



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

February 22, 2019

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 2018 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 by March 31, 2019.

We recently forwarded a copy of the 2018 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 Section 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 226-377-3563.

Sincerely,

A handwritten signature in black ink that reads "Cindy Sigurdson".

Cindy Sigurdson
Safety, Process and Compliance Manager

c.c. Dale LeBritton, OCWA's Regional Hub Manager
Mike Taylor, OCWA's Senior Operations Manager
Sam Gustavson, Malahide's Water/Wastewater Operations Manager



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

Annual Summary Report

For the

**Aylmer Area Secondary
Water Supply System**

2018

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

By the Ontario Clean Water Agency

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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. 	1
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SECTION 1: Overview

This summary report for the Aylmer Area Secondary Water Supply System is published in accordance with Schedule 22 of Ontario's Drinking Water Systems Regulation for the reporting period of January 1st, 2018 to December 31st, 2018. The Aylmer Area Secondary Water Supply System (waterworks number 260004722) is categorized as a Large Municipal Residential Drinking Water System.

The Aylmer Area Secondary Water Supply System is operated under the Municipal Drinking Water Licence (MDWL) 302-101 and Drinking Water Works Permit (DWWP) 302-201.

This report was prepared by the Ontario Clean Water Agency (OCWA) on behalf of the administering authority, the Township of Malahide, and only includes the OCWA Southwest Region operated portion of the system. This portion includes the transmission main from Chamber A001 to Chamber A018 at the Aylmer/Malahide border.

SECTION 2: Compliance

The Aylmer Area Secondary Water Supply 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, Municipal Drinking Water Licence and Drinking Water Works Permit.

The annual routine Inspection of the Aylmer Area Secondary Water Supply System on June 21st, 2018, conducted by Jim Miller of the Ministry of the Environment, Conservation and Parks (MECP) identified no non-compliances with regulatory requirements.

SECTION 3: Corrective Action

The routine MECP Inspections have an Inspection Rating Record, which evaluates the system to provide information for the owner/operator on areas that need to be improved. The particular areas that were evaluated for the Aylmer Area Secondary Water Supply System were: Treatment Process, Distribution System, Operations Manuals, Logbooks, Certification and Training, Water Quality Monitoring, Reporting and Corrective Actions, and Treatment Process Monitoring. This system received 0 out of 255 non-compliance ratings and as such received 100% for the Final Inspection Rating.

SECTION 4: Summary and Discussion of Quantity of Water Supplied

In accordance with Schedule 22-2(3) 1, find a summary and discussion of the quantity of water supplied during the reporting period. There are no rated capacities specified in the Municipal Drinking Water Licence.

Attached as Appendix A, find a summary of flow for the Elgin Middlesex Pumping Station which supplies all of the water to the Aylmer Area Secondary Water Supply System. This data is collected at the Elgin Middlesex Pump Station.

The average daily flow supplied to the Aylmer Area Secondary Water Supply System was 3,944m³/day, which is a 9.4% increase from the previous year. The maximum daily flow for 2018 was 5,779m³/day, which is an 8.1% increase from the previous year.

Attached as Appendix B are the flow totals for all meters that are located in the Aylmer Area Secondary Water Supply System.

APPENDIX A

The table below is a summary of quantities and flow rates from the Elgin Middlesex Booster Pumping Station meter for 2018 compared to 2017 values.

Month	2018 Total Flow (m³)	2017 Total Flow (m³)	2018 Average Day Flow (m³)	2017 Average Day Flow (m³)	% Difference between 2018 and 2017	2018 Max Day Flow (m³)	2017 Max Day Flow (m³)	% Difference Between 2018 and 2017
January	102,332	108,207	3,301	3,491	-5.4	4,073	3,731	9.2
February	97,888	97,119	3,496	3,469	0.8	3,901	3,943	-1.1
March	116,987	101,378	3,774	3,270	15.4	3,728	3,816	-2.3
April	91,639	102,901	3,055	3,430	-10.9	3,931	3,761	4.5
May	126,260	115,582	4,073	3,728	9.3	5,182	4,120	25.8
June	142,476	119,872	4,749	3,996	18.8	5,503	5,150	6.9
July	130,060	131,435	4,195	4,240	-1.0	5,779	4,923	17.4
August	130,694	134,470	4,216	4,338	-2.8	4,525	4,952	-8.6
September	103,190	125,618	3,440	4,187	-17.8	5,339	5,029	6.2
October	139,008	105,435	4,484	3,401	31.8	5,446	4,192	29.9
November	134,880	103,242	4,496	3,441	30.7	4,642	3,934	18.0
December	124,094	99,298	4,003	3,203	25.0	4,413	3,523	25.3
Total Flow	1,439,508	1,317,421						
Average			3,944	3,605	9.4			
Maximum						5,779	5,344	8.1

APPENDIX B

The table below is a summary of quantities and flow rates from the meters on the system for 2018 compared to 2017 values.

Meter	2018 Total Flow (m³)	2017 Total Flow (m³)	% Difference between 2018 and 2017
Chamber 13	1,274,679	1,287,974	-1.0
Chamber 16	1,367,640	1,246,768	9.7
Tower Rd.	1,922	4,372	-56.0
Belmont Rd.	2,778	2,743	1.3
Springwater Rd.	1,743	1,797	-3.0
Norton/Church	1,137	1,170	-2.8
Rogers Rd.	2,504	1,175	113