

2023 SECTION 22 SUMMARY REPORT

EAST LINTON
DRINKING WATER SYSTEM

For the period of:
JANUARY 1, 2023 TO DECEMBER 31, 2023

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:	220007659
Drinking-Water System Name:	East Linton Drinking Water System
Drinking-Water System Owner:	The Township of Georgian Bluffs
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1, 2023 – December 31, 2023

1. Issue(s) of Non-Compliance

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on June 16, 2023 for the period covering May 20, 2022 to June 16, 2023. On July 21, 2023 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 2022/2023 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 East Linton 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):	083-105 (Issue Number: 4)
Allowable Rated Capacity:	2,600 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 2023

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	776	29.8%	838	32.2%	24,047
February	797	30.7%	880	33.8%	22,310
March	761	29.3%	919	35.3%	23,586
April	806	31.0%	958	36.8%	24,188
May	947	36.4%	1,154	44.4%	29,371
June	865	33.3%	1,552	59.7%	31,520
July	1,019	39.2%	1,277	49.1%	31,579
August	1,048	40.3%	1,262	48.5%	32,487
September	960	36.9%	1,182	45.5%	28,793
October	753	29.0%	902	34.7%	23,344
November	743	28.6%	802	30.9%	22,302
December	747	28.7%	1,032	39.7%	23,152
2023	852	32.8%	1,552	59.7%	316,679

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 2023

Treated Water Flowrate		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	9.02	44.21
February	9.27	41.50
March	8.90	28.53
April	9.38	30.66
May	11.02	28.25
June	12.23	38.60
July	11.86	29.93
August	12.19	29.35
September	11.17	28.62
October	8.77	28.17
November	8.66	30.88
December	8.62	28.74
2023	10.09	44.21

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:	6203-AKNKQW
Allowable Maximum Raw Water Volume – Georgian Bay:	2,600 m ³ /day
Allowable Maximum Raw Water Flowrate – Georgian Bay:	1,800 L/min (30 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 Monthly Average, Maximum Flow and Total Volume for 2023

Raw Water Flow – Georgian Bay					
Timeframe	Average Flow (m ³ /day)	Percent of Allowable Volume	Maximum Flow (m ³ /day)	Percent of Allowable Volume	Total Volume (m ³)
January	756	29.1%	820	31.5%	23,431
February	772	29.7%	828	31.8%	21,617
March	738	28.4%	909	35.0%	22,887
April	783	30.1%	918	35.3%	23,495
May	919	35.3%	1,177	45.3%	28,503
June	1023	39.3%	1,639	63.0%	30,682
July	988	38.0%	1,244	47.8%	30,628
August	1,014	39.0%	1,224	47.1%	31,443
September	931	35.8%	1,147	44.1%	27,942
October	730	28.1%	875	33.7%	22,631
November	720	27.7%	774	29.8%	21,585
December	740	28.5%	839	32.3%	22,948
2023	843	32.4%	1,639	63.0%	307,789

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

Table 6. Raw Water Annual and Monthly Average and Maximum Flowrates for 2023

Raw Water Flowrate		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	8.78	27.76
February	8.98	27.25
March	8.64	27.27
April	9.11	27.77
May	10.71	27.66
June	11.91	27.57
July	11.62	27.68
August	11.80	27.59
September	10.84	27.78
October	8.50	27.57
November	8.39	27.30
December	8.60	27.30
2023	9.82	27.78

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



2023 SECTION 22 SUMMARY REPORT

SHALLOW LAKE
DRINKING WATER SYSTEM

For the period of:
JANUARY 1, 2023 TO DECEMBER 31, 2023

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:	220009096
Drinking-Water System Name:	Shallow Lake Drinking Water System
Drinking-Water System Owner:	Township of Georgian Bluffs
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1, 2023 – December 31, 2023

1. Issue(s) of Non-Compliance

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on August 24, 2023 for the period covering August 12, 2022 to August 24, 2023. On September 21, 2023 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 2022/2023 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 Shallow Lake 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.

