

February 2024

Mayor Cheryl Fort and Council  
The Corporation of the Township of Hornepayne  
P.O. Box 370  
Hornepayne, Ontario  
P0M 1Z0

**Re: 2023 Annual Summary Report for the Hornepayne Drinking-Water System**

Ontario's Drinking-Water Systems Regulation (O.Reg.170/03), made under the *Safe Drinking Water Act, 2002*, requires that the owner of a drinking water system prepare an annual summary for municipalities on the operation of the system and the quality of its water.

The annual summary must cover the period of January 1<sup>st</sup> to December 31<sup>st</sup> in a year and must *be prepared not later than March 31<sup>st</sup>* of the following year. Pursuant to the legislative requirements, enclosed for your records is the 2023 Annual Summary for the Hornepayne Drinking-Water System.

Pursuant to the legislative requirements, *Schedule 22 Summary Reports for Municipalities*, the annual summary must:

- (a) (list the requirements of the Act, the regulations, the system's approval, drinking water works permit, municipal drinking water licence, and any orders applicable to the system that were not met at any time during the period covered by the report; and,
- (b) for each requirement referred to in clause (a) that was not met, specify the duration of the failure and the measures that were taken to correct the failure."

- O. Reg. 170/03 s. 22 (2)

"The report must also include the following information for the purpose of enabling the owner of the system to assess the rated capability of their system to meet existing and planned uses of the system:

1. 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.
2. A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system's approval, drinking water works permit or municipal drinking water licence, or if the system is receiving all of its water from another system under an agreement pursuant to subsection 5 (4), to the flow rates specified in the written agreement."

- O. Reg. 170/03 s. 22 (3)

In addition, Section 12 (1) - 4 - gives the direction that a copy of the annual summary for the system is given, without charge, to every person who requests a copy and be made available for inspection by any member of the public during normal business hours. The report should be made available at the office of the municipality, or at a location that is accessible to the users of the water system.

This report was prepared by the Ontario Clean Water Agency on behalf of the Township of Hornepayne and is based on information kept on record by OCWA at the Hornepayne WTP. The report covers the period January 1<sup>st</sup> through to December 31<sup>st</sup> 2023.

Yours truly,

*Patrick Couture*

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Northwestern Ontario Regional Hub  
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Copy to: Aileen Singh – CAO/Clerk  
Duane Gaudreau – Public Works Manager  
Operations Staff – Hornepayne WTP

# 2023 Schedule 22 Annual Summary Report

## Hornepayne Drinking-Water System

February 2024

Prepared by the



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

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## ***Section 1: Introduction***

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This report is a summary of water quality information for the Hornepayne Drinking-Water System, published in accordance with Schedule 22 of Ontario's Drinking-Water Systems Regulation for the reporting period of January 1<sup>st</sup> to December 31<sup>st</sup> 2023. The Hornepayne Water Treatment Facility is categorized as a Large Municipal Residential Drinking Water System.

This report is prepared by The Ontario Clean Water Agency on behalf of the Corporation of the Township of Hornepayne. A copy of the Summary Report is to be provided to the members of the municipal council by March 31<sup>st</sup> 2024.

## ***Section 2: What Does This Report Contain?***

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"The report must,

- (a) list the requirements of the Act, the regulations, the system's approval, drinking water works permit, municipal drinking water licence, and any orders applicable to the system that were not met at any time during the period covered by the report; and,
- (b) for each requirement referred to in clause (a) that was not met, specify the duration of the failure and the measures that were taken to correct the failure."

- O. Reg. 170/03 s. 22 (2)

"The report must also include the following information for the purpose of enabling the owner of the system to assess the rated capability of their system to meet existing and planned uses of the system:

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-O. Reg. 170/03 s. 22 (3)

### **Section 3: Daily Flow Rates**

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In accordance with the ***Municipal Drinking Water Licence 226-101 Schedule C: System – Specific Conditions 1.0 Performance Limits***, the Hornepayne 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 **1800 m<sup>3</sup> / day**.

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

- i) fighting a large fire; or
- ii) the maintenance of the drinking-water system

In 2023, the average monthly raw flow rate was 17,317.93 m<sup>3</sup>; the average raw daily flow rate was 569.06 m<sup>3</sup>, with a maximum raw daily flow rate of 993.30 m<sup>3</sup>.

