



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

March 28, 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 Malahide Water Distribution 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 municipal council; please ensure this distribution.

We recently forwarded a copy of the 2010 Annual Report for the Malahide Water Distribution System required under Section 11 of O. Reg. 170/03. Section 12 of O. Reg. 170/03, requires both the Summary Report and the 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 municipality, 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**  
**Malahide Water Distribution System**  
**For the Year**  
**2010**

**Prepared for the Township of Malahide**

**By the Ontario Clean Water Agency**

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3	<b>Corrective Actions</b> 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
4	<b>Flow Summary</b> Schedule 22-2 (3) <ol style="list-style-type: none"> <li>1. A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly total and monthly average daily flows.</li> <li>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.</li> </ol>	2
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## **SECTION 1: Overview of System**

This report is a summary of water quality information for the Malahide Water Distribution 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 Malahide Water Distribution System (waterworks number 260004774) is categorized as Large Municipal Residential