2.1 Treated Water

Municipal Drinking Water License (MDWL):	083-102 (Issue Number: 4)
Allowable Rated Capacity:	696 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 2023

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	84.6	12.2%	107	15.4%	2,623
February	84.5	12.1%	112	16.1%	2,366
March	83.2	12.0%	111	15.9%	2,580
April	84.1	12.1%	131	18.8%	2,522
May	87.9	12.6%	150	21.6%	2,725
June	105.2	15.1%	127	18.2%	3,155
July	94.1	13.5%	126	18.1%	2,916
August	89.0	12.8%	123	17.7%	1,514
September	79.6	11.4%	112	16.1%	2,388
October	131.6	18.9%	458 ^{3a}	65.8%	4,078
November	106.6	15.3%	340 ^{3b}	48.9%	3,199
December	84.2	12.1%	104	14.9%	2,610
2023	89.5	12.9%	458^{3a}	65.8%	32,676

^{3a}Maximum flows during month of October 2023 due to operational issues.

^{3b}Maximum flows on November 1-2, 2023 due to distribution system flushing.

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 2023

Treated Water Flowrate		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	1.03	7.74
February	1.03	4.61
March	1.02	5.76
April	1.03	60.35 ^{4a}
May	1.07	16.76
June	1.27	17.42
July	1.14	24.48
August	2.75	17.67
September	0.95	10.33
October	1.60	64.99 ^{4b}
November	1.29	62.50 ^{4c}
December	1.02	5.86
2023	1.27	64.99^{4b}

^aMaximum daily flow rate on April 13, 2023 due to fire department taking water.

^bMaximum daily flow rate in October 2023 due to maintenance.

^cMaximum daily flow rate on November 1-2, 2023 due to distribution system flushing.

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 and Table 8.

2.2 Raw Water

Permit to Take Water Number:	5165-9KBQ6V
Allowable Maximum Raw Water Volume - Well #1:	696 m ³ /day
Allowable Maximum Raw Water Flowrate - Well #1:	483 L/min (8.05 L/sec)
Allowable Maximum Volume of Raw Water - Well #2:	696 m ³ /day
Allowable Maximum Raw Water Flowrate – Well #2:	483 L/min (8.05 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 #1) Monthly Average, Maximum Flow and Total Volume for 2023

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	0.7	0.1%	9.0	1.3%	23
February	0.6	0.1%	6.0	0.9%	17
March	0.7	0.1%	7.0	1.0%	22
April	0.5	0.1%	6.0	0.9%	16
May	0.9	0.1%	7.0	1.0%	27
June	0.8	0.1%	11.0	1.6%	24
July	1.0	0.1%	14.0	2.0%	31
August	0.5	0.1%	6.0	0.9%	17
September	0.5	0.1%	7.0	1.0%	14
October	0.7	0.1%	6.0	0.9%	23
November	0.8	0.1%	8.0	1.1%	25
December	0.9	0.1%	10.0	1.4%	29
2023	0.7	0.1%	14.0	2.0%	268

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 6. Raw Water (Well #1) Annual and Monthly Average and Maximum Flowrates for 2023

Raw Water Flowrate – Well #1		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	0.01	6.02
February	0.01	6.18
March	0.01	6.20
April	0.01	6.15
May	0.01	6.73
June	0.01	6.79
July	0.01	6.67
August	0.01	6.70
September	0.01	6.68
October	0.01	6.93
November	0.01	6.75
December	0.01	6.72
2023	0.01	6.93

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 7. Raw Water (Well #2) Monthly Average, Maximum Flow and Total Volume for 2023

