



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



**Annual Summary Report**

**Lambton Area Water Supply System**

**2011**

**Prepared for the Lambton Area Water Supply System Board**

**By the Ontario Clean Water Agency**

# Lambton Area Water Supply System Annual Summary Report 2011

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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, 2011 to December 31, 2011. 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 there were two Adverse Water Quality Events issues.

## 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
July 25, 2011	Exceeded Maximum Allowable Concentration for Total Coliform Bacteria. The limit is 0 CfU/100mL.	1 CfU/100mL	CfU/100mL	Resample came back safe and AWQI # 102322 report was filled out.	Resolved on July 27 <sup>th</sup>
November 21, 2011	Exceeded Maximum Allowable Concentration for Total Coliform Bacteria. The limit is 0 CfU/100mL.	1 CfU/100mL	CfU/100mL	Resample came back safe and AWQI # 104300 report was filled out.	Resolved on November 23 <sup>rd</sup>

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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 m<sup>3</sup>/day. The maximum daily flow for the reporting period was 95580 m<sup>3</sup>/day on July 17, 2011.

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 water taken in 2011 was 95,580,000 on July 17, 2011. 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.

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## Appendix A

### Lambton Area Water Supply System Annual Volume Record for 2011

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	51148	28.1	61506	33.8	1456	69.2
February	50102	27.5	58832	32.3	1123	53.4
March	50636	27.8	62203	34.2	1132	53.8
April	48955	26.9	55220	30.3	1058	50.2
May	53721	29.5	67290	37.0	1092	51.9
June	66990	36.8	77763	42.7	1099	52.2
July	76367	42.0	95580	52.5	1496	71.1
August	68186	37.5	84117	46.2	1098	52.1
September	60144	33.0	77565	42.6	1104	52.5
October	53690	30.0	59704	32.8	737	35.0
November	50492	27.7	55534	30.5	1028	48.9
December	47582	26.1	51810	28.4	738	35.1