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The Municipality of Trent Hills

SUMMARY REPORT

Warkworth Drinking-Water System 2024

Municipal Drinking Water License 150-101

Drinking Water Works Permit 150-201

Prepared by
Water Operations Division
March 2025

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 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 and daily instantaneous peak flow rates.
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.

(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 Warkworth 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)

Warkworth Drinking Water System (May 22 to June 24, 2024) Drinking Water System Inspection Report 1-377543479

Final Inspection Rating 99.04%

Compliance Response/Corrective Action(s)

Changes to the system registration information were not provided within ten (10) days of the change.

Required Action

No later than July 24th, 2024 the owner of the Warkworth DWS shall update the system registration information. Once the changes have been updated notice shall be provided electronically via email to the issuing Provincial Officer.

Sub-section (3)

This information is included in Appendix A which provides flow data for the Warkworth 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 does not apply to the Warkworth Drinking Water System.

Any questions regarding the information contained in this report should be directed to the undersigned at 705-653-7113.

Troy Stephens
Manager of Water & Wastewater Services,
Municipality of Trent Hills

APPENDIX A

WARKWORTH WATER TREATMENT PLANT

2024 Flow Summary Data

ANNUAL FLOW SUMMARY 2024

WARKWORTH WATER TREATMENT PLANT

Service Population: 690

Design Capacity: 900 M³/Day, 10.4 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	4,544	147	106	175	900	19	5,060	170	4.6	10.4	44
February	4,279	148	104	185	900	21	4,726	170	2.9	10.4	28
March	4,614	149	106	189	900	21	5,113	190	3.8	10.4	37
April	4,533	151	105	267	900	30	5,065	246	5.6	10.4	54
May	4,960	160	108	213	900	24	5,460	200	2.9	10.4	28
June	4,837	161	107	220	900	24	5,320	200	2.8	10.4	27
July	5,127	165	137	207	900	23	5,725	220	3.0	10.4	29
August	4,800	155	108	204	900	23	5,250	190	3.6	10.4	35
September	5,219	174	148	219	900	24	5,513	257	3.6	10.4	35
October	5,244	169	127	338	900	38	5,792	318	5.8	10.4	56
November	4,580	153	122	194	900	22	5,058	180	3.0	10.4	29
December	4,746	153	102	206	900	23	5,374	196	3.1	10.4	30
Total	57,483						63,456				
Average		157									
Minimum			102								
Maximum				338		38		318	5.8		56