



**ONTARIO CLEAN WATER AGENCY**  
**AGENCE ONTARIENNE DES EAUX**

**EAST LINTON**  
**DRINKING WATER SYSTEM**

Large Municipal Residential

**SCHEDULE 22**  
**SUMMARY REPORT**

**For the period of**  
**JANUARY 1, 2022 TO DECEMBER 31, 2022**

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

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:

<b>Drinking-Water System Number:</b>	220007659
<b>Drinking-Water System Name:</b>	East Linton Drinking Water System
<b>Drinking-Water System Owner:</b>	The Township of Georgian Bluffs
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1, 2022 – December 31, 2022

## 1. Issue(s) of Non-Compliance

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on May 19, 2022 for the period covering July 28, 2021 to May 19, 2022. On June 29, 2022 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 2021/2022 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

<b>Municipal Drinking Water License (MDWL):</b>	083-105 (Issue Number: 4)
<b>Allowable Rated Capacity:</b>	2,600 m <sup>3</sup> /day
<b>Allowable Flowrate into Treatment System:</b>	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 2022**

Timeframe	Treated Water Flow				
	Average Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Maximum Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Total Volume (m <sup>3</sup> )
January	631	24.3%	1,031	39.7%	19,566
February	629	24.2%	720	27.7%	17,626
March	660	25.4%	708	27.2%	20,448
April	708	27.2%	898	34.5%	21,231
May	827	31.8%	1,151	44.3%	25,629
June	890	34.2%	1,162	44.7%	26,704
July	912	35.1%	1,182	45.5%	28,262
August	769	29.6%	1,003	38.6%	23,836
September	750	28.8%	980	37.7%	22,487
October	743	28.6%	914	35.2%	23,036
November	734	28.2%	803	30.9%	22,014
December	774	29.8%	877	33.7%	23,981
<b>2022</b>	<b>752</b>	<b>28.9%</b>	<b>1,182</b>	<b>45.5%</b>	<b>274,820</b>

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 2022**

Timeframe	Treated Water Flowrate	
	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	7.34	35.37
February	7.33	43.71
March	7.68	43.17
April	8.23	29.56
May	9.62	45.68
June	10.40	32.43
July	10.60	41.89
August	8.95	30.49
September	8.72	29.12
October	8.65	41.89
November	8.52	42.93
December	9.00	35.82
<b>2022</b>	<b>8.76</b>	<b>45.68</b>

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

<b>Permit to Take Water Number:</b>	6203-AKNKQW
<b>Allowable Maximum Raw Water Volume – Georgian Bay:</b>	2,600 m <sup>3</sup> /day
<b>Allowable Maximum Raw Water Flowrate – Georgian Bay:</b>	1,800 L/min

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 2022**

Timeframe	Raw Water Flow – Georgian Bay				
	Average Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Maximum Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Total Volume (m <sup>3</sup> )
January	612	23.5%	1,019	39.2%	18,982
February	612	23.5%	762	29.3%	17,134
March	640	24.6%	687	26.4%	19,855
April	688	26.5%	871	33.5%	20,626
May	804	30.9%	1,117	42.3%	24,930
June	881	33.9%	1,168	44.9%	26,428
July	887	34.1%	1,149	44.2%	27,482
August	747	28.7%	976	37.5%	23,145
September	728	28.0%	954	36.7%	21,853
October	723	27.8%	887	34.1%	22,412
November	714	27.5%	799	30.7%	21,428
December	759	29.2%	850	32.7%	23,524
<b>2022</b>	<b>734</b>	<b>28.2%</b>	<b>1,168</b>	<b>44.9%</b>	<b>267,799</b>

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 2022**

Timeframe	Raw Water Flowrate	
	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	7.13	27.35
February	7.12	27.56
March	7.45	27.00
April	8.01	27.38
May	9.36	27.66
June	10.30	27.57
July	10.33	27.40
August	8.70	27.57
September	8.48	28.00
October	8.41	27.42
November	8.30	27.51
December	8.83	27.70
<b>2022</b>	<b>8.54</b>	<b>28.00</b>

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



**ONTARIO CLEAN WATER AGENCY**  
**AGENCE ONTARIENNE DES EAUX**

**OXENDEN**  
**DISTRIBUTION SYSTEM**

Large Municipal Residential

**SCHEDULE 22**  
**SUMMARY REPORT**

**For the period of**  
**JANUARY 1, 2022 TO DECEMBER 31, 2022**

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

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:

<b>Drinking-Water System Number:</b>	260004215
<b>Drinking-Water System Name:</b>	Oxenden Distribution System
<b>Drinking-Water System Owner:</b>	Township of Georgian Bluffs
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1, 2022 – December 31, 2022

## 1. Issue(s) of Non-Compliance

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on August 11, 2022 for the period covering September 21, 2021 to August 11, 2022. On September 22, 2022 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 2021/2022 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

<b>Municipal Drinking Water License (MDWL):</b>	083-103 (Issue Number: 3)
<b>Allowable Rated Capacity:</b>	N/A
<b>Allowable Flowrate into Treatment System:</b>	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 2022**

Timeframe	Distribution Water Flow				
	Average Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Maximum Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Total Volume (m <sup>3</sup> )
January	117.2	N/A	279.9	N/A	3,633
February	72.0	N/A	92.1	N/A	2,015
March	72.4	N/A	141.5	N/A	2,101
April	74.5	N/A	93.1	N/A	2,236
May	81.6	N/A	176.4	N/A	2,530
June	87.1	N/A	123.1	N/A	2,612
July	111.7	N/A	146.3	N/A	3,463
August	104.3	N/A	130.8	N/A	3,234
September	84.4	N/A	124.4	N/A	2,533
October	77.0	N/A	103.0	N/A	2,387
November	71.8	N/A	87.8	N/A	2,155
December	67.8	N/A	81.0	N/A	2,103
<b>2022</b>	<b>85.2</b>	<b>N/A</b>	<b>279.9</b>	<b>N/A</b>	<b>31,003</b>



**ONTARIO CLEAN WATER AGENCY**  
**AGENCE ONTARIENNE DES EAUX**

**POTTAWATOMI**  
**DRINKING WATER SYSTEM**

Small Municipal Residential

**SCHEDULE 22**  
**SUMMARY REPORT**

**For the period of**  
**JANUARY 1, 2022 TO DECEMBER 31, 2022**

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

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:

<b>Drinking-Water System Number:</b>	220008319
<b>Drinking-Water System Name:</b>	Pottawatomi Drinking Water System
<b>Drinking-Water System Owner:</b>	Township of Georgian Bluffs
<b>Drinking-Water System Category:</b>	Small Municipal Residential
<b>Period being reported:</b>	January 1, 2022 – December 31, 2022

## 1. Issue(s) of Non-Compliance

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on April 13, 2022 for the period covering May 18, 2021 to April 13, 2022. On May 16, 2022 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 2021/2022 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 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

<b>Municipal Drinking Water License (MDWL):</b>	083-101 (Issue Number: 3)
<b>Allowable Rated Capacity:</b>	170 m <sup>3</sup> /day
<b>Allowable Flowrate into Treatment System:</b>	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 2022**

Timeframe	Treated Water Flow				
	Average Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Maximum Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Total Volume (m <sup>3</sup> )
January	14.0	8.2%	20.2	11.9%	432
February	12.3	7.2%	14.9	8.8%	344
March	9.4	5.5%	15.1	8.9%	376
April	10.4	6.1%	17.0	10.0%	397
May	10.8	6.4%	28.6	16.8%	470
June	15.8	9.3%	23.3	13.7%	473
July	13.8	8.1%	37.2	21.9%	694
August	11.5	6.8%	34.1	20.1%	576
September	16.8	9.9%	24.8	14.6%	491
October	14.3	8.4%	23.3	13.7%	426
November	13.9	8.2%	25.1	14.8%	390
December	11.2	6.6%	28.2	16.6%	480
<b>2022</b>	<b>15.2</b>	<b>8.9%</b>	<b>37.2</b>	<b>21.9%</b>	<b>5,551</b>

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 2022**

Timeframe	Treated Water Flowrate	
	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	0.17	2.25
February	0.15	1.16
March	0.15	2.25
April	0.16	2.25
May	0.18	2.25
June	0.19	1.78
July	0.26	1.80
August	0.22	2.13
September	0.20	1.30
October	0.17	2.13
November	0.16	2.25
December	0.19	2.25
<b>2022</b>	<b>0.18</b>	<b>2.25</b>