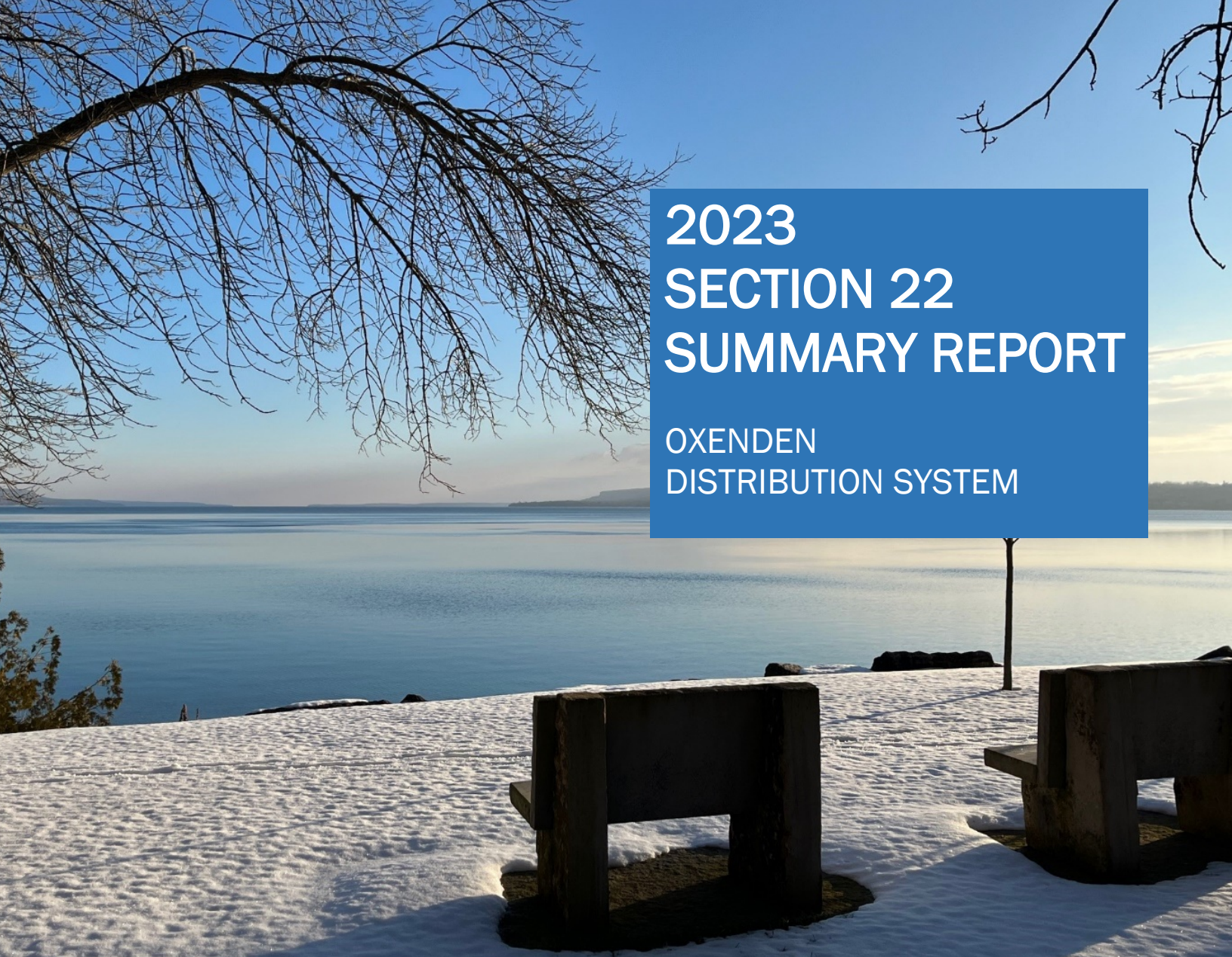
Raw Water Flow – Well #2					
Timeframe	Average Flow (m³/day)	Percent of Allowable Volume	Maximum Flow (m³/day)	Percent of Allowable Volume	Total Volume (m³)
January	141	20.3%	228	32.8%	4,371
February	142	20.4%	219	31.5%	3,976
March	137	19.7%	235	33.8%	4,238
April	139	20.0%	229	32.9%	4,162
May	147	21.1%	227	32.6%	4,550
June	183	26.3%	255	36.6%	5,482
July	174	25.0%	309	44.4%	5,387
August	162	23.3%	296	42.5%	5,007
September	163	23.4%	254	36.5%	4,885
October	175	25.1%	274	39.4%	5,421
November	189	27.2%	489	70.3%	5,676
December	161	23.1%	259	37.2%	4,982
2023	159	22.8%	489	70.3%	58,137

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 8. Raw Water (Well #2) Annual and Monthly Average and Maximum Flowrates for 2023

Raw Water Flowrate – Well #2		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	1.66	6.60
February	1.67	6.27
March	1.62	6.27
April	1.63	7.08
May	1.72	7.05
June	2.15	7.12
July	2.04	6.50
August	1.89	6.18
September	1.91	6.45
October	2.05	6.79
November	2.23	6.71
December	1.89	6.45
2023	1.87	7.12

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.



2023 SECTION 22 SUMMARY REPORT

OXENDEN
DISTRIBUTION SYSTEM

For the period of:
JANUARY 1, 2023 TO DECEMBER 31, 2023

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:	260004215
Drinking-Water System Name:	Oxenden Distribution System
Drinking-Water System Owner:	Township of Georgian Bluffs
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1, 2023 – December 31, 2023

1. Issue(s) of Non-Compliance

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on August 24, 2023 for the period covering August 12, 2022 to August 24, 2023. On September 21, 2023 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 2022/2023 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 Oxenden 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.

