
Benzene (ug/L)-TW	2025/02/24	< MDL 0.5	µg/L	1	No	No
Benzo(a)pyrene (ug/L)-TW	2025/02/24	< MDL 0.005	µg/L	0.01	No	No
Bromoxynil (ug/L)-TW	2025/02/24	< MDL 0.05	µg/L	5	No	No
Carbaryl (ug/L)-TW	2025/02/24	< MDL 0.05	µg/L	90	No	No
Carbofuran (ug/L) -TW	2025/02/24	< MDL 0.025	µg/L	90	No	No
Carbon Tetrachloride (ug/L) -TW	2025/02/24	< MDL 0.2	µg/L	2	No	No
Chlorpyrifos (ug/L) -TW	2025/02/24	< MDL 0.1	µg/L	90	No	No
Diazinon (ug/L)-TW	2025/02/24	< MDL 0.025	µg/L	20	No	No
Dicamba (ug/L)-TW	2025/02/24	< MDL 0.1	µg/L	120	No	No



Dichloromethane (Methylene Chloride) (ug/L)-TW	2025/02/24	< MDL 1	µg/L	50	No	No
Diclofop-methyl (ug/L)-TW	2025/02/24	< MDL 0.1	µg/L	9	No	No
Dimethoate (ug/L)-TW	2025/02/24	< MDL 0.05	µg/L	20	No	No
Diquat (ug/L)-TW	2025/02/24	< MDL 1	µg/L	70	No	No
Diuron (ug/L)-TW	2025/02/24	< MDL 0.05	µg/L	150	No	No
Glyphosate (ug/L)-TW	2025/02/24	< MDL 0.2	µg/L	280	No	No
Malathion (ug/L)-TW	2025/02/24	< MDL 0.025	µg/L	190	No	No
Metolachlor (ug/L)-TW	2025/02/24	< MDL 0.025	µg/L	50	No	No
Metribuzin (ug/L)-TW	2025/02/24	< MDL 0.1	µg/L	80	No	No
Monochlorobenzene (Chlorobenzene) (ug/L)-TW	2025/02/24	< MDL 0.5	µg/L	80	No	No
Paraquat (ug/L)-TW	2025/02/24	< MDL 1	µg/L	10	No	No
PCB (ug/L)-TW	2025/02/24	< MDL 0.03	µg/L	3	No	No
Pentachlorophenol (ug/L)-TW	2025/02/24	< MDL 0.5	µg/L	60	No	No
Phorate (ug/L)-TW	2025/02/24	< MDL 0.25	µg/L	2	No	No
Picloram (ug/L)-TW	2025/02/24	< MDL 0.2	µg/L	190	No	No
Prometryne (ug/L)-TW	2025/02/24	< MDL 0.025	µg/L	1	No	No
Simazine (ug/L)-TW	2025/02/24	< MDL 0.1	µg/L	10	No	No
Terbufos (ug/L)-TW	2025/02/24	< MDL 0.5	µg/L	1	No	No
Tetrachloroethylene (ug/L)-TW	2025/02/24	< MDL 0.5	µg/L	10	No	No
Triallate (ug/L) -TW	2025/02/24	< MDL 0.1	µg/L	230	No	No
Trichloroethylene (ug/L)-TW	2025/02/24	< MDL 0.5	µg/L	5	No	No
Trifluralin (ug/L)-TW	2025/02/24	< MDL 0.1	µg/L	45	No	No
Vinyl Chloride (ug/L)-TW	2025/02/24	< MDL 0.2	µg/L	1	No	No
<b>Distribution Water</b>						
THM	2025/10/27	120.3	µg/L		N/A	
(NOTE: show latest annual average)	<b>2025 Average</b>	<b>102.0</b>	µg/L	100	Yes	Yes
Haloacetic acids (HAA)	2025/10/27	53.4	µg/L		N/A	
(NOTE: show latest annual average)	<b>2025 Average</b>	<b>55.0</b>	µg/L	80	No	No

## SECTION 4: SCHEDULE 22 REPORT

### Flows – Treated

In accordance with the ***Municipal Drinking Water Licence 288-101 Schedule C: System – Specific Conditions 1.0 Performance Limits***, the Emo 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 **950 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 **9,875.80 m<sup>3</sup>**; the average daily treated flow rate was **324.48 m<sup>3</sup>**; and the maximum daily treated flow rate for the year was **543.03 m<sup>3</sup>** representing **57 %** of the allowable daily volume.