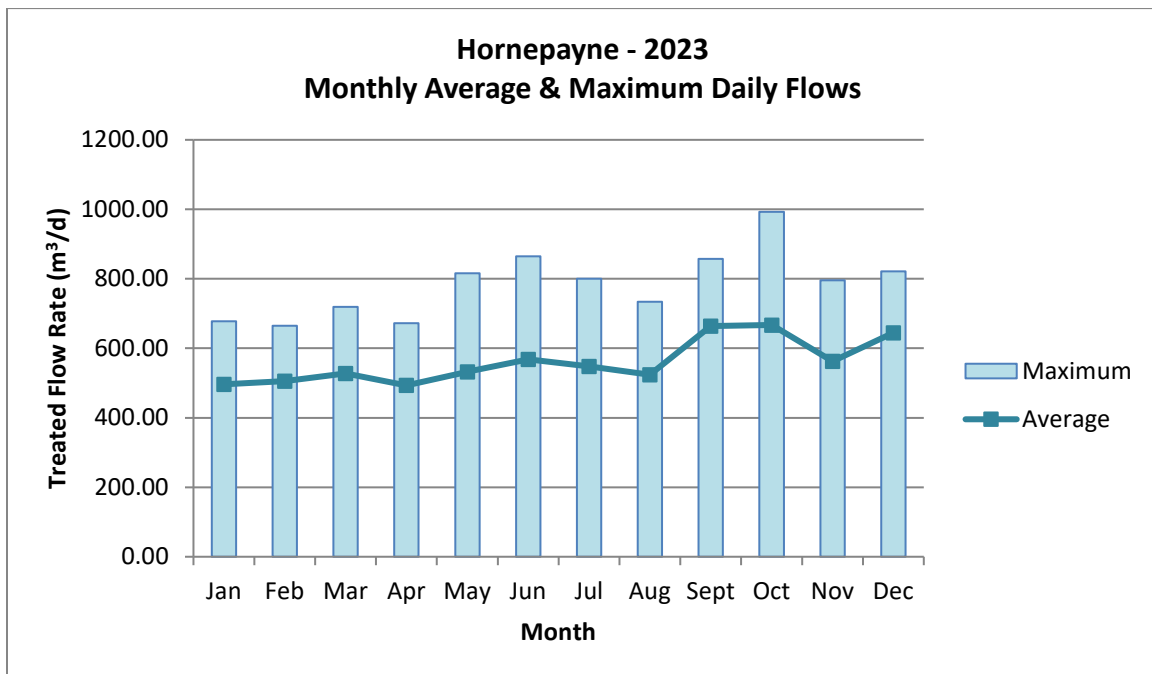
In 2023, the average monthly treated flow rate was 17,079.43 m<sup>3</sup>; the average daily treated flow was 561.18 m<sup>3</sup> and the maximum daily treated flow for the year was 993.00 m<sup>3</sup>; this represents 55.16% of the allowable daily volume.

A summary of raw and treated flows, including maximum raw flow into the treatment system as well as treated average, maximum and total flow rates are included in the tables below.

The quantity of raw water supplied during the reporting period did not exceed the terms and conditions of the *Permit to Take Water* nor did the treated flows directed to the treatment system exceed the rated capacity for this system.

### Monthly Raw & Treated Flow Rates for 2023

Month	Average Daily Raw Flow Rate (m <sup>3</sup> /d)	Maximum Daily Raw Flow Rate (m <sup>3</sup> /d)	Average Daily Treated Flow Rate (m <sup>3</sup> /d)	Maximum Daily Treated Flow Rate (m <sup>3</sup> /d)	Total Monthly Treated Flow Rate (m <sup>3</sup> /month)
January	517.22	793.70	496.73	677.50	15,398.70
February	520.06	682.40	505.89	665.00	14,164.80
March	542.15	737.90	527.32	719.00	16,346.80
April	507.41	690.60	493.16	672.70	14,794.80
May	546.15	829.30	532.64	816.20	16,511.70
June	574.74	867.80	568.01	864.70	17,040.40
July	555.08	807.70	548.04	800.30	16,989.10
August	528.97	737.10	524.24	733.60	16,251.40
September	665.98	870.30	664.34	857.30	19,930.10
October	667.96	993.30	667.16	993.00	20,682.10
November	566.25	793.00	562.38	795.80	16,871.40
December	636.73	821.30	644.25	821.00	19,971.90
2023 Total Treated Flows (m <sup>3</sup> )					<b>204,953.20</b>



## Section 4: System Failures and Correction

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The Ministry of the Environment conducted an inspection of the Hornepayne Drinking-Water System on August 17 2023. The 2023/24 Inspection Report identified no non-compliances.

The 2023/24 Inspection rating record for the Hornepayne Drinking Water System has not been received at the time of this report being issued.

Item	Non-Compliance Identified	Compliance Date	Action Being Taken to Address item	Status
N/A	N/A	N/A	N/A	N/A

## Section 5: Conclusion

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In the reporting year of 2023, there were four adverse water quality incident (AWQI) reports filed as summarized below.

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
2023-01-18	HAA Exceedance	200	ug/L	N/A	2023-01-18
2023-05-09	HAA Exceedance	156	ug/L	N/A	2023-05-09
2023-08-25	HAA Exceedance	162.2	ug/L	N/A	2023-08-25
2023-11-14	HAA Exceedance	133	ug/L	N/A	2023-11-14

For the operating year of 2023, the Hornepayne Drinking-Water System was able to meet the demand of water use within the town without exceeding the Municipal Drinking Water Licence and Permit to Take Water.