2.1 Distribution Water

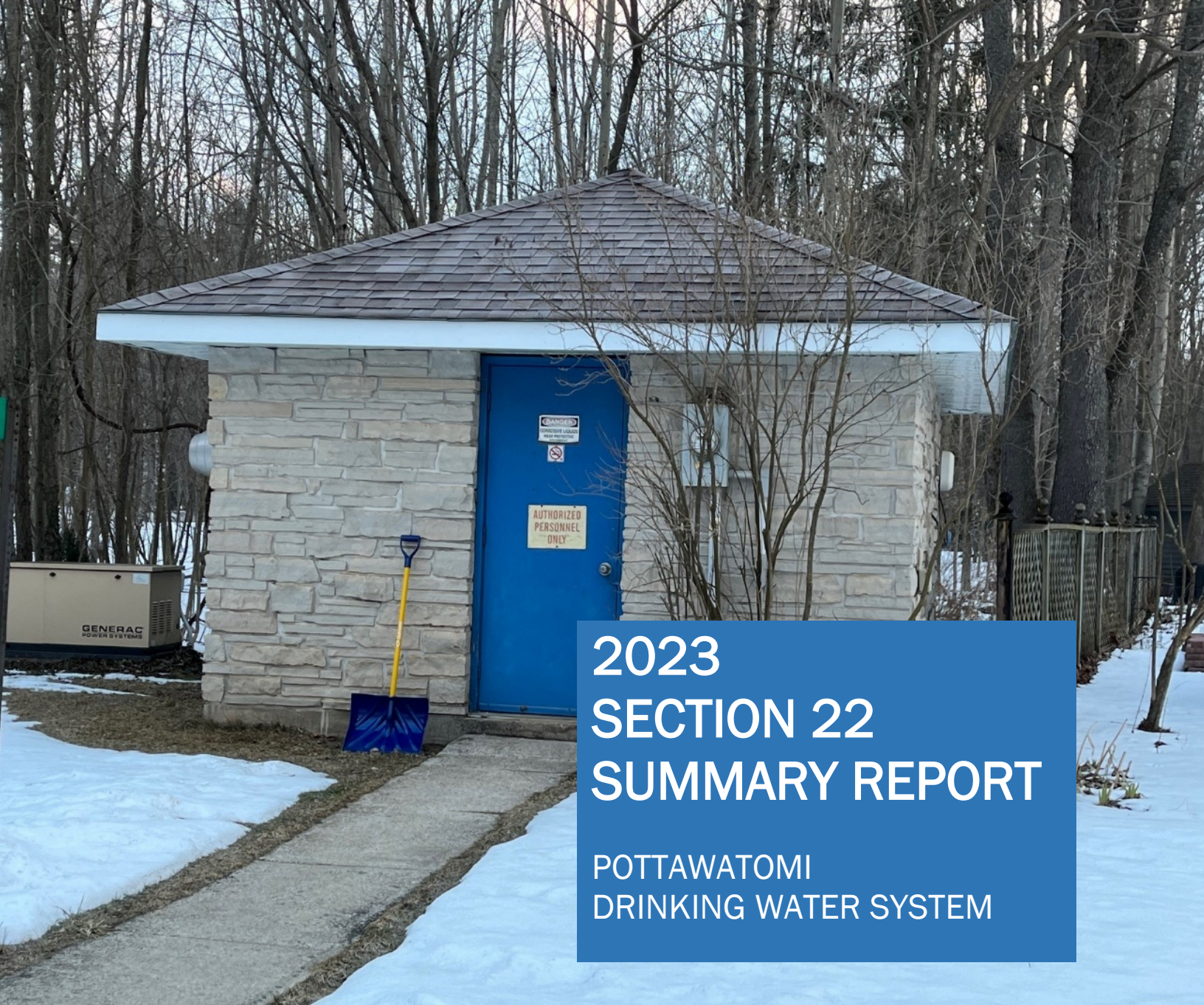
Municipal Drinking Water License (MDWL):	083-103 (Issue Number: 3)
Allowable Rated Capacity:	N/A
Allowable Flowrate into Treatment System:	N/A

As per the MDWL, there is no maximum rated capacity (daily volume) of water that flows to the distribution system. The applicable MDWL for the reporting period did not list a maximum allowable limit for the flowrate of water.