The Emo 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 **10.42 L/s** and a maximum daily volume of **900 m<sup>3</sup>/d**.

The average monthly raw flow rate was **10,626.02 m<sup>3</sup>**; the average raw daily flow rate was **349.06 m<sup>3</sup>**, with a maximum raw daily flow rate of **674.89 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.

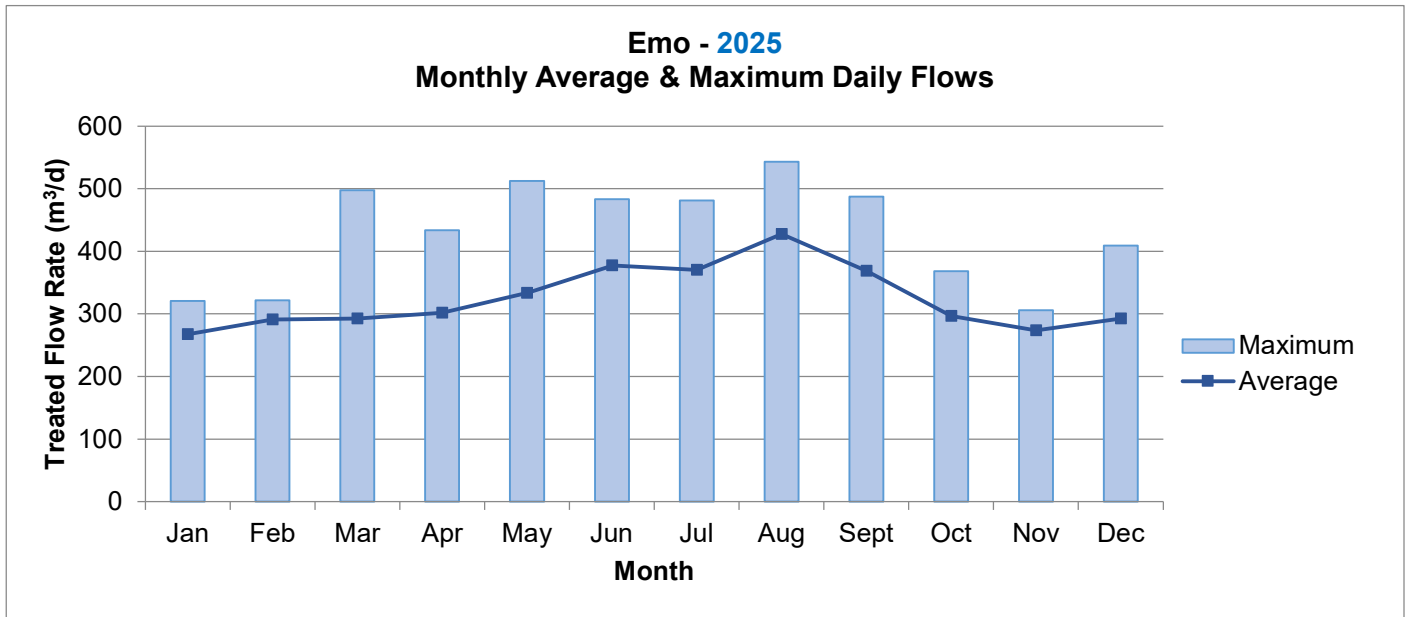
**Monthly Raw & Treated Flow Rates for 2025**

