



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

March 22, 2011

Township of Malahide
Rob Johnson
Director of Physical Services
87 John Street South
Aylmer ON N5H 2C3

Re: Safe Drinking Water Act, O. Reg. 170/03 Schedule 22 Summary Report

Dear Mr. Johnson,

Attached is the 2010 Summary Report for the Aylmer Area Secondary Water Supply System. This report is completed in accordance with Schedule 22 of O. Reg. 170/03, under the Safe Drinking Water Act.

This Summary Report is to be provided to the members of the Aylmer Area Secondary Water Supply System Joint Board of Management; please ensure this distribution.

We recently forwarded a copy of the 2010 Annual Report for the Aylmer Area Secondary Water Supply System required under Section 11 of O. Reg. 170/03. Section 12 of O. Reg. 170/03, requires both the Summary Report and the Schedule 11 Annual Report be made available for inspection by any member of the public during normal business hours, without charge. The reports should be made available for inspection at the office of the township, or at a location that is reasonably convenient to the users of the water system.

Please feel free to contact me should you require any additional information regarding these reports. I can be reached at 519-773-5266.

Sincerely,

Jim Laur
Process and Compliance Technician

C.c. Dale LeBritton, Operations Manager



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

Annual Summary Report

For the

**Aylmer Area Secondary
Water Supply System**

For the Year

2010

**Prepared for the Township of Malahide,
Administering Municipality for the Aylmer Area
Secondary Water Supply System**

By the Ontario Clean Water Agency

Table of Contents

Section Number	Contents	Page Number
1	Overview of System	1
<hr/>		
2	Compliance with Regulations Schedule 22-2 (2)(a) List the requirements of the Act, the regulations, the system's approval, drinking water works permit, municipal drinking water licence, and any orders applicable to the system that were not met at any time during the period covered by the report	1&2
<hr/>		
3	Corrective Actions Schedule 22-2 (2)(b) For each requirement referred to in section 2 that was not met, specify the duration of the failure and the measures that were taken to correct the failure.	2
<hr/>		
4	Flow Summary Schedule 22-2 (3) <ol style="list-style-type: none"> 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. 2. A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system's approval, drinking water works permit or municipal drinking water licence, or if the system is receiving all of its water from another system under an agreement pursuant to subsection 5 (4), to the flow rates specified in the written agreement. 	2
<hr/>		
APPENDICES		
APPENDIX A Distribution Flows for January 1, 2010 to December 31, 2010		

SECTION 1 Overview

This report is a summary of water quality information for the Aylmer Area Secondary Water Supply System, published in accordance with Schedule 22 of Ontario's Drinking Water Systems Regulation for the reporting period of January 1, 2010 to December 31, 2010. The Aylmer Area Secondary Water Supply System (waterworks number 260004722) is categorized as Large Municipal Residential Drinking Water System.

The Aylmer Area Secondary Water Supply System operated under Certificate of Approval (CofA) #8312-7RDRJ3 dated May 20, 2009).

This report was prepared by The Ontario Clean Water Agency on behalf of the administering authority the Township of Malahide and must be supplied to the Aylmer Area Secondary Water Supply System Joint Board of Management by March 31, 2011.

SECTION 2 Compliance

The Aylmer Area Secondary Water Supply System received two minor Non-compliance issues in 2010 otherwise the system was operated and maintained in such a manner that water supplied to the consumers and serviced by the system satisfied the requirements in the Safe Drinking Water Act, the regulations and the Certificates of Approval.

During the routine Annual Inspection of the Aylmer Area Secondary Water Supply System on May 18, 2010 conducted by Barry Moncrieff of the Ministry of Environment, there were two Non-compliance with Regulatory Requirements recorded.

Non-compliance #1 (American Water Corporation of Canada) failed to ensure:

- *The date, the time of day the shift began and ended, and the number or designation of the shift*
- *Names of all on duty operators on duty during the shift*
- *Any departures from normal operating procedures that occurred during the shift, and the time they occurred.*
- *Any special instructions that were given during the shift to depart from normal operating procedures, the person who gave the instructions*
- *Any unusual or abnormal conditions that were observed in the subsystem during the shift, any action that was taken and any conclusions that were drawn from the observations and*
- *Any equipment that was taken out of service or ceased to operate during the shift, and any action taken to maintain or repair equipment during the shift.*

Non-compliance #2:

- *the administrative body for the Aylmer Area Secondary Water System, failed to distribute copies of the 2009 Summary report to the members of the joint board of Management, the owner of the drinking water system, as per Schedule 22-2 (1)(c) by March 31, 2010.*

SECTION 3 Corrective Action

American Water Canada Corporation) AWCC QA/QC and Compliance Manager provided the Ministry Of Environment Inspector Barry Moncrieff an information package that addressed the non-compliance identified in the inspection report. AWCC provided training for their staff as required in the inspection report and it is verified by an operator sign-off sheet for those that attended as well as a PowerPoint presentation that was used in the training session. This satisfies the corrective action specified in the inspection report.

The administrative authority for the Aylmer Area Secondary Water System, have created an annual work order to ensure copies of the Annual Summary report are provided to the members of the joint board of Management the owner of the drinking water system, as per Schedule 22-2 (1)(c) by March 31.

Although there were two non-compliance items the system received 98.70% for the Final Inspection Rating.

SECTION 4 Summary and Discussion of Quantity of Water Supplied

The flow data provided in Appendix A for the Elgin Middlesex Pumping Station in this report is based on the information provided by American Water Canada Corporation under CofA #8312-7RDRJ3.

The CofA does not specify a rated capacity for the Aylmer Area Secondary Water Supply System.

The total annual flow supplied to the distribution system for 2010 was 1,336,664m³; this is a 2% decrease from the 2009 recorded flows.

The maximum daily peak flow for 2010 was 5,223m³/day. The average daily flow for 2010 was 3,662m³ which is a decrease of 1% of the 2009 average flows.

APPENDIX A

The table below is a summary of quantities and flow rates from the Elgin Middlesex Booster Pumping Station meter for 2010.

	EMPS Total Treated Flow (m³)	Avg. Daily Volume (m³)	Max Daily Volume (m³)
January	112,626	3,518	3,706
February	99,728	3,585	4,251
March	104,737	3,489	3,867
April	104,809	3,504	3,959
May	105,178	3,762	4,595
June	140,199	3,991	4,807
July	114,642	4,041	5,223
August	125,993	3,997	4,575
September	115,842	3,848	4,375
October	107,147	3,338	3,776
November	97,764	3,369	3,633
December	107,999	3,188	3,836
Annual Total Flows	1,336,664		