Table 3. Distribution Water Annual and Monthly Average and Maximum Daily Flows and Total Volume for 2023

Distribution 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	67.1	N/A	76.0	N/A	2,081
February	76.3	N/A	121.8	N/A	2,136
March	76.3	N/A	152.5	N/A	2,365
April	77.6	N/A	97.6	N/A	2,329
May	83.7	N/A	111.0	N/A	2,594
June	107.1	N/A	162.5	N/A	3,214
July	123.4	N/A	166.0	N/A	3,806
August	106.5	N/A	125.9	N/A	3,301
September	92.2	N/A	128.8	N/A	2,766
October	91.8	N/A	118.1	N/A	2,846
November	96.7	N/A	110.4	N/A	2,900
December	143.5 ^{3a}	N/A	596.0 ^{3a}	N/A	4,447
2023	95.3	N/A	596.0^{3a}	N/A	34,786

^{3a}High average and maximum daily flows in December 2023 were a result of distribution system flushing.



**2023
SECTION 22
SUMMARY REPORT**

**POTTAWATOMI
DRINKING WATER SYSTEM**

For the period of:
JANUARY 1, 2023 TO DECEMBER 31, 2023

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, 2023 – December 31, 2023

1. Issue(s) of Non-Compliance

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on April 28, 2023 for the period covering April 14, 2022 to April 28, 2023. On June 20, 2023 the Inspection Report was issued and an Inspection Summary Rating Record (IRR) of 99.34% 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 2022/2023 MECP Inspection Report

Non-Compliance(s)	Duration	Required Actions & Corrective Actions
<ul style="list-style-type: none"> Non-compliance with O.Reg 170/03, Section 11-3(1)(3) Raw water microbiological water quality monitoring requirements were not met. A monthly raw water sample was not taken in February, 2023 	N/A	No further actions were required by the MECP. The issue had already been addressed, as described in Table 2 below.

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
<ul style="list-style-type: none"> • Non-compliance with O.Reg 170/03, Section 11-3(1)(3) • Raw water microbiological water quality monitoring requirements were not met. 	N/A	<ul style="list-style-type: none"> • The operating authority notified MECP on April 26, 2023 that a raw water sample was missed in February 2023. • OCWA has met all monthly raw water regulatory sampling requirements as required since the missed sample. • OCWA has reviewed the sampling calendars and requirements to ensure the oversight does not occur again moving forward. • OCWA provided training to staff on March 16, 2023, which addressed the use of sampling schedules and sampling calendars, sample timing windows and the importance of communication and document control.

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 2023

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	13.9	8.2%	24.0	14.1%	432
February	12.5	7.4%	15.1	8.9%	350
March	13.1	7.7%	15.6	9.2%	406
April	15.8	9.3%	23.1	13.6%	473
May	18.4	10.8%	32.9	19.4%	571
June	15.8	9.3%	21.7	12.8%	474
July	15.4	9.1%	21.9	12.9%	476
August	14.9	8.8%	30.4	17.9%	463
September	13.3	7.8%	27.7	16.3%	399
October	13.0	7.6%	24.0	14.1%	403
November	12.5	7.4%	18.6	10.9%	375
December	13.9	8.2%	21.5	12.6%	434
2023	14.4	8.5%	32.9	19.4%	5,254

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 2023

Treated Water Flowrate		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	0.17	2.25
February	0.15	2.25
March	0.16	1.20
April	0.19	1.65
May	0.22	1.78
June	0.19	2.01
July	0.19	2.25
August	0.18	1.92
September	0.16	1.69
October	0.16	2.25
November	0.15	1.44
December	0.17	1.56
2023	0.18	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 2023

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	14.6	15.7%	23.8	25.6%	454
February	13.2	14.2%	15.4	16.6%	369
March	13.5	14.5%	15.6	16.8%	418
April	15.8	17.0%	22.9	24.6%	474
May	18.6	20.0%	32.6	35.1%	577
June	16.3	17.5%	22.2	23.9%	488
July	15.8	17.0%	21.8	23.4%	491
August	15.4	16.6%	30.3	32.6%	478
September	13.8	14.8%	27.1	29.1%	414
October	13.5	14.5%	24.4	26.2%	418
November	13.0	14.0%	18.2	19.6%	389
December	14.5	15.6%	21.5	23.1%	449
2023	14.8	15.9%	32.6	35.1%	5,419

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 2023

Raw Water Flowrate – Well #2		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	0.17	1.90
February	0.15	1.76
March	0.16	1.70
April	0.18	1.77
May	0.22	1.77
June	0.19	1.68
July	0.18	1.94
August	0.18	1.88
September	0.16	1.89
October	0.16	1.83
November	0.15	1.80
December	0.17	1.82
2023	0.17	1.90

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.