

2025 SCHEDULE 22 SUMMARY REPORT

MOOREFIELD
DRINKING WATER
SYSTEM



For the period of
January 1st, 2025 to December 31st, 2025

Prepared for the Corporation of the Township of Mapleton by the Ontario Clean Water
Agency



This report was prepared in accordance with the requirements of [O.Reg 170/03, Schedule 22, Summary Reports for Municipalities](#) for the following system and reporting period:

Drinking-Water System Number:	260069732
Drinking-Water System Name:	Moorefield Drinking Water System
Drinking-Water System Owner:	The Corporation of the Township of Mapleton
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1, 2025 – December 31, 2025

1. Issue(s) of Non-Compliance

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on September 3, 2025 for the period covering July 17, 2024 to August 30, 2025. On October 6, 2025 the Inspection Report was issued and an Inspection Summary Rating Record (IRR) of 100% was received.

The following is a summary of non-compliances noted in the MECP Inspection Report, as well as the duration and the measures that were taken to correct the non-compliance. If any self-reported non-compliances were included in the inspection report, they will be noted in Table 1.

Table 1. Non-Compliances and Corrective Actions noted in the 2024/2025 MECP Inspection Report

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

The following table (Table 2) is a summary of any incidents that the Operating Authority interpreted as instances where any requirements of the Act, the regulations, the system's approval, drinking water works permit (DWWP), municipal drinking water licence (MDWL), and any orders applicable were not met. The Operating Authority reported the following incidents to the MECP and confirmation of whether the incidents are considered non-compliances are noted in the MECP Inspection Report and included in Table 1.

Table 2. Self-Reported Incidents and Corrective Actions for the Reporting Period

Incident	Duration	Corrective Actions
N/A	N/A	N/A

For information on any Adverse Water Quality Incident(s) that may have occurred during the reporting period, please refer to the Drayton Drinking Water System Annual Report (Section 11).

2. Assessment of Flowrates and Quantity of Water Supplied

The following tables (Table 3 to 10) summarize the quantities and flowrates of water supplied during the reporting period, including monthly averages and maximum daily flows as well as a comparison to the rated capacity and flowrates approved in the system's approval, DWWP or MDWL.

As required by the MDWL, regulatory flow measuring devices are checked/verified and where necessary calibrated. These checks/verifications/calibrations are performed annually by a third party to ensure the flow measuring devices are within acceptable deviation limits.

2.1 Treated Water

Municipal Drinking Water License (MDWL):	105-102 (Issue Number: 4)
Allowable Rated Capacity:	1,555 m ³ /day
Allowable Flowrate into Treatment System:	Not listed in MDWL

As per the MDWL, the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed the listed rated capacity. However, the MDWL allows a system to be operated temporarily at a maximum daily volume and/or a maximum flowrate above the values set out in the MDWL for the purposes of fighting a large fire or for the maintenance of the drinking water system.

Table 3. Treated Water Annual and Monthly Average and Maximum Flows with Comparison to Rated Capacity and Total Volume for 2025

Treated Water Flow					
Timeframe	Average Flow (m ³ /day)	Percent of Rated Capacity	Maximum Flow (m ³ /day)	Percent of Rated Capacity	Total Volume (m ³)
January	119.55	7.69%	165.89	10.67%	3706.05
February	126.49	8.13%	188.93	12.15%	3541.70
March	126.57	8.14%	190.08	12.22%	3923.78
April	133.23	8.57%	208.19	13.39%	3996.80
May	136.16	8.76%	190.34	12.24%	4220.84
June	128.45	8.26%	165.25	10.63%	3853.38
July	122.97	7.91%	194.75	12.52%	3812.22
August	120.39	7.74%	210.24	13.52%	3732.10
September	121.12	7.79%	172.67	11.10%	3633.63
October	109.60	7.05%	139.07	8.94%	3397.59
November	120.72	7.76%	166.21	10.69%	3621.59
December	126.81	8.15%	168.70	10.85%	3931.06
2025	124.34	8.00%	210.24	13.52%	45370.72

A review of flow information for the reporting period indicates that the drinking water system operated within the rated capacity specified in the MDWL, for the maximum treated volume of treated water that flows from the treatment subsystem to the distribution system.

