



# Ontario Clean Water Agency Agence Ontarienne Des Eaux

Rick Winters, Director of Operations  
Township of Georgian Bluffs  
R.R.#3  
Owen Sound, Ontario  
N4K 5N5

**RE: 2018 Summary Report, Requirement under O. Reg. 170/03, Schedule 22**

Dear Mr. Winters,

Attached are the 2018 Summary Reports for the following drinking water systems:

- Shallow Lake
- East Linton
- Pottawatomi
- Oxenden Distribution System

These reports were completed in accordance with Schedule 22 of Ontario Regulation 170/03. It is required that a Summary Report for the previous calendar year be prepared no later than March 31<sup>st</sup> of each year and be given to the members of the Township Council. Please ensure this distribution.

Section 12 of Ontario Regulation 170/03 requires that the Summary Report be made available for inspection, at no charge, by any member of the public during regular business hours. The report should be made available for inspection at the office of the Town or at a location that is convenient for the users of the water system.

Should you require further clarification of information regarding this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Leo-Paul Frigault'.

Leo-Paul Frigault  
Senior Operations Manager  
OCWA, Georgian Highlands Region



**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, 2018 TO DECEMBER 31, 2018**

## 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 East Linton Drinking Water System located in the Township of Georgian Bluffs. 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 July 19, 2018. On September 6, 2018 the report for this inspection was issued, the East Linton 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:

- There were no non-compliances during the reporting period.

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 tables summarize the quantities 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) 083-105 (Issue Number: 2, expires August 22, 2021), the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed a rated capacity of 2,600 m<sup>3</sup>/day.

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

2018	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
<b>January</b>	393.4	15.1%	668	25.7%
<b>February</b>	355.1	13.7%	511	19.7%
<b>March</b>	345.8	13.3%	711	27.4%
<b>April</b>	373.4	14.4%	863	33.2%
<b>May</b>	456.3	17.6%	843	32.4%
<b>June</b>	601.4	23.1%	1,020	39.2%
<b>July</b>	510.1	19.6%	915	35.2%
<b>August</b>	393.3	15.1%	752	28.9%
<b>September</b>	384.2	14.8%	800	30.8%
<b>October</b>	377.9	14.5%	841	32.3%
<b>November</b>	386.5	14.9%	619	23.8%
<b>December</b>	465.3	17.9%	756	29.1%

NOTE: A leaking water service identified on Grey Rd 1 and repaired by property owner in July 2018. Additional water distribution system flushing performed in December 2018.



**Ontario Clean Water Agency**  
**Agence Ontarienne Des Eaux**

**OXENDEN**  
**DISTRITIION 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 Georgian Bluffs

## 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 Oxenden Distribution System located in the Township of Georgian Bluffs. 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 15, 2018. On June 22, 2018 the report for this inspection was issued, the Oxenden Distribution 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:

- There were no non-compliances during the reporting period.

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 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 flowrates approved in the system's approval, drinking water works permit or municipal drinking water license (MDWL).

As per MDWL 083-103 (Issue Number: 2, expires August 22, 2021), there is no maximum rated capacity (daily volume) of treated water that flows from the treatment subsystem to the distribution system and no maximum allowable limit listed in the MDWL for the flowrate of water that flows into a treatment subsystem.

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

2018	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
January	59.7	n/a	77.4	n/a
February	62.0	n/a	79.8	n/a
March	63.9	n/a	143.6	n/a
April	65.9	n/a	103.0	n/a
May	78.7	n/a	104.4	n/a
June	110.8	n/a	244.8	n/a
July	127.5	n/a	281.0	n/a
August	106.7	n/a	139.0	n/a
September	82.9	n/a	124.8	n/a
October	71.1	n/a	98.4	n/a
November	66.0	n/a	80.0	n/a
December	65.8	n/a	77.0	n/a



**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, 2018 TO DECEMBER 31, 2018**

## 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 Pottawatomi Drinking Water System (DWS) located in the Township of Georgian Bluffs. 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 MECPECP Drinking Water System Inspection was performed on May 15, 2018. On July 5, 2018 the report for this inspection was issued, the Pottawatomi DWS received an inspection rating of 98.0%.