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

<b>Permit to Take Water Number:</b>	5731-AYDN9H
<b>Allowable Maximum Raw Water Volume - Well #2:</b>	93 m <sup>3</sup> /day
<b>Allowable Maximum Raw Water Flowrate - Well #2:</b>	118 L/min

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 2022**

Timeframe	Raw Water Flow – Well #2				
	Average Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Maximum Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Total Volume (m <sup>3</sup> )
January	14.4	15.5%	20.1	21.6%	447
February	12.9	13.8%	15.2	16.4%	360
March	12.8	13.8%	15.7	16.8%	396
April	13.8	14.8%	17.2	18.5%	413
May	15.5	16.7%	28.7	30.8%	481
June	16.2	17.5%	23.4	25.1%	487
July	22.6	24.2%	36.8	39.5%	676
August	18.9	20.3%	33.6	36.2%	585
September	16.8	18.1%	24.9	26.8%	504
October	14.3	15.4%	23.1	24.9%	444
November	13.9	15.0%	25.2	27.1%	418
December	16.0	17.2%	28.8	30.9%	495
<b>2022</b>	<b>15.7</b>	<b>16.9%</b>	<b>36.8</b>	<b>39.5%</b>	<b>5,708</b>

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 2022**

<b>Raw Water Flowrate – Well #2</b>		
<b>Timeframe</b>	<b>Average Flowrate (L/sec)</b>	<b>Maximum Flowrate (L/sec)</b>
January	0.17	1.97
February	0.15	1.83
March	0.15	2.31 <sup>6a</sup>
April	0.16	2.05 <sup>6a</sup>
May	0.18	1.86
June	0.19	1.86
July	0.26	2.00 <sup>6a</sup>
August	0.22	1.84
September	0.19	1.79
October	0.17	2.00 <sup>6a</sup>
November	0.16	2.20 <sup>6a</sup>
December	0.19	2.05 <sup>6a</sup>
<b>2022</b>	<b>0.18</b>	<b>2.31</b>

A review of flow information for the reporting period indicates there were instances where the system operated outside of the PTTW’s maximum allowable raw water flowrate for very short durations of time due to:

- <sup>6a</sup> Flushing and maintenance
  - March 19 (less than 8 minutes)
  - April 9 (less than one minute)
  - July 19 (less than one minute)
  - October 13 (less than one minute)
  - November 9 (less than 7 minutes)
  - December 17 (less than one minute)



**ONTARIO CLEAN WATER AGENCY**  
**AGENCE ONTARIENNE DES EAUX**

**SHALLOW LAKE**  
**DRINKING WATER SYSTEM**

Large Municipal Residential

**SCHEDULE 22**  
**SUMMARY REPORT**

**For the period of**  
**JANUARY 1, 2022 TO DECEMBER 31, 2022**

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



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:

<b>Drinking-Water System Number:</b>	220009096
<b>Drinking-Water System Name:</b>	Shallow Lake Drinking Water System
<b>Drinking-Water System Owner:</b>	Township of Georgian Bluffs
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1, 2022 – December 31, 2022

## 1. Issue(s) of Non-Compliance

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on August 11, 2022 for the period covering November 10, 2021 to August 11, 2022. On September 22, 2022 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 2021/2022 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

<b>Municipal Drinking Water License (MDWL):</b>	083-102 (Issue Number: 4)
<b>Allowable Rated Capacity:</b>	696 m <sup>3</sup> /day
<b>Allowable Flowrate into Treatment System:</b>	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 2022**

Timeframe	Treated Water Flow				
	Average Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Maximum Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Total Volume (m <sup>3</sup> )
January	90.9	13.1%	270.0	38.8%	2,817
February	96.7	13.9%	120.0	17.2%	2,707
March	108.8	15.6%	140.0	20.1%	3,374
April	115.2	16.6%	135.0	19.4%	3,456
May	121.5	17.5%	157.0	22.6%	3,767
June	112.7	16.2%	164.0	23.6%	3,381
July	84.8	12.2%	109.0	15.7%	2,630
August	89.7	12.9%	117.0	16.8%	2,781
September	108.7	15.6%	161.0	23.1%	3,260
October	103.0	14.8%	126.0	18.1%	3,194
November	120.0	17.2%	141.0	20.3%	3,601
December	110.1	15.8%	152.0	21.8%	3,414
<b>2022</b>	<b>105.2</b>	<b>15.1%</b>	<b>270.0</b>	<b>38.8%</b>	<b>38,382</b>

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 2022**

Timeframe	Treated Water Flowrate	
	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	1.10	57.05*
February	1.17	8.78
March	1.32	16.88
April	1.39	5.56
May	1.46	7.73
June	1.36	4.39
July	1.03	5.72
August	1.09	8.22
September	1.31	16.20
October	1.25	6.87
November	1.45	25.47
December	1.33	11.37
<b>2022</b>	<b>1.27</b>	<b>57.05*</b>

\*Fire Department taking water, CT was achieved, no adverse conditions existed.

