

The Municipality of Trent Hills



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SUMMARY REPORT

Campbellford Drinking-Water System

2023

Municipal Drinking Water License 150-102

Drinking Water Works Permit 150-202

Prepared by
Water Operations Division
February 2024

The following summary report is prepared as legislated by the **Safe Drinking Water Act, 2002** under Ontario Regulation 170, Schedule 22 - Summary Reports for Municipalities.

SAFE DRINKING WATER ACT
(O. Reg. 170/03, Schedule 22)

The following provides details of the sections and sub-sections found under **Schedule 22 - Summary Reports for Municipalities** of O. Reg. 170/03. This information has been included for your reference.

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 license, 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 enabling the owner of the system to assess the capability of the system to meet existing 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 license, or if the system is receiving all of its water from another system under an agreement pursuant to subsection 5 (4), 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.

Report Summary

In reference to the above legislation, the following details how this relates to the Campbellford Drinking Water System:

Application

22-1. The Campbellford Drinking Water System is classified as:

“Large municipal residential”

Report

22-2.

Sub-section (1)

This section refers to this report submission.

Sub-section (2)

**Campbellford Drinking Water System (January 18, 2023)
Drinking Water Inspection Report 1-126671430**

Final Inspection Rating 100%

There were no known occurrences of non-compliance with applicable act, regulations, drinking water works permit or municipal drinking water license, and no orders were issued to Trent Hills, Campbellford Drinking Water System during this reporting period.

Non-Compliance/Non-Conformance Items
Observations/Corrective Action(s)

1. At the time of the inspection the Ministry was informed that distribution chlorine analyzer data was lost on 2 occasions as a result of power outages. The distribution chlorine analyzer is equipped with a UPS with emergency battery back up. The battery back up is only capable of operating the analyzer for a few hours, resulting in data losses during extended power outages. The Ministry recommends investigating an alternate back up power supply capable of operating the distribution chlorine analyzer for a sufficient duration to prevent data loss during extended power outages.

2. The Campbellford DWS experienced elevated Total Trihalomethanes (THMs) during the inspection period that resulted in 2 exceedances of the running quarterly average limit of 100 ug/L. The Ministry recommends continuing to monitor THM concentrations in the distribution system and make all efforts where possible to reduce concentrations to ensure the Ontario Drinking Water Quality Standard is consistently met.

**Campbellford Drinking Water System (Nov 23 to Dec 4, 2023)
Drinking Water Inspection Report 1-204083845**

Final Inspection Rating 100%

There were no known occurrences of non-compliance with applicable act, regulations, drinking water works permit or municipal drinking water license, and no orders were issued to Trent Hills, Campbellford Drinking Water System during this reporting period.

Sub-section (3)

This information is included in Appendix A which provides flow data for the Campbellford water system. The data included in those tables under Treated water details average and maximum flows to assess actual flow demands compared with the approved capacities of the facility. The data included under the raw water heading displays peak flow demands

compared to the approved capacity. This data would also indicate if a facility exceeded the rated operational capacity.

Sub-section (4)

This section does not apply to the Campbellford Drinking Water System.

Any questions regarding the information contained in this report can be directed to the undersigned at 705-653-8569.

Scott White
General Manager of Infrastructure Renewal and Public Works Administration,
Municipality of Trent Hills

APPENDIX A

CAMPBELLFORD WATER TREATMENT PLANT

2023 Flow Summary Data

ANNUAL FLOW SUMMARY 2023

CAMPBELLFORD WATER TREATMENT PLANT

Service Population: 3,811

Design Capacity: 6,800 M³/Day, 78.7 l/s

Treated Water							Raw Water				
Month	Total Monthly Flow	Average Daily Flow	Minimum Daily Flow	Maximum Daily Flow	Approved Daily Plant Capacity	Maximum Daily Flow vs. Plant Capacity	Total Monthly Flow	Maximum Daily Flow	Maximum Peak Flow Rate	Approved Maximum Flow Rate PTTW	Max. Peak Flow Rate vs. Rated Flow Rate
	M ³	M ³	M ³	M ³	M ³	%	M ³	M ³	l/s	l/s	%
January	44,062	1,421	998	1,829	6,800	27	47,760	1,674	36.8	69.5	53
February	40,549	1,448	1,068	1,972	6,800	29	43,478	1,783	42.0	69.5	60
March	43,325	1,398	1,008	1,777	6,800	26	46,581	1,657	36.5	69.5	53
April	45,113	1,504	1,049	1,973	6,800	29	47,832	2,043	40.7	69.5	59
May	55,807	1,800	1,141	2,498	6,800	37	57,513	2,665	80.7	69.5	116
June	59,698	1,990	1,589	2,529	6,800	37	60,618	2,639	54.9	69.5	79
July	62,629	2,020	1,670	2,369	6,800	35	63,253	2,457	49.5	69.5	71
August	61,075	1,970	1,519	2,450	6,800	36	62,032	2,365	47.2	69.5	68
September	65,594	2,186	1,589	3,049	6,800	45	67,032	3,099	81.6	69.5	117
October	61,384	1,980	1,692	2,733	6,800	40	63,142	3,160	52.9	69.5	76
November	52,450	1,748	1,460	1,933	6,800	28	54,216	2,114	52.1	69.5	75
December	52,180	1,683	1,419	1,930	6,800	28	54,903	1,949	39.1	69.5	56
Total	643,866						668,360				
Average		1,762									
Minimum			998								
Maximum				3,049		44.8		3,160	81.6		117.4