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
<p>The monthly raw water (RW) Bacteriological (E.Coli &amp; Total Coliform) sample for the Pottawatomi DWS was missed for the month of March.</p> <p>As per O.Reg 170/03:                      “the owner of the system and the operating authority for the system shall ensure that a water sample is taken at least once every month from the raw water in each well that is supplying water to the system, before any treatment is applied to the water and tested for Escherichia coli and total coliforms.”                      It is important to note that there is no concentration limit for Raw Water. Raw water bacteriological sampling results for the Pottawatomi DWS typically show 0 cfu/100 mL for E.Coli and 0 cfu/ 100 mL for Total Coliform (January 2016 to April 2018).</p>	<p>March 4, 2018</p>	<p>Verbal notification was provided to both the Provincial Officer Robert Graham of the MECP on April 12, 2018 and the Township of Georgian Bluffs’ Public Works Manager Rick Winters on April 13, 2018.</p> <p>Reviewed the requirements as per O.Reg 170/03 for monthly raw water Bacteriological sampling with Staff on April 12<sup>th</sup>, 2018.</p>
<p>The operations and maintenance manuals did not contain plans, drawings and process descriptions sufficient for the safe and efficient operation of the system.</p>	<p>July 5, 2018 (MECP Inspection Report)</p>	<p>Within 30 days of the date of the inspection report, complete updates to the O &amp; M Manual and provide written confirmation of completion to the provincial officer.</p> <p>Provided the drinking water inspector with written confirmation of completion of corrective actions on July 27, 2019.</p>
<p>The operations and maintenance manuals did not meet the requirements of the Drinking Water Works Permit and Municipal Drinking Water Licence issued under Part V of the SDWA.</p>	<p>July 5, 2018 (MECP Inspection Report)</p>	<p>Within 30 days of the date of the inspection report, complete updates to the O &amp; M Manual and provide written confirmation of completion to the provincial officer.</p> <p>Provided the drinking water inspector with written confirmation of completion of corrective actions on July 27, 2019.</p>

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 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) 083-101 (Issue Number: 2, expires August 22, 2021), the maximum daily volume of treated water that flows from the treatment subsystem to the Drinking Water System shall not exceed a rated capacity of 170 m<sup>3</sup>/day.

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

2018	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 (%)
<b>January</b>	12.4	7.3	19.5	11.5
<b>February</b>	12.3	7.3	16.6	9.8
<b>March</b>	11.1	6.6	16.8	9.9
<b>April</b>	12.5	7.4	19.4	11.4
<b>May</b>	15.5	9.2	27.1	15.9
<b>June</b>	18.8	11.1	30.7	18.1
<b>July</b>	17.0	10.0	26.4	15.5
<b>August</b>	17.1	10.1	28.0	16.5
<b>September</b>	15.7	9.2	28.8	16.9
<b>October</b>	12.9	7.6	20.4	12.0
<b>November</b>	11.9	7.0	15.6	9.2
<b>December</b>	13.6	8.0	21.0	12.4



**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, 2018 TO DECEMBER 31, 2018**

## 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 Shallow Lake Drinking Water System located in the Township of Georgian Bluffs. 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 April 11, 2018. On June 15, 2018 the report for this inspection was issued, the Shallow Lake 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:

- There were no non-compliances during the reporting period.

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 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) 083-102 (Issue Number: 2, expires August 22, 2021), the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed a rated capacity of 696 m<sup>3</sup>/day.

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

2018	Treated Water			
	Average Flow (m <sup>3</sup> /day)	Percent of Rated Capacity (%)	Maximum Flow (m <sup>3</sup> /day)	Percent of Rated Capacity (%)
<b>January</b>	91.8	13.2	123.2	17.7
<b>February</b>	86.9	12.5	117.0	16.8
<b>March</b>	80.6	11.6	104.5	15.0
<b>April</b>	77.3	11.1	113.5	16.3
<b>May</b>	96.8	13.9	140.9	20.2
<b>June</b>	138.5	19.9	203.7	29.3
<b>July</b>	121.5	17.5	208.5	30.0
<b>August</b>	80.0	11.5	125.6	18.1
<b>September</b>	87.1	12.5	109.3	15.7
<b>October</b>	86.7	12.5	111.6	16.0
<b>November</b>	84.0	12.1	106.2	15.3
<b>December</b>	85.4	12.3	108.4	15.6

\*Repaired leaking water service on Joynt Street in July 2018.