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

<b>Permit to Take Water Number:</b>	5165-9KBQ6V
<b>Allowable Maximum Raw Water Volume - Well #1:</b>	696 m <sup>3</sup> /day
<b>Allowable Maximum Raw Water Flowrate - Well #1:</b>	483 L/min
<b>Allowable Maximum Volume of Raw Water - Well #2:</b>	696 m <sup>3</sup> /day
<b>Allowable Maximum Raw Water Flowrate – Well #2:</b>	483 L/min

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 2022**

Timeframe	Raw Water Flow – Well #1				
	Average Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Maximum Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Total Volume (m <sup>3</sup> )
January	0.52	0.1%	5.00	0.7%	16
February	0.82	0.1%	7.00	1.0%	23
March	0.58	0.1%	5.00	0.7%	18
April	1.47	0.2%	17.00	2.4%	44
May	0.45	0.1%	8.00	1.1%	14
June	0.70	0.1%	12.00	1.7%	21
July	0.94	0.1%	15.00	2.2%	29
August	0.55	0.1%	7.00	1.0%	17
September	0.20	0.03%	3.00	0.4%	6
October	0.74	0.1%	16.00	2.3%	23
November	18.00	2.6%	258.00	37.1%	540
December	0.35	0.1%	5.00	0.7%	11
<b>2022</b>	<b>2.11</b>	<b>0.3%</b>	<b>258.00</b>	<b>37.1%</b>	<b>762</b>

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

**Table 6. Raw Water (Well #1) Annual and Monthly Average and Maximum Flowrates for 2022**

Timeframe	Raw Water Flowrate – Well #1	
	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	0.01	5.92
February	0.01	5.91
March	0.01	6.26
April	0.02	6.34
May	0.01	6.28
June	0.01	7.16
July	0.01	6.22
August	0.01	5.22
September	0.00	4.79
October	0.01	6.15
November	0.21	6.18
December	0.00	6.07
<b>2022</b>	<b>0.03</b>	<b>7.16</b>

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 2022**

Timeframe	Raw Water Flow – Well #2				
	Average Flow (m <sup>3</sup> /day)	Percent of Allowable Daily Volume	Maximum Flow (m <sup>3</sup> /day)	Percent of Allowable Daily Volume	Total Volume (m <sup>3</sup> )
January	135.4	19.5%	366.0	52.6%	4,198
February	143.5	20.6%	210.0	30.2%	4,018
March	159.2	22.9%	261.0	37.5%	4,935
April	167.6	24.1%	262.0	37.6%	5,028
May	182.8	26.3%	272.0	39.1%	5,668
June	214.6	30.8%	319.0	45.8%	6,439
July	152.5	21.9%	268.0	38.5%	4,728
August	151.7	21.8%	256.0	36.8%	4,704
September	179.5	25.8%	250.0	35.9%	5,386
October	171.9	24.7%	262.0	37.6%	5,328
November	180.8	26.0%	314.0	45.1%	5,425
December	188.5	27.1%	289.0	41.5%	5,843
<b>2022</b>	<b>169.0</b>	<b>24.3%</b>	<b>366.0</b>	<b>52.6%</b>	<b>61,700</b>

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

**Table 8. Raw Water (Well #2) Annual and Monthly Average and Maximum Flowrates for 2022**

Timeframe	Raw Water Flowrate – Well #2	
	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	5.96	5.96
February	5.94	5.94
March	5.95	5.95
April	5.97	5.97
May	5.95	5.95
June	7.40	7.40
July	6.02	6.02
August	5.28	5.28
September	6.26	6.26
October	6.40	6.40
November	6.47	6.47
December	6.47	6.47
<b>2022</b>	<b>1.99</b>	<b>7.40</b>

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.



