



2020

DRINKING WATER SUMMARY REPORT

**Prepared by the Environmental Service
January 1, 2020, to December 31, 2020, reporting period**

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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. It's 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 3,928 private residences in its own town and supplies water to 1,479 private residences in the Township of Champlain.

Schedule 22-2 of 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 year to:

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

REQUIREMENTS OF THE DRINKING WATER SYSTEMS REGULATION (ONTARIO REGULATION 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. Our most recent certificate of registration was issued on January 20, 2020, for Entire Full Scope Accreditation and is valid until January 14, 2023.

The Hawkesbury Drinking Water System operates under the program for Municipal Drinking Water Licensing (MDWL) OAP 177. Our Municipal Drinking Water Licence and Drinking Water Works Permit 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 to 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 m³/day as per the 1996 design.

Based on the 2020 Total Water Production Data, the maximum daily water production was on May 24, 2020, at 8,471 m³/day. This is 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 529460 5051575
						Total Taking:	20,000,000		

Based on the 2020 Raw Water Consumption Data, the highest rate of taking water (peak) was on July 31, 2020, at 16,350m³/day for 2 minutes and the total water production for that day was 6,550m³.

AVAILABILITY OF REPORT

This report is available at the following locations:

1. ***Environmental Service Department***
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

If the format of this document is inadequate, please contact the Clerk's office at 613-632-0106 extension 2226 and the municipality will provide, to the best of its abilities, the required assistance.

Additionally, a copy of this Summary Report will be forwarded to the Township of Champlain.

This 2020 Summary Report has been prepared on February 25, 2021, and has been endorsed by the Corporation of the Town of Hawkesbury Municipal Council on March 29, 2021.

Nancy Beks

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Corporation of the Town of Hawkesbury

APPENDIX "A" - WATER FLOW DATA

Month	Rate of Taking Water Highest Peak (m ³ /d)	Treated Water Production Maximum Per Day (m ³ /d)	Treated Water Production Average per Day (m ³ /d)
January	14,759	5,898	5,368
February	15,531	6,189	5,782
March	13,591	5,946	5,750
April	14,106	6,129	5,585
May	14,617	8,471	6,332
June	12,594	8,262	6,706
July	16,350	7,869	6,807
August	12,158	6,861	5,738
September	14,921	5,670	5,402
October	15,772	5,590	5,271
November	12,016	5,725	5,345
December	12,951	5,630	5,385
Maximum	16,350	8,471	
Average			5,789