



Ontario Clean Water Agency
Agence Ontarienne Des Eaux



Annual Summary Report

Lambton Area Water Supply System

2012

Prepared for the Lambton Area Water Supply System Board

By the Ontario Clean Water Agency

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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, 2012 to December 31, 2012. 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. However, as per Ontario Regulation 170, in 2012 there were two Adverse Water Quality Events.

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
Feb. 25/12	Turbidity *Caused by failed filter effluent valve*	>1.0	NTU	Manufacturer rectified filter effluent valve closing issue. Placed on 2013 Replaced Capital Plan.	Resolved on February 25, 2012
Oct. 30/12	Turbidity *Caused by Hurricane Sandy and failed filter effluent valve*	>1.0	NTU	Manufacturer rectified filter effluent valve closing issue. Placed on 2013 Replacement Capital Plan.	Resolved on October, 31, 2012

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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 111245 m³/day on July 1, 2012. 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 2012 was 103,173,000 L on July 1, 2012. 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). 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.

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Appendix A

Lambton Area Water Supply System Annual Volume Record for 2012

Design Treated Flows: 182,000 m³/day

Month	Average Daily Volume (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	46360	25.5	51028	28.0	922.3	43.8
February	45662	25.1	50204	27.6	820.4	39.0
March	46610	25.6	51531	28.3	920.6	43.8
April	49781	27.4	59443	32.7	930.3	44.2
May	60392	33.2	84930	46.7	1142.4	54.3
June	69486	38.2	95773	52.6	1408.1	66.9
July	76614	42.1	111245	61.1	1458.6	69.3
August	66482	36.5	82809	45.5	1181.1	56.7
September	61569	33.8	88049	48.3	1159.3	55.1
October	51126	28.1	64237	35.3	1285.6	61.1
November	48779	26.8	59030	32.4	872.9	41.5
December	47348	26.0	58312	32.0	786.4	37.4