



Ontario Clean Water Agency
Agence Ontarienne Des Eaux



Annual Summary Report

Lambton Area Water Supply System

2018

Prepared for the Lambton Area Water Supply System Board

By the Ontario Clean Water Agency

TABLE OF CONTENTS

Section Number	CONTENTS	Page Number
1	<p>"Compliance with the Safe Drinking Water Act and Regulation 170/03, the system's approval, drinking water works permit, municipal drinking water licence and any orders applicable to the system "</p> <p><i>Statement of Compliance</i></p>	2
2	<p>"Non-Compliance with the Safe Drinking Water Act and Regulation 170/03, the system's approval, drinking water works permit, municipal drinking water licence and any orders applicable to the system"</p> <p><i>Details of the non-compliance issues as well as how and when any non-compliance issues were corrected</i></p>	2
3	<p>"Assessment of the capability of the system to meet existing and planned uses of the system"</p> <p><i>Summary and discussion of quantity of water supplied</i></p>	3
APPENDIX		
Appendix A	Annual volume record of the Lambton Area Water Supply System January 1, 2018 – December 31, 2018	4-5

Lambton Area Water Supply System Annual Summary Report 2018

SECTION 1

Statement of Compliance

This report is a summary of water quality information for the Lambton Area Water Supply System and published in accordance with Schedule 22 of Ontario's Safe Drinking Water Act, Ontario Regulation 170/03 for the reporting period of January 1, 2018 to December 31, 2018. The Lambton Area Water Supply System is categorized as a Large Municipal Residential Drinking Water System.

This report was prepared by the Ontario Clean Water Agency on behalf of the Lambton Area Water Supply System Board.

The Lambton Area Water Supply System was operated and maintained in such a manner that the water supplied to the consumers serviced by the system satisfied all the requirements in the Safe Drinking Water Act, the Certificate of Approval and the Municipal Drinking Water Licence. There were no adverse water quality events/non-compliance issues reported.

SECTION 2

Details of the non-compliance issues as well as how and when any non-compliance issues were corrected

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Notice of Resolution
	Zero noted				

SECTION 3

Summary and discussion of quantity of water supplied

In accordance with Schedule 22-2 (3) *“the report must also include the following information for the purpose of enabling the owner of the system to assess the capability of the system to meet existing and planned uses of the system.”*

- 1. A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows and daily instantaneous peak flow rate.*
- 2. A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system’s approval must be discussed.*

The rated capacity specified in the Municipal Drinking Water Licence (Licence Number: 020-101) for the Lambton Area Water Supply System is 181,844 m³/day. The maximum treated daily flow for the reporting period was 84,253 m³/day on June 14, 2018. The rated capacity from the Municipal Drinking Water Licence was not exceeded.

The Permit to Take Water (Number 3657-7DJL86) states the maximum amount of water taken is 182,000,000 L/Day. The maximum amount of raw water taken in 2018 was 86,355,000 L on June 14, 2018. The Permit to Take Water limit was not exceeded.

Attached in Appendix A, are the average daily volume (m³), the maximum daily volume (m³) and the peak daily flow rate (L/sec) for treated water and raw. Also noted is the % of Design Volume for each.

The quantity of water supplied during the reporting period did not exceed the rated capacity of this facility.

Lambton Area Water Supply System Annual Summary Report 2018

Appendix A

Lambton Area Water Supply System Annual Volume Record for 2018

Design Rated Capacity (Treated Flows): 181,844 m³/day

Month	Average Daily Volume of Treated Water (m ³)	% of Design Volume	Maximum Daily Volume (m ³)	% of Design Volume	Peak Daily Rate (L/sec)	% of Design Rate of 2104 L/sec
January	50663	27.9	59548	32.7	815	38.7
February	44975	24.7	49319	27.1	788	37.4
March	45866	25.2	52553	28.9	969	46.1
April	44024	24.2	52108	28.7	787	37.4
May	53298	29.3	76389	42.0	1295	61.5
June	64260	35.3	84253	46.3	1208	57.4
July	67992	37.4	80779	44.4	1226	58.3
August	61643	33.9	75951	41.8	1190	56.6
September	56036	30.8	65099	35.8	1044	49.6
October	47821	26.3	61861	34.0	909	43.2
November	44559	24.5	48704	26.8	851	40.4
December	44103	24.3	48034	26.4	924	43.9

Lambton Area Water Supply System Annual Summary Report 2018

Permit to Take Water Max Flow (Raw Water): 182,000 m³/day

Month	Average Daily Volume of Raw Water (m³)	% of Permit Volume	Maximum Daily Volume (m³)	% of Permit Volume	Peak Daily Rate (L/sec)	% of Permit Rate of 2106 L/sec
January	52423	28.8	60923	33.5	705	33.5
February	47339	26.0	51410	28.2	595	28.3
March	47625	26.2	58400	32.1	676	32.1
April	45645	25.1	55566	30.5	643	30.5
May	54303	29.8	74342	40.8	860	40.8
June	64798	35.6	86355	47.4	999	47.4
July	68381	37.6	82877	45.5	959	45.5
August	61787	33.9	74666	41.0	973	46.2
September	56294	30.9	70305	38.6	814	38.7
October	48009	26.4	56496	31.0	654	31.0
November	45569	25.0	54550	30.0	631	30.0
December	44514	24.4	48894	26.9	565	26.8