



# DRINKING WATER SYSTEM 2022 SUMMARY REPORT

Prepared by the Environmental Service  
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## **Requirements of the Safe Drinking Water Act, 2002**

The Corporation of the Town of Hawkesbury is the owner of the Hawkesbury Drinking Water System. Its system is classified as a “*Large municipal residential system*” under the O. Reg. 170/03 Drinking Water Systems Regulation of the *Safe Drinking Water Act, 2002* as it serves more than 100 private residences.

Schedule 22 of the Ontario Regulation 170/03 requires owners of small and large municipal residential systems to prepare a summary report of the preceding calendar year.

The report must include:

- (a) A list of 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.
- (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.
- (c) 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 and,
- (d) A comparison of the summary referred to in (c) to the rated capacity and flow rates approved in the system’s approval, drinking water works permit or municipal drinking water licence.

The report must be given no later than March 31 of the following year to:

- a) The members of the municipal council.
- b) To the municipalities under the terms of a contract, being supplied in drinking water.

This Summary Drinking Water Report has been prepared for the January 1, 2022, to December 31, 2022, reporting period. All efforts have been made to ensure the information presented is accurate.

## **Requirements of the Drinking Water System Regulation (O.Reg. 170/03)**

The Drinking Water Systems Regulation 170/03 under the Safe Drinking Water Act, 2002, provides more detailed regulatory requirements in conjunction with the Safe Drinking Water Act, 2002.

## **Requirements of the System's Approval**

The Hawkesbury Drinking Water System has demonstrated through the assessment of a third-party accredited body that its Drinking Water Quality Management System meets the requirements of Ontario's Drinking Water Quality Management Standard 2.0. The most recent certificate of registration was issued on November 9, 2022, for Entire Full Scope Accreditation and is valid until January 14, 2026.

The Hawkesbury Drinking Water System operates under the program for Municipal Drinking Water Licensing (MDWL). The Municipal Drinking Water Licence 177-101 and the Drinking Water Works Permit 177-201 were renewed on February 4, 2021 and are valid until February 4, 2026.

The Hawkesbury Permit to Take Water is # 6624-9KBRAJ. It was issued on May 22, 2014, in accordance with Section 34 of the Ontario Water Resources Act and is valid until May 21, 2024.

The Hawkesbury Water Treatment Plant is designated a Class 3 Water Treatment Subsystem and the Hawkesbury Water Distribution is designated a Class 3 Water Distribution Subsystem. They are both associated with the Hawkesbury Drinking Water System Number 220002832.

## Rated Capacity and Flow Rates

- a) Under Schedule C, section 1 of the Municipal Drinking Water License #177-101, the rated capacity at the Hawkesbury Drinking Water Plant is as follows:

Maximum Daily Volume of Treated water = 27,275 m<sup>3</sup>/day, as per the 1996 design.

Based on the 2022 Total Water Production Data, the maximum daily water production was on August 7, 2022, at 8,031 m<sup>3</sup>/day. This was well under the Maximum Daily Volume rate allowed.

- b) Under the Permit to Take Water no. 6624-9KBRAJ, the rate of taking for the Corporation of the Town of Hawkesbury is as follows:

Table A

|   | Source Name / Description | Source Type | Taking Specific Purpose | Taking Major Category | Max. Taken per Minute (litres) | Max. Num. of Hrs Taken per Day | Max. Taken per Day (litres) | Max. Num. of Days Taken per Year | Zone/ Easting/ Northing |
|---|---------------------------|-------------|-------------------------|-----------------------|--------------------------------|--------------------------------|-----------------------------|----------------------------------|-------------------------|
| 1 | Ottawa River              | River       | Municipal               | Water Supply          | 25,000                         | 24                             | 20,000,000                  | 365                              | 18<br>529460<br>5051575 |
|   |                           |             |                         |                       |                                | <b>Total Taking</b>            | <b>20,000,000</b>           |                                  |                         |

Based on the 2022 Raw Water Consumption Data, the highest rate of taking water (peak) was on April 16, 2022, at 17,006 m<sup>3</sup>/day for approximately 1 minute and the total water production for that day was 6,138m<sup>3</sup>.

## Availability of Report

This report is available to the public at no charge at the following places:

- 1. *Environmental Service***  
Corporation of the Town of Hawkesbury  
815 Main East  
Hawkesbury (Ontario) K6A 1B5  
(613) 678-9269
  
- 2. *Hawkesbury Public Library***  
550 Higginson Street  
Hawkesbury, Ontario  
K6A 1H1
  
- 3. *Town's website* [www.hawkesbury.ca](http://www.hawkesbury.ca)**

Additionally, this report is provided to the Township of Champlain and the Ministry of the Environment, Conservation and Parks.

If the format of this document is inadequate, the Clerk's office can be contacted at 613-632-0106 and the municipality can provide, to the best of its abilities, the required assistance.

## Appendix A – Water Flow Data 2022

| Month     | Rate of Taking Water<br>Highest Peak<br>(m <sup>3</sup> /d) | Treated Water Production<br>Maximum Per Day<br>(m <sup>3</sup> /d) | Treated Water Production<br>Average per Day<br>(m <sup>3</sup> /d) |
|-----------|---|--|--|
| January   | 16,782  | 5,416  | 5,027  |
| February  | 12,519  | 5,396  | 5,092  |
| March     | 12,004  | 5,652  | 5,247  |
| April     | 17,006  | 5,920  | 5,676  |
| May       | 14,580  | 7,281  | 6,219  |
| June      | 14,580  | 6,694  | 6,017  |
| July      | 14,019  | 6,929  | 6,375  |
| August    | 15,482  | 8,031  | 6,325  |
| September | 16,259  | 6,683  | 5,907  |
| October   | 12,914  | 6,129  | 5,699  |
| November  | 12,976  | 6,181  | 5,803  |
| December  | 13,495  | 6,249  | 6,004  |
| Maximum   | <b>17,006</b>   | <b>8,031</b>   |  |
| Average   |   |  | <b>5,782</b>   |