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	278.41	399.99	267.54	320.61	8,293.68
February	299.94	353.79	290.84	321.93	8,143.54
March	301.11	455.14	292.79	497.70	9,076.48
April	317.70	472.04	301.92	433.63	9,057.59
May	347.71	505.83	333.57	512.55	10,340.60
June	394.45	500.19	377.25	483.18	11,317.50
July	390.71	479.17	370.21	481.17	11,476.48
August	481.44	674.89	427.71	543.03	13,258.99
September	426.84	577.60	368.72	487.49	11,061.47
October	326.82	447.59	296.85	368.28	9,202.46
November	300.79	381.83	273.73	305.84	8,211.94
December	322.85	463.86	292.57	409.38	9,068.82

**2025 Total Treated Flows (m<sup>3</sup>) 118,509.55**

*\*Raw - The daily raw maximum rate of flow is 10.62 L/s and a maximum daily volume of 900 m<sup>3</sup>/d.*

*\*Treated - The maximum flow rate from the treatment subsystem to the distribution system is 2,722 m<sup>3</sup> / day*



**System Failures & Corrective Actions**

The Ministry of Environment conducted an inspection of the Emo Drinking Water System on [January 22 2025](#). The [2024/25](#) inspection report identified [1](#) non-compliance(s).

The [2024/25](#) inspection rating record for the Emo Drinking Water System was [96.7%](#)

Item	Non-Compliance Identified	Compliance Date yyyy/mm/dd	Action Being Taken to Address item	Status
1	A qualified person did not respond as required or take appropriate actions when continuous monitoring equipment required by O. Reg. 170/03, Municipal Drinking Water Licence, Drinking Water Works Permit, or order triggered an alarm or automatic shut-off.	N/A	The operator is aware of the error and will ensure they are attending the correct facility when responding to future alarms. There were no other issues with alarm responses for the remainder of the review period. No further action is required	Complete

The Ministry of Environment conducted an inspection of the Emo Drinking Water System on [November 19 2025](#). The [2025/26](#) inspection report identified [3](#) non-compliance(s).

The [2024/25](#) inspection rating record for the Emo Drinking Water System was [94.71%](#)



Item	Non-Compliance Identified	Compliance Date yyyy/mm/dd	Action Being Taken to Address item	Status
1	Treated water samples were collected on February 24, 2025, and submitted for analysis of inorganic parameters. However, one vial intended for mercury testing arrived at the laboratory broken. The lab paperwork confirmed that the mercury vial was received in this condition. The Emo DWS did not identify that mercury had not been analyzed	N/A	The next set of annual samples are scheduled for early 2026, and will be taken as required.	Complete
2	Haloacetic acids (HAA) are required to be collected from the distribution system or plumbing that is connected to the DWS that is likely to have an elevated potential for HAA formation. Samples are required every three months (calendar quarters Q1–Q4) in accordance with O. Reg. 170/03, Schedule 13. Each sample must be collected at least 60 days and not more than 120 days after the previous sample. This requirement was not consistently met during the review period.	N/A	N/A - No further action is required at this time	Complete
3	Under O. Reg. 170/03, Schedule 13, owners of drinking water systems must ensure that at least one water sample is collected every three months and tested for nitrate and nitrite. These quarterly samples (Q1–Q4) must be taken no sooner than 60 days and no later than 120 days after the previous quarter's sample. This requirement was not consistently met during the review period.	N/A	N/A - No further action is required at this time.	Complete

**Adverse Water Quality Incidents (AWQIs)**

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

Incident Date yyyy/mm/dd	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date yyyy/mm/dd
2025/01/04	TC			Resample up and downstream	2025/01/10
2025/01/06	Q4 2024 - THM (RAA) Exceedance	113.2	ug/L		2025/01/06
2025/03/13	Watermain Break			Repair, Flush and Resample	2025/03/24
2025/04/03	Q1 THM RAA Exceedance	100.2	ug/L		2025/04/03
2025/08/05	turbidity - non-reportable event				2025/08/05

Note – For copies of any current Drinking Water Advisories or Health Information Advisories please contact the municipal office.



