



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

MOOREFIELD
DRINKING WATER SYSTEM

Large Municipal Residential

SCHEDULE 22
SUMMARY REPORT

For the period of
JANUARY 1, 2018 TO DECEMBER 31, 2018

Prepared by the Ontario Clean Water Agency
For The Corporation of the Township of Mapleton

Summary

This report is a summary of water quality and quantity information submitted in accordance with Schedule 22 of Ontario’s Drinking Water System Regulation for the reporting period of January 1, 2018 to December 31, 2018 for the Moorefield Drinking Water System located in the Township of Mapleton. The summary includes the following information:

- Any requirements of the Act and Regulation, Orders or System Approval(s) that the system failed to meet during the reporting period and the measures taken to correct each failure.
- A summary of the quantities and flow rates of water supplied during the reporting period, including monthly averages and maximum daily flows.
- A comparison of the average and monthly maximum daily flows to the approved capacity specified in the System Approval.

Issues of Non-Compliance

An MECP Drinking Water System Inspection was performed on May 23, 2018. On June 6, 2018 the report for this inspection was issued, the Moorefield Drinking Water System received an inspection rating of 100%.

The following is a summary of 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; as well as the duration of the failure and the measures that were taken to correct the failure:

Non-Compliance(s)	Duration	Required Actions & Corrective Actions
N/A		

Refer to the Section 11 Annual Report for a summary of any Adverse Water Quality Incident(s) which occurred during the reporting period.

Assessment of Flowrates and Quantity of Water Supplied

The following table summarize the quantities (Table 1) of the water supplied during the period covered by the report, including monthly average and maximum daily flows as well as a comparison of the summary to the rated capacity and flow rates approved in the system’s approval, drinking water works permit or municipal drinking water license.

As per Municipal Drinking Water License (MDWL) 105-102 (Issue Number: 2, expires November 22, 2020), the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed a rated capacity of 1,555 m³/day. There is no maximum allowable limit listed in the MDWL for the flowrate of water that flows into a treatment subsystem, however, raw water flowrate has been included in this report (Table 2, 3).

Table 1. Treated Water Monthly Average and Maximum Daily Flows and Comparison to Rated Capacity for 2018

2018	Treated Water Flow			
	Average Flow (m ³ /day)	Percent of Rated Capacity	Maximum Flow (m ³ /day)	Percent of Rated Capacity
January	207.23	13.33%	298.75	19.21%
February	205.88	13.24%	281.09	18.08%
March	211.64	13.61%	313.22	20.14%
April	206.64	13.29%	258.50	16.62%
May	191.46	12.31%	266.62	17.15%
June	191.10	12.29%	255.10	16.41%
July	192.58	12.38%	264.77	17.03%
August	180.62	11.62%	239.30	15.39%
September	183.42	11.80%	301.12	19.36%
October	189.25	12.17%	278.78	17.93%
November	199.43	12.83%	266.69	17.15%
December	194.60	12.51%	298.05	19.17%

Table 2. Raw Water Maximum Flowrates for 2018 (Well 1)

2018	Raw Water
	Maximum Flowrate (l/s)
January	10.29
February	10.30
March	10.30
April	10.33
May	10.29
June	10.28
July	10.34
August	10.28
September	10.30
October	10.24
November	10.28
December	10.57

Table 3. Raw Water Maximum Flowrates for 2018 (Well 2)

2018	Raw Water
	Maximum Flowrate (l/s)
January	6.49
February	6.54
March	6.51
April	6.55
May	6.69
June	6.61
July	6.56
August	6.45
September	6.50
October	6.49
November	6.43
December	6.47