



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



**Annual Summary Report**

**Lambton Area Water Supply System**

**2013**

**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, 2013 to December 31, 2013. 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 or non-compliance issues.

## SECTION 2

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

<b>Incident Date</b>	<b>Parameter</b>	<b>Result</b>	<b>Unit of Measure</b>	<b>Corrective Action</b>	<b>Notice of Resolution</b>

### 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 m<sup>3</sup>/day. The maximum treated daily flow for the reporting period was 83665 m<sup>3</sup>/day on July 19, 2013. 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 2013 was 85,230,000 L on August 22, 2013. The Permit to Take Water limit was not exceeded.

Attached in Appendix A, are the average daily volume (m<sup>3</sup>), the maximum daily volume (m<sup>3</sup>) 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.

### Appendix A

#### **Lambton Area Water Supply System Annual Volume Record for 2013**

##### **Design Treated Flows: 182,000 m<sup>3</sup>/day**

Month	Average Daily Volume (m <sup>3</sup> )	% of Design Volume	Maximum Daily Volume (m <sup>3</sup> )	% of Design Volume	Peak Daily Rate (L/sec)	% of Design Rate of 2104 L/sec
January	46213	25.3	53972	29.7	1046.3	49.7
February	46809	25.7	61787	33.9	749.1	35.6
March	47228	25.9	51887	28.5	802.5	48.1

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April	55643	30.6	72904	40.0	1133.6	53.9
May	58610	32.2	72756	40.0	1094.9	52.0
June	61760	33.9	81250	44.6	1130.9	53.8
July	66477	36.5	83665	46.0	1176.7	55.9
August	66328	36.4	82794	45.5	1190.6	56.6
September	58911	32.3	74684	41.0	1149.2	54.6
October	53073	29.2	61784	33.9	1230.5	58.5
November	45172	24.8	53942	29.6	817.8	38.9
December	46311	25.4	49147	27.0	957.2	45.5

### Permit to Take Water Max Flow (Raw Water): 182,000 m<sup>3</sup>/day

Month	Average Daily Volume (m <sup>3</sup> )	% of Permit Volume	Maximum Daily Volume (m <sup>3</sup> )	% of Permit Volume	Peak Daily Rate (L/sec)	% of Permit Rate of 2106 L/sec
January	47060	25.9	52697	29.0	609.9	29.0
February	47123	25.9	60669	33.3	702.2	33.3
March	47704	26.2	56824	31.2	657.7	31.2
April	57624	31.7	81721	44.9	945.8	44.9
May	59924	32.9	73760	40.5	853.7	40.5
June	62525	34.3	84537	46.4	978.4	46.5
July	67305	37.0	83591	45.9	967.5	45.9
August	66058	36.3	85230	46.8	986.5	46.8
September	58465	32.1	76237	41.9	882.4	41.9
October	53681	29.4	65273	35.9	755.4	35.9
November	46637	25.6	55998	30.7	648.1	30.1
December	47868	26.3	54506	29.9	630.9	30.0