## SECTION 5: RAW WATER SUBMISSIONS

The raw water flows were submitted to the Ministry on [January 30, 2026](#).

**Water Taking Data submitted successfully.**

**Confirmation:**

Thank you for submitting your water taking data online.

Permit Number: 0756-AVYL2X  
Permit Holder: THE CORPORATION OF THE TOWNSHIP OF EMO.  
Received on: Jan 30, 2026 10:34 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.

## SECTION 6: CONCLUSION

For the operating year of [2025](#), the Emo 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 License 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: EMO DRINKING WATER - 1459  
 Tag: Flow: Sum(m<sup>3</sup>/d)  
 Tag Group: Raw

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Permit#: 0756-AVYL2X	Coordinate Zone: 15
Source Name: Rainy River	Easting: 438384
Source: River	Northing: 5386538
Type:	Method deter: Metered
Purpose: Municipal	

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Date Measured	Value (m <sup>3</sup> /d)	Value(Liters)
01/01/2025	399.9890	399989.0137
02/01/2025	265.4540	265454.0100
03/01/2025	296.1110	296110.9924
04/01/2025	210.4670	210466.9952
05/01/2025	266.9160	266915.9851
06/01/2025	289.7610	289760.9863
07/01/2025	288.6560	288656.0059
08/01/2025	288.1040	288104.0039
09/01/2025	254.1490	254149.0021
10/01/2025	244.1710	244171.0052
11/01/2025	252.8980	252897.9950
12/01/2025	251.4490	251449.0051
13/01/2025	290.1450	290144.9890
14/01/2025	269.1140	269114.0137
15/01/2025	369.0890	369088.9893
16/01/2025	241.9860	241985.9924
17/01/2025	234.0380	234037.9944
18/01/2025	240.6390	240639.0076
19/01/2025	264.1150	264114.9902
20/01/2025	288.3970	288397.0032
21/01/2025	270.4140	270414.0015
22/01/2025	326.5960	326596.0083

<b>Date Measured</b>	<b>Value (m³/d)</b>	<b>Value(Liters)</b>
23/01/2025	269.0670	269066.9861
24/01/2025	249.9300	249929.9927
25/01/2025	248.4800	248479.9957
26/01/2025	242.8110	242811.0046
27/01/2025	342.0150	342015.0146
28/01/2025	306.1600	306160.0037
29/01/2025	310.6390	310639.0076
30/01/2025	310.6940	310694.0002
31/01/2025	248.2480	248248.0011
01/02/2025	243.0010	243001.0071
02/02/2025	322.0240	322023.9868
03/02/2025	321.0170	321016.9983
04/02/2025	305.5350	305535.0037
05/02/2025	311.2230	311222.9919
06/02/2025	309.9050	309904.9988
07/02/2025	353.7870	353786.9873
08/02/2025	219.3250	219324.9969
09/02/2025	294.2140	294213.9893
10/02/2025	288.4630	288463.0127
11/02/2025	344.9830	344983.0017
12/02/2025	330.6790	330678.9856
13/02/2025	243.1510	243151.0010
14/02/2025	286.8730	286872.9858
15/02/2025	260.9270	260927.0020
16/02/2025	271.5760	271575.9888
17/02/2025	284.3430	284342.9871
18/02/2025	278.5870	278587.0056
19/02/2025	342.0840	342084.0149
20/02/2025	288.2810	288281.0059
21/02/2025	341.2800	341279.9988
22/02/2025	318.9460	318946.0144
23/02/2025	305.2650	305265.0146
24/02/2025	300.7830	300782.9895
25/02/2025	240.9380	240938.0035
26/02/2025	330.3300	330329.9866
27/02/2025	309.2240	309223.9990
28/02/2025	351.6820	351682.0068
01/03/2025	316.4470	316446.9910

