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The Municipality of Trent Hills

SUMMARY REPORT

Hastings Drinking-Water System 2023

Municipal Drinking Water License 150-103

Drinking Water Works Permit 150-203

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, Sched. 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), 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

Report Summary

In reference to the above legislation, the following details how this relates to the Trent Hills drinking water systems:

Application

- 22-1.** The Hastings 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)

**Hastings Drinking Water System (Sept 21 to Oct 18, 2023)
Drinking Water System Inspection Report 1-204083864**

Final Inspection Rating 100%

Compliance Response(s)/Corrective Action(s)/Observation(s)

Logbooks were properly maintained and contained the required information. It was noted that the time was not consistently documented in the logbook with each operation and maintenance activity. It is recommended that operation staff documents the exact time when the quarterly maintenance activities on the chlorine and turbidity analyzers are carried out, when grab samples are collected for analyzer verification purposes, when monthly standby generators are tested, when alarm tests of the on-line monitoring equipment are being carried out.

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, Hastings Drinking Water System during this reporting period.

Sub-section (3)

This information is included in Appendix A which provides flow data for the Hasting 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 each 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 applies to the Hastings Drinking Water System. This system supplies drinking water to the Trentview Estates subdivision in the Township of Asphodel-Norwood.

Any questions regarding the information contained in this report should 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

HASTINGS WATER TREATMENT PLANT

2023 Flow Summary Data

ANNUAL FLOW SUMMARY 2023

HASTINGS WATER TREATMENT PLANT

Service Population: 1,562

Design Capacity: 1,961 M³/Day, 22.7 l/s

Treated Water							Raw Water				
Month	Total Monthly Flow M³	Average Daily Flow M³	Minimum Daily Flow M³	Maximum Daily Flow M³	Approved Daily Plant Capacity M³	Maximum Daily Flow vs. Plant Capacity %	Total Monthly Flow M³	Maximum Daily Flow M³	Maximum Peak Flow Rate l/s	Approved Maximum Flow Rate l/s	Max. Peak Flow Rate vs. Rated Flow Rate %
January	15,684	506	456	603	1,961	31	19,055	650	14.6	22.7	64
February	15,662	559	420	639	1,961	33	18,813	700	16.0	22.7	70
March	16,191	522	454	605	1,961	31	19,722	744	17.7	22.7	78
April	16,270	542	429	664	1,961	34	19,360	753	16.7	22.7	74
May	19,273	622	430	881	1,961	45	22,522	1,052	19.0	22.7	84
June	19,564	652	452	806	1,961	41	22,576	900	16.9	22.7	74
July	19,489	629	528	888	1,961	45	22,127	934	21.2	22.7	93
August	18,044	582	438	724	1,961	37	20,392	750	17.1	22.7	75
September	17,591	586	446	743	1,961	38	20,088	901	19.9	22.7	88
October	15,247	492	413	631	1,961	32	17,679	701	14.8	22.7	65
November	14,226	474	407	552	1,961	28	16,723	625	12.4	22.7	55
December	15,204	490	411	561	1,961	29	18,089	600	13.0	22.7	57
Total	202,445						237,146				
Average		555									
Minimum			407								
Maximum				888		45		1,052	21.2		93