



Ontario Clean Water Agency
Agence Ontarienne Des Eaux



Annual Summary Report

Lambton Area Water Supply System

2023

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, 2023 – December 31, 2023	4-5

Lambton Area Water Supply System Annual Summary Report 2023

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, 2023 to December 31, 2023. 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 two 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
No non-compliances 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 89,967m³/day on June 3, 2023. The rated capacity from the Municipal Drinking Water Licence was not exceeded.

The Permit to Take Water (Number 3560-APLNRJ) states the maximum amount of water taken is 182,000 m³/day. The maximum amount of raw water taken in 2023 was 90,539 m³/day on June 4, 2023. 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 2023

Appendix A

Lambton Area Water Supply System Annual Volume Record for 2023

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	44507	24.5	49268	27.1	789.2	37.5
February	43377	23.9	49674	27.3	792.0	37.6
March	44391	24.4	58351	32.1	1137.1	54.0
April	44004	24.2	49758	27.4	792.0	37.6
May	54935	30.2	83254	45.8	1372.0	65.2
June	67828	37.3	89967	49.5	1343.2	63.8
July	62729	34.5	75860	41.7	1070.9	50.9
August	58226	32.0	72053	39.6	1143.9	54.3
September	51599	28.4	72740	40.0	1056.2	50.2
October	45726	25.1	59986	33.0	917.1	43.6
November	45642	25.1	53135	29.2	901.6	42.8
December	45466	25.0	49892	27.4	894.7	42.5

Lambton Area Water Supply System Annual Summary Report 2023

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	45912	25.2	53847	29.6	718.1	34.1
February	45407	24.9	56930	31.3	717.3	34.1
March	46897	25.8	52791	29.0	1050.0	49.8
April	46331	25.5	62390	34.3	967.5	45.9
May	56331	31.0	85431	46.9	1308.2	62.1
June	68945	37.9	90539	49.5	1322.0	62.8
July	63745	35.0	77129	42.4	1303.9	61.9
August	59596	32.7	78821	43.3	1303.2	61.9
September	52215	28.7	75822	41.7	1190.1	56.5
October	46140	25.4	62409	34.3	1180.0	56.0
November	46004	25.3	56267	30.9	1185.4	56.3
December	46679	25.6	57930	31.8	909.2	43.2