<b>Date Measured</b>	<b>Value (m³/d)</b>	<b>Value(Liters)</b>
02/03/2025	286.6470	286647.0032
03/03/2025	329.9260	329925.9949
04/03/2025	303.0910	303091.0034
05/03/2025	241.1890	241188.9954
06/03/2025	339.5650	339565.0024
07/03/2025	292.3310	292330.9937
08/03/2025	272.5540	272553.9856
09/03/2025	305.8450	305845.0012
10/03/2025	244.1410	244141.0065
11/03/2025	257.2830	257282.9895
12/03/2025	370.7250	370725.0061
13/03/2025	455.1430	455143.0054
14/03/2025	442.3830	442382.9956
15/03/2025	284.5280	284528.0151
16/03/2025	247.7170	247716.9952
17/03/2025	282.7400	282739.9902
18/03/2025	267.4970	267497.0093
19/03/2025	337.3940	337394.0125
20/03/2025	272.4420	272441.9861
21/03/2025	321.6120	321611.9995
22/03/2025	253.1390	253139.0076
23/03/2025	284.6290	284628.9978
24/03/2025	315.8450	315845.0012
25/03/2025	313.2110	313210.9985
26/03/2025	344.1580	344157.9895
27/03/2025	301.2370	301236.9995
28/03/2025	260.3040	260303.9856
29/03/2025	221.2970	221296.9971
30/03/2025	231.3220	231322.0062
31/03/2025	338.1170	338117.0044
01/04/2025	316.8420	316842.0105
02/04/2025	269.2040	269204.0100
03/04/2025	323.8760	323876.0071
04/04/2025	221.2190	221218.9941
05/04/2025	256.1700	256170.0134
06/04/2025	306.3590	306359.0088
07/04/2025	303.8020	303802.0020
08/04/2025	306.5840	306584.0149

<b>Date Measured</b>	<b>Value (m³/d)</b>	<b>Value(Liters)</b>
09/04/2025	263.1480	263148.0103
10/04/2025	265.5620	265562.0117
11/04/2025	302.2510	302251.0071
12/04/2025	202.1210	202121.0022
13/04/2025	240.8370	240837.0056
14/04/2025	332.0900	332089.9963
15/04/2025	303.1050	303105.0110
16/04/2025	325.7590	325759.0027
17/04/2025	321.8470	321846.9849
18/04/2025	259.1760	259175.9949
19/04/2025	301.4350	301434.9976
20/04/2025	284.0970	284096.9849
21/04/2025	319.9340	319933.9905
22/04/2025	394.4490	394449.0051
23/04/2025	459.4400	459440.0024
24/04/2025	354.8800	354880.0049
25/04/2025	446.8540	446854.0039
26/04/2025	342.3520	342351.9897
27/04/2025	299.9580	299958.0078
28/04/2025	354.2990	354299.0112
29/04/2025	381.2300	381230.0110
30/04/2025	472.0430	472042.9993
01/05/2025	374.1390	374139.0076
02/05/2025	357.3790	357378.9978
03/05/2025	330.5660	330566.0095
04/05/2025	329.8090	329808.9905
05/05/2025	399.5640	399563.9954
06/05/2025	505.8250	505825.0122
07/05/2025	407.3970	407397.0032
08/05/2025	279.7530	279752.9907
09/05/2025	310.4930	310493.0115
10/05/2025	329.3320	329332.0007
11/05/2025	331.8530	331852.9968
12/05/2025	352.0820	352082.0007
13/05/2025	354.6380	354638.0005
14/05/2025	397.6210	397621.0022
15/05/2025	282.7800	282779.9988
16/05/2025	292.7830	292782.9895