The applicable MDWL for the reporting period did not list a maximum allowable limit for the flowrate of water that flows into a treatment subsystem.

2.2 Raw Water

Permit to Take Water Number (PTTW):	P-300-4275165551
Allowable Maximum Raw Water Volume - Well #1:	1,310 m ³ /day
Allowable Maximum Raw Water Flowrate - Well #1:	910 L/min (15.16 L/sec)
Allowable Maximum Volume of Raw Water - Well #2:	1,310 m ³ /day
Allowable Maximum Raw Water Flowrate – Well #2:	910 L/min (15.16 L/sec)
Allowable Maximum Volume of Raw Water - Well #3:	1,310 m ³ /day
Allowable Maximum Raw Water Flowrate – Well #3:	910 L/min (15.16 L/sec)
Total Allowable Combined Volume of Raw Water:	1,310 m ³ /day

As per the PTTW, water shall only be taken from the specified source(s) and at the rates and amounts taken as specified in the permit.

Table 4. Raw Water (Well #1) Monthly Average, Maximum Flow and Total Volume for 2025

Raw Water Flow – Well #1					
Timeframe	Average Flow (m ³ /day)	Percent of Allowable Volume	Maximum Flow (m ³ /day)	Percent of Allowable Volume	Total Volume (m ³)
January	59.68	4.56%	117.54	8.97%	1790.50
February	65.89	5.03%	117.31	8.96%	1713.09
March	59.83	4.57%	118.98	9.08%	1794.86
April	67.17	5.13%	122.14	9.32%	1813.48
May	62.07	4.74%	112.29	8.57%	1862.21
June	67.00	5.11%	115.30	8.80%	1876.00
July	64.81	4.95%	127.17	9.71%	1749.89
August	58.87	4.49%	123.26	9.41%	1765.96
September	65.61	5.01%	137.86	10.52%	1771.34
October	53.72	4.10%	70.11	5.35%	1557.74
November	62.24	4.75%	127.17	9.71%	1804.91
December	60.20	4.60%	122.72	9.37%	1745.66
2025	62.26	4.75%	137.86	10.52%	21245.63

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable daily raw water volume for Well #1.

Table 5. Raw Water (Well #1) Annual and Monthly Average and Maximum Flowrates for 2025

Raw Water Flowrate – Well #1		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	10.48	10.55
February	10.43	10.52
March	10.42	10.45
April	10.44	10.54
May	10.42	10.47
June	10.41	10.47
July	10.39	10.41
August	10.38	10.44
September	10.26	10.40
October	10.30	10.42
November	10.30	10.44
December	10.33	10.43
2025	10.38	10.55

A review of flow information for the reporting period indicates that the system operated within the PTTW’s maximum allowable raw water flowrate for Well #1.

Table 6. Raw Water (Well #2) Monthly Average, Maximum Flow and Total Volume for 2025

Raw Water Flow – Well #2					
Timeframe	Average Flow (m ³ /day)	Percent of Allowable Volume	Maximum Flow (m ³ /day)	Percent of Allowable Volume	Total Volume (m ³)
January	62.15	4.74%	71.94	5.49%	1926.75
February	63.33	4.83%	86.94	6.64%	1773.12
March	72.08	5.50%	139.33	10.64%	2090.45
April	70.99	5.42%	164.51	12.56%	2129.60
May	77.36	5.91%	135.26	10.33%	2320.87
June	65.96	5.04%	108.86	8.31%	1912.90
July	64.59	4.93%	103.26	7.88%	2002.34
August	62.41	4.76%	132.90	10.14%	1934.66
September	63.79	4.87%	110.37	8.43%	1786.08
October	59.79	4.56%	106.02	8.09%	1734.02
November	61.36	4.68%	89.18	6.81%	1779.45
December	70.68	5.40%	140.70	10.74%	2120.44
2025	66.21	5.05%	164.51	12.56%	23510.67

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable daily raw water volume for Well #2.

Table 7. Raw Water (Well #2) Annual and Monthly Average and Maximum Flowrates for 2025

Raw Water Flowrate – Well #2		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	6.63	6.81
February	6.66	6.79
March	6.70	6.87
April	6.75	6.87
May	6.74	6.92
June	6.68	6.88
July	6.64	6.80
August	6.57	6.78
September	6.70	6.81
October	6.70	6.85
November	6.67	7.90
December	6.69	6.89
2025	6.68	7.90

A review of flow information for the reporting period indicates that the system operated within the PTTW's the maximum allowable raw water flowrate for Well #2.

Table 8. Raw Water (Well #3) Monthly Average, Maximum Flow and Total Volume for 2025

Raw Water Flow – Well #3					
Timeframe	Average Flow (m ³ /day)	Percent of Allowable Volume	Maximum Flow (m ³ /day)	Percent of Allowable Volume	Total Volume (m ³)
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	-	-	-	-	-
June	-	-	-	-	-
July	-	-	-	-	-
August	-	-	-	-	-
September	-	-	-	-	-
October	-	-	-	-	-

Raw Water Flow – Well #3					
Timeframe	Average Flow (m³/day)	Percent of Allowable Volume	Maximum Flow (m³/day)	Percent of Allowable Volume	Total Volume (m³)
November	-	-	-	-	-
December	-	-	-	-	-
2025	-	-	-	-	-

There was no water taking for Well #3 during the reporting period, the well has been approved in the PTTW but has not been commissioned and is not currently online.

Table 9. Raw Water (Well #3) Annual and Monthly Average and Maximum Flowrates for 2025

Raw Water Flowrate – Well #3		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	-	-
February	-	-
March	-	-
April	-	-
May	-	-
June	-	-
July	-	-
August	-	-
September	-	-
October	-	-
November	-	-
December	-	-
2025	-	-

There are no water flowrates for Well #3 during the reporting period, the well is approved in the PTTW but has not been commissioned and is not currently online.

Table 10. Raw Water Monthly Average, Maximum Flow and Total Volume of any Combination of Wells (Well 1, Well 2 and Well 3) for 2025^{10A}

Raw Water Flow – Any Combination of Wells (Well 1, Well 2, Well 3)					
Timeframe	Average Flow (m³/day)	Percent of Allowable Volume^{10A}	Maximum Flow (m³/day)	Percent of Allowable Volume^{10A}	Total Volume (m³)
January	119.91	9.15%	188.80	14.41%	3717.25
February	124.51	9.50%	188.70	14.40%	3486.21
March	125.33	9.57%	208.90	15.95%	3885.31
April	131.44	10.03%	208.77	15.94%	3943.08
May	134.94	10.30%	198.11	15.12%	4183.08
June	128.73	9.83%	195.07	14.89%	3733.06
July	122.65	9.36%	199.36	15.22%	3679.61
August	119.37	9.11%	198.18	15.13%	3700.61
September	120.61	9.21%	210.94	16.10%	3497.65
October	106.19	8.11%	159.33	12.16%	3291.75
November	119.48	9.12%	186.50	14.24%	3584.37
December	124.71	9.52%	206.40	15.76%	3866.10
2025	123.12	9.40%	210.94	16.10%	44568.07

^{10A}Based on an allowable volume of 1,310 m³/day as stipulated in PTTW P-300-4275165551 for the period of June 1 to December 31, 2025

A review of flow information for the reporting period indicates that the system operated within the maximum allowable daily taking of water listed in PTTW P-300-4275165551 for any combination of wells.