**ONTARIO CLEAN WATER AGENCY**  
**AGENCE ONTARIENNE DES EAUX**

**WIARTON**  
**DRINKING WATER SYSTEM**

Large Municipal Residential

**SCHEDULE 22**  
**SUMMARY REPORT**

**For the period of**  
**JANUARY 1, 2022 TO DECEMBER 31, 2022**

Prepared by the Ontario Clean Water Agency  
For The Corporation of the Town of South Bruce Peninsula

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:

<b>Drinking-Water System Number:</b>	220002681
<b>Drinking-Water System Name:</b>	Warton Drinking Water System
<b>Drinking-Water System Owner:</b>	The Town of South Bruce Peninsula
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1, 2022 – December 31, 2022

## 1. Issue(s) of Non-Compliance

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on January 6, 2022 for the period covering December 23, 2020 to January 6, 2022. On February 10, 2022 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 2021/2022 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 Wiarton 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

<b>Municipal Drinking Water License (MDWL):</b>	094-102 (Issue Number: 4)
<b>Allowable Rated Capacity:</b>	5,400 m <sup>3</sup> /day
<b>Allowable Flowrate into Treatment System:</b>	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 2022**

Timeframe	Treated Water Flow				
	Average Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Maximum Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Total Volume (m <sup>3</sup> )
January	908.7	16.8%	1,384	25.7%	28,171
February	862.6	16.0%	1,169	21.7%	24,152
March	862.7	16.0%	1,011	18.7%	26,743
April	832.8	15.4%	1,040	19.3%	24,984
May	916.1	17.0%	1,194	22.1%	28,398
June	950.7	17.6%	1,301	24.1%	28,521
July	1,077.5	20.0%	1,462	27.1%	33,402
August	1,038.6	19.3%	1,428	26.5%	32,197
September	871.3	16.2%	1,793	33.2%	26,140
October	809.6	15.0%	1,161	21.5%	25,098
November	802.7	14.9%	1,066	19.8%	24,081
December	792.6	14.7%	1,131	21.0%	24,570
<b>2022</b>	<b>893.8</b>	<b>16.6%</b>	<b>1,793</b>	<b>33.2%</b>	<b>326,457</b>

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 2022**

Timeframe	Treated Water Flowrate	
	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	66.80	76.55
February	66.78	76.47
March	67.19	76.07
April	67.60	76.27
May	67.07	76.44
June	67.07	77.42
July	67.44	76.66
August	67.16	75.93
September	66.65	75.80
October	67.19	75.93
November	67.12	75.54
December	66.85	75.63
<b>2022</b>	<b>67.08</b>	<b>77.42</b>

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

<b>Permit to Take Water Number:</b>	5181-9DFR4C
<b>Allowable Maximum Raw Water Volume – Georgian Bay:</b>	5,394.1 m <sup>3</sup> /day
<b>Allowable Maximum Raw Water Flowrate – Georgian Bay:</b>	3,746 L/min

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 2022**

Timeframe	Raw Water Flow – Georgian Bay				
	Average Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Maximum Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Total Volume (m <sup>3</sup> )
January	986	18.3%	1479	27.4%	30,561
February	935	17.3%	1282	23.8%	26,173
March	948	17.6%	1155	21.4%	29,391
April	909	16.8%	1212	22.5%	27,261
May	984	18.2%	1232	22.8%	30,494
June	1031	19.1%	1343	24.9%	30,930
July	1160	21.5%	1615	29.9%	35,960
August	1120	20.8%	1517	28.1%	34,721
September	940	17.4%	1965	36.4%	28,209
October	885	16.4%	1201	22.3%	27,427
November	873	16.2%	1130	21.0%	26,201
December	862	16.0%	1265	23.4%	26,720
<b>2022</b>	<b>969</b>	<b>18.0%</b>	<b>1,965</b>	<b>36.4%</b>	<b>354,048</b>

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 2022**

Timeframe	Raw Water Flowrate	
	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	48.91	53.62
February	48.63	52.79
March	49.19	52.82
April	49.51	53.14
May	50.04	53.67
June	50.27	54.43
July	50.47	53.96
August	50.10	53.85
September	49.71	53.57
October	49.49	52.97
November	41.45	53.77
December	40.59	52.86
<b>2022</b>	<b>48.20</b>	<b>54.43</b>

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