<b>Date Measured</b>	<b>Value (m³/d)</b>	<b>Value(Liters)</b>
17/05/2025	282.1560	282156.0059
18/05/2025	276.6360	276635.9863
19/05/2025	302.4770	302476.9897
20/05/2025	248.4070	248406.9977
21/05/2025	355.1440	355144.0125
22/05/2025	341.5200	341519.9890
23/05/2025	337.4590	337459.0149
24/05/2025	338.7350	338734.9854
25/05/2025	383.5790	383579.0100
26/05/2025	331.4260	331425.9949
27/05/2025	370.3620	370361.9995
28/05/2025	373.0470	373046.9971
29/05/2025	395.4740	395473.9990
30/05/2025	372.2080	372208.0078
31/05/2025	434.2350	434234.9854
01/06/2025	398.2450	398244.9951
02/06/2025	462.9150	462915.0085
03/06/2025	385.6190	385618.9880
04/06/2025	348.0000	348000.0000
05/06/2025	415.9350	415934.9976
06/06/2025	364.7660	364765.9912
07/06/2025	459.8440	459843.9941
08/06/2025	289.2450	289244.9951
09/06/2025	286.6860	286686.0046
10/06/2025	383.1420	383141.9983
11/06/2025	432.1030	432102.9968
12/06/2025	321.3270	321326.9958
13/06/2025	413.3680	413368.0115
14/06/2025	370.0920	370092.0105
15/06/2025	395.2640	395264.0076
16/06/2025	343.7180	343717.9871
17/06/2025	417.4030	417403.0151
18/06/2025	403.8510	403851.0132
19/06/2025	489.4280	489428.0090
20/06/2025	491.2830	491282.9895
21/06/2025	485.5100	485510.0098
22/06/2025	292.8200	292820.0073
23/06/2025	355.7060	355705.9937

<b>Date Measured</b>	<b>Value (m³/d)</b>	<b>Value(Liters)</b>
24/06/2025	500.1930	500192.9932
25/06/2025	387.8010	387800.9949
26/06/2025	384.2070	384207.0007
27/06/2025	397.2850	397285.0037
28/06/2025	377.8200	377820.0073
29/06/2025	390.8730	390872.9858
30/06/2025	389.1270	389127.0142
01/07/2025	458.4750	458475.0061
02/07/2025	479.1750	479174.9878
03/07/2025	472.6050	472605.0110
04/07/2025	367.0560	367055.9998
05/07/2025	254.3750	254375.0000
06/07/2025	407.8840	407884.0027
07/07/2025	337.2350	337234.9854
08/07/2025	347.1260	347126.0071
09/07/2025	418.3600	418359.9854
10/07/2025	367.1230	367122.9858
11/07/2025	471.1870	471187.0117
12/07/2025	450.4990	450498.9929
13/07/2025	453.7740	453773.9868
14/07/2025	431.2850	431285.0037
15/07/2025	409.6630	409662.9944
16/07/2025	262.3040	262303.9856
17/07/2025	365.9590	365959.0149
18/07/2025	390.6080	390608.0017
19/07/2025	326.5790	326579.0100
20/07/2025	312.6440	312644.0125
21/07/2025	322.4080	322407.9895
22/07/2025	362.3170	362316.9861
23/07/2025	336.6000	336600.0061
24/07/2025	407.3760	407376.0071
25/07/2025	330.1870	330187.0117
26/07/2025	402.5410	402540.9851
27/07/2025	408.4010	408401.0010
28/07/2025	440.6360	440635.9863
29/07/2025	470.0990	470098.9990
30/07/2025	402.2060	402205.9937
31/07/2025	445.4150	445415.0085

