



2019

DRINKING WATER SUMMARY REPORT

**Prepared by the Environmental Service
January 1, 2019 to December 31, 2019 reporting period**

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REQUIREMENTS OF THE SAFE DRINKING WATER ACT, 2002

The Corporation of the Town of Hawkesbury's drinking water system has been 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 a major residential development and serves more than 100 private residences.

Schedule 22-2 of Ontario Regulation 170/03 requires that owners of municipal drinking water systems shall ensure that no later than March 31 of each year, a report is prepared for the preceding calendar year and is presented to council. This report includes:

- (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.
- (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.

If a report is prepared from a system that supplies water to a municipality under the terms of a contract, the owner of the system shall provide a copy of the report to the municipality by
March 31 of each year.

The Corporation of the Town of Hawkesbury's drinking water system serves 3,917 water services in its own town. Furthermore, its system serves three Townships in the Township of Champlain, being Vankleek Hill with 799 services, L'Orignal with 617 services and Laurentian Park with 40 services for a total of 1,456 water services.

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 Corporation of the Town of Hawkesbury's drinking water system operates under the program for Municipal Drinking Water Licensing (MDWL) OAP 177. We have renewed our MDWL on 2016-02-12 and the licence expiry date is 2021-02-10. Licence renewal application will be submitted during the summer of 2020.

We have been assessed by NSF-ISR and found to be in conformity with Ontario's Drinking Water Quality Management Standard 2.0. The scope of registration for the DWQMS is Entire Full Scope Accreditation.

Our 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.

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 2019 Total Water Production Data, the maximum daily water production was on March 6, 2019 at 7,468 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 2019 Raw Water Consumption Data, the highest rate of taking water (peak) was on April 12, 2019 at 17,331m³/day for 2 minutes and the total water production for that day was 6,513m³.

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) 632-4770
- 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 2019 Summary Report has been prepared on March 5, 2020 and has been endorsed by the Corporation of the Town of Hawkesbury Municipal Council on March 30, 2020.

Nancy Beks

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Corporation of the Town of Hawkesbury

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Corporation of the Town of Hawkesbury

APPENDIX "A" - WATER FLOW DATA

Month	Rate of Taking Water Highest Peak (m³/d)	Treated Water Production Maximum Per Day (m³/d)	Treated Water Production Average per Day (m³/d)
January	16,022	6,125	5,638
February	16,903	6,843	5,984
March	13,957	7,468	6,567
April	17,331	6,513	5,533
May	15,232	6,404	5,446
June	13,454	6,577	5,707
July	14,164	6,666	5,746
August	15,577	6,481	5,459
September	15,914	5,980	5,075
October	16,063	5,492	4,921
November	15,747	5,075	4,790
December	13,479	5,158	4,846
Maximum	17,331	7,468	
Average			5,476