



**2024
SECTION 22
SUMMARY REPORT**

**POTTAWATOMI
DRINKING WATER SYSTEM**

For the period of:
JANUARY 1, 2024 TO DECEMBER 31, 2024

Prepared for the Township of Georgian Bluffs 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:	220008319
Drinking-Water System Name:	Pottawatomi Drinking Water System
Drinking-Water System Owner:	Township of Georgian Bluffs
Drinking-Water System Category:	Small Municipal Residential
Period being reported:	January 1, 2024 – December 31, 2024

1. Issue(s) of Non-Compliance

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on May 10, 2024 for the period covering April 28, 2023 to May 10, 2024. On May 23, 2024 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 2023/2024 MECP Inspection Report

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

Table 2 summarizes incidents interpreted by the Operating Authority as instances where any requirements of the Act, the regulations, the system’s approval, the drinking water works permit (DWWP), the 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 is 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 Pottawatomi Drinking Water System Annual Report (Section 11).

2. Assessment of Flowrates and Quantity of Water Supplied

The following tables summarize the quantities and flow rates of water supplied during the reporting period, including monthly averages and maximum daily flows as well as a comparison to the rated capacity and flow rates 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):	083-101 (Issue Number: 3)
Allowable Rated Capacity:	170 m ³ /day
Allowable Flowrate into Treatment System:	N/A

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 2024

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	12.2	7.2%	15.7	9.2%	377
February	11.5	6.8%	14.4	8.5%	334
March	11.0	6.5%	13.4	7.9%	341
April	12.5	7.3%	16.9	9.9%	374
May	14.9	8.7%	24.5	14.4%	461
June	13.8	8.1%	24.1	14.2%	414
July	15.6	9.2%	22.6	13.3%	482
August	13.2	7.8%	22.2	13.1%	409
September	12.3	7.2%	21.1	12.4%	370
October	13.1	7.7%	18.3	10.8%	406
November	12.9	7.6%	22.4	13.2%	387
December	14.2	8.3%	25.7	15.1%	439
2024	13.1	7.7%	25.7	15.1%	4,794

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.

Table 4. Treated Water Annual and Monthly Average and Maximum Flowrates for 2024

Treated Water Flowrate		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	0.15	1.18
February	0.14	1.33
March	0.14	1.62
April	0.15	1.68
May	0.18	1.76
June	0.17	1.54
July	0.19	1.60
August	0.16	2.25
September	0.15	2.01
October	0.16	2.25
November	0.16	1.82
December	0.17	1.40
2024	0.16	2.25

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. A summary of flowrates of water that flows into the treatment system can be found in Table 6.

2.2 Raw Water

Permit to Take Water Number:	5731-AYDN9H
Allowable Maximum Raw Water Volume - Well #2:	93 m ³ /day
Allowable Maximum Raw Water Flowrate - Well #2:	118 L/min (1.97 L/sec)

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 5. Raw Water (Well #2) Monthly Average, Maximum Flow and Total Volume for 2024

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	12.7	13.6%	15.9	17.1%	393
February	12.0	12.9%	14.7	15.8%	348
March	11.3	12.1%	14.0	15.0%	362
April	13.1	14.0%	17.1	18.4%	392
May	15.3	16.4%	24.7	26.5%	473
June	14.3	15.4%	24.4	26.2%	430
July	16.0	17.2%	22.6	24.3%	495
August	13.7	14.7%	22.0	23.7%	423
September	12.9	13.9%	22.9	24.6%	388
October	13.6	14.6%	18.8	20.2%	421
November	13.4	14.4%	22.1	23.7%	401
December	14.5	15.6%	25.3	27.2%	450
2024	13.6	14.6%	25.3	27.2%	4,974

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 6. Raw Water (Well #2) Annual and Monthly Average and Maximum Flowrates for 2024

Raw Water Flowrate – Well #2		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	0.15	1.85
February	0.14	1.84
March	0.13	1.83
April	0.15	1.92
May	0.18	1.80
June	0.17	1.78
July	0.19	1.77
August	0.16	1.76
September	0.15	1.88
October	0.16	1.88
November	0.16	1.84
December	0.17	1.83
2024	0.16	1.92

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