<b>Date Measured</b>	<b>Value (m³/d)</b>	<b>Value(Liters)</b>
01/08/2025	370.8150	370815.0024
02/08/2025	426.4530	426453.0029
03/08/2025	419.7650	419765.0146
04/08/2025	411.6760	411675.9949
05/08/2025	443.3280	443328.0029
06/08/2025	674.8940	674893.9819
07/08/2025	669.6370	669637.0239
08/08/2025	664.6080	664607.9712
09/08/2025	643.0090	643008.9722
10/08/2025	650.2850	650284.9731
11/08/2025	638.4640	638463.9893
12/08/2025	480.7930	480792.9993
13/08/2025	478.2790	478278.9917
14/08/2025	519.3860	519385.9863
15/08/2025	483.8540	483854.0039
16/08/2025	530.7330	530732.9712
17/08/2025	476.2540	476253.9978
18/08/2025	386.9480	386947.9980
19/08/2025	402.2990	402299.0112
20/08/2025	354.5110	354510.9863
21/08/2025	454.9370	454937.0117
22/08/2025	451.9510	451950.9888
23/08/2025	473.7520	473752.0142
24/08/2025	332.3820	332381.9885
25/08/2025	331.8930	331893.0054
26/08/2025	475.2290	475229.0039
27/08/2025	403.3790	403378.9978
28/08/2025	473.3360	473335.9985
29/08/2025	470.3110	470311.0046
30/08/2025	467.5970	467596.9849
31/08/2025	463.9810	463980.9875
01/09/2025	459.2930	459292.9993
02/09/2025	518.4730	518473.0225
03/09/2025	446.4390	446438.9954
04/09/2025	577.6050	577604.9805
05/09/2025	463.1300	463130.0049
06/09/2025	308.1240	308123.9929
07/09/2025	433.4920	433492.0044

<b>Date Measured</b>	<b>Value (m³/d)</b>	<b>Value(Liters)</b>
08/09/2025	447.4410	447441.0095
09/09/2025	484.7170	484717.0105
10/09/2025	568.1720	568171.9971
11/09/2025	464.8040	464803.9856
12/09/2025	422.5520	422552.0020
13/09/2025	534.4470	534447.0215
14/09/2025	379.9610	379960.9985
15/09/2025	405.1840	405183.9905
16/09/2025	414.1910	414191.0095
17/09/2025	362.7340	362734.0088
18/09/2025	360.9260	360925.9949
19/09/2025	462.2890	462289.0015
20/09/2025	460.8470	460846.9849
21/09/2025	469.9050	469904.9988
22/09/2025	437.4230	437423.0042
23/09/2025	445.9780	445977.9968
24/09/2025	418.1590	418158.9966
25/09/2025	390.0150	390015.0146
26/09/2025	434.4990	434498.9929
27/09/2025	267.2300	267230.0110
28/09/2025	304.3430	304342.9871
29/09/2025	293.3690	293368.9880
30/09/2025	369.3310	369330.9937
01/10/2025	356.6040	356604.0039
02/10/2025	335.7670	335766.9983
03/10/2025	354.2110	354210.9985
04/10/2025	290.4000	290399.9939
05/10/2025	285.0790	285079.0100
06/10/2025	267.3610	267360.9924
07/10/2025	447.5900	447589.9963
08/10/2025	380.1410	380140.9912
09/10/2025	350.7060	350705.9937
10/10/2025	360.3210	360321.0144
11/10/2025	263.5180	263518.0054
12/10/2025	262.1700	262170.0134
13/10/2025	370.2170	370217.0105
14/10/2025	370.2170	370217.0105
15/10/2025	291.9770	291976.9897

