

# SUMMARY REPORT

ONTARIO REGULATION 170/03  
SECTION 22

## BAXTER DISTRIBUTION SYSTEM



**FOR THE PERIOD:  
JANUARY 1, 2020 – DECEMBER 31, 2020**

*Prepared for the Corporation of the Township of Essa  
by the Ontario Clean Water Agency*



**ONTARIO CLEAN WATER AGENCY  
AGENCE ONTARIENNE DES EAUX**

**SCHEDULE 22**  
**SUMMARY REPORTS FOR MUNICIPALITIES**

Municipal: Large Residential  
Small Residential

**Application**

**22-1.** This Schedule applies to the following drinking water systems:

1. Large municipal residential systems.
2. Small municipal residential systems.

**Report**

**22-2.** (1) The owner of a drinking water system shall ensure that, not later than March 31 of each year after 2003, a report is prepared in accordance with subsections (2) and (3) for the preceding calendar year and is given to,

- (a) in the case of a drinking water system owned by a municipality, the members of the municipal council;
- (b) in the case of a drinking water system owned by a municipal service board established under section 195 of the *Municipal Act, 2001*, the members of the municipal service board; or
- (c) in the case of a drinking water system owned by a corporation, the board of directors of the corporation.

(2) 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.

(3) The report must also include the following information for the purpose of enabling the owner of the system to assess the capability of the 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.

(4) If a report is prepared under subsection (1) for a system that supplies water to a municipality under the terms of a contract, the owner of the system shall give a copy of the report to the municipality by March 31.

(5) Revoked: O. Reg. 253/05, s. 18.

# Ontario Regulation 170/03: Drinking Water Systems

## Schedule 22 Summary Report

JANUARY 01, 2020 – DECEMBER 31, 2020

<b>DRINKING-WATER SYSTEM NAME:</b>	<b>BAXTER DRINKING WATER SYSTEM</b>
<b>DRINKING-WATER SYSTEM NUMBER:</b>	<b>260086866</b>
<b>DRINKING-WATER SYSTEM CATEGORY:</b>	SMALL MUNICIPAL RESIDENTIAL
<b>MUNICIPAL DRINKING WATER LICENCE#:</b>	118-202, issued December 28, 2020
<b>DRINKING-WATER WORKS PERMIT #:</b>	118-102, issued December 28, 2020
<b>PERMIT TO TAKE WATER #:</b>	Not Applicable

### REPORT

This report is a summary of water quantity information for the Baxter Drinking Water System (DWS) in the Township of Essa written in accordance with Schedule 22 of Ontario's Drinking Water Systems Regulation for the reporting period of January 1, 2020 to December 31, 2020. This report was prepared by the Ontario Clean Water Agency on behalf of the Corporation of the Township of Essa.

The Raymond A. Barker Ultrafiltration Plant in Collingwood supplies safe drinking water via the New Tecumseth Pipeline to the Baxter DWS. When Alliston has a demand (i.e. the Honda Plant is open), the Baxter DWS is allowed 100 cubic metres per day and if not all treated water is utilized, then the remainder is pumped to the Angus Mill Street Pumphouse Reservoir. If the Pipeline is shut down for maintenance and/or repairs, then potable water has to be delivered by a licensed water hauler to the storage tank at Baxter DWS.

### ISSUES OF NON-COMPLIANCE

The following outlines any instances when the DWS failed to meet the requirements of the Act, Regulations, System Approval(s) and any Order during this reporting period and the measures taken to correct each failure.

Not Applicable for Reporting Period
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Please refer to the Section 11 Annual Report for the Baxter DWS for information regarding Adverse Water Quality Incident(s) that may have occurred during the reporting period.

### SYSTEM PERFORMANCE

The following tables (Tables 1 and 2) summarize the quantities of water received from the New Tecumseth Pipeline and then distributed through the Baxter distribution system, including average and maximum day volumes, and hauled water, during the period covered by this report.

Table 1: Baxter DWS - Treated Water Summary for Reporting Period

Description	New Tecumseth Pipeline (to Baxter Pumphouse)	Treated Water (to Distribution System)
Maximum Allowable Daily Volume (m <sup>3</sup> )	100.0	-
Average Daily Flow (m <sup>3</sup> /day)	33.3	30.7
Percentage of Maximum Daily Volume	33.3%	-
Maximum Daily Flow (m <sup>3</sup> /day)	100.5	105.0
Percentage of Maximum Daily Volume	100%	-
Total Annual Volume (m <sup>3</sup> )	12196.0	11229.0

# Ontario Regulation 170/03: Drinking Water Systems

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Table 2: Baxter DWS - Potable Water Haulage for Reporting Period

Description	Potable Water Hauled
Total Volume (m <sup>3</sup> )	0

A review of flow information for the period of January 1, 2020 to December 31, 2020 indicates that the agreed-to maximum daily volume was not exceeded.

The following table (Table 3) outlines a more detailed summary for treated water flow from the New Tecumseth Pipeline to the Baxter DWS.

Table 3: Baxter DWS – Facility Summary for Treated Water Flow from the Pipeline to Baxter DWS

Month	Monthly Flow Total (m <sup>3</sup> /month)	Daily Flow Average (m <sup>3</sup> /day)	Daily Flow Maximum (m <sup>3</sup> /day)
Jan	688.00	22.19	27.00
Feb	639.00	22.03	28.00
Mar	700.00	22.58	29.00
Apr	777.00	25.90	38.00
May	1037.00	33.45	77.00
Jun	1393.00	46.43	78.00
Jul	1860.00	60.00	105.00
Aug	1032.00	33.29	51.00
Sep	843.00	28.10	36.00
Oct	821.00	26.48	38.00
Nov	696.00	23.20	26.00
Dec	743.00	23.97	31.00
<b>Total</b>	11229.00	-	-
<b>Avg.</b>	-	30.68	-
<b>Max.</b>	-	-	105.00