<b>Date Measured</b>	<b>Value (m³/d)</b>	<b>Value(Liters)</b>
16/10/2025	340.9980	340997.9858
17/10/2025	376.9430	376942.9932
18/10/2025	266.8420	266842.0105
19/10/2025	288.7570	288756.9885
20/10/2025	315.0340	315033.9966
21/10/2025	321.6010	321601.0132
22/10/2025	388.4440	388444.0002
23/10/2025	313.5590	313558.9905
24/10/2025	312.2630	312263.0005
25/10/2025	330.4020	330402.0081
26/10/2025	269.6860	269686.0046
27/10/2025	338.7400	338739.9902
28/10/2025	324.4600	324459.9915
29/10/2025	324.7740	324773.9868
30/10/2025	322.4180	322417.9993
31/10/2025	310.1460	310145.9961
01/11/2025	231.2870	231287.0026
02/11/2025	340.5250	340524.9939
03/11/2025	295.5350	295535.0037
04/11/2025	339.8700	339869.9951
05/11/2025	346.5980	346597.9919
06/11/2025	302.0360	302036.0107
07/11/2025	279.4450	279445.0073
08/11/2025	309.0870	309087.0056
09/11/2025	307.9480	307947.9980
10/11/2025	310.4220	310421.9971
11/11/2025	299.3940	299394.0125
12/11/2025	339.3040	339303.9856
13/11/2025	302.5340	302533.9966
14/11/2025	293.1110	293110.9924
15/11/2025	381.8310	381830.9937
16/11/2025	288.2200	288220.0012
17/11/2025	311.9140	311914.0015
18/11/2025	278.2860	278286.0107
19/11/2025	319.0950	319095.0012
20/11/2025	288.1740	288174.0112
21/11/2025	279.0100	279010.0098
22/11/2025	283.0010	283001.0071

<b>Date Measured</b>	<b>Value (m³/d)</b>	<b>Value(Liters)</b>
23/11/2025	261.2260	261226.0132
24/11/2025	312.2410	312240.9973
25/11/2025	279.5820	279582.0007
26/11/2025	327.0140	327014.0076
27/11/2025	273.4060	273406.0059
28/11/2025	321.2860	321286.0107
29/11/2025	203.1820	203182.0068
30/11/2025	319.1290	319128.9978
01/12/2025	301.9920	301992.0044
02/12/2025	310.3440	310343.9941
03/12/2025	315.2180	315217.9871
04/12/2025	307.2610	307260.9863
05/12/2025	319.9670	319967.0105
06/12/2025	308.2240	308223.9990
07/12/2025	290.5990	290598.9990
08/12/2025	285.6880	285687.9883
09/12/2025	362.7710	362770.9961
10/12/2025	292.0230	292023.0103
11/12/2025	351.5080	351507.9956
12/12/2025	344.5500	344549.9878
13/12/2025	250.8790	250878.9978
14/12/2025	353.4430	353442.9932
15/12/2025	345.8830	345882.9956
16/12/2025	250.8530	250852.9968
17/12/2025	341.9550	341954.9866
18/12/2025	326.7600	326760.0098
19/12/2025	463.8550	463855.0110
20/12/2025	419.0220	419022.0032
21/12/2025	366.1870	366187.0117
22/12/2025	460.9170	460916.9922
23/12/2025	311.0570	311057.0068
24/12/2025	324.7530	324752.9907
25/12/2025	206.2760	206276.0010
26/12/2025	342.1030	342102.9968
27/12/2025	289.2090	289209.0149
28/12/2025	201.7410	201740.9973
29/12/2025	376.9540	376954.0100
30/12/2025	304.4910	304490.9973

**Date Measured**

**Value (m<sup>3</sup>/d)**

**Value(Liters)**

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31/12/2025

281.8160

281816.0095



# The Corporation of the Township of Emo

P.O. Box 520, Emo, Ontario, P0W 1E0

Website: [www.emo.ca](http://www.emo.ca)  
E-mail: [township@emo.ca](mailto:township@emo.ca)

Phone: 807-482-2378  
Fax: 807-482-2741

Date: March 10, 2026 Resolution No.: 12

Moved By: Lisa Teeple Seconded By: Harold Boven

BE IT RESOLVED that Council hereby approves the Rainy River Future Development Corporation 2026/27 Per Capita Contribution of \$8,428 (\$7 per resident based on municipal population stated in the AMCTO Municipal Directory of 1,204 people).

Pecuniary Interest	Recorded Vote	Council Member	Yea	Nay	Declaration Under the Municipal Conflict of Interest Act Councillors who have declared an interest, abstained from discussion and did not vote on this question.
		Harold McQuaker			
		Harrold Boven			
		Lisa Teeple			
		Philip Whatley			
		Gerald Wieringa			

Harold McQuaker  
Mayor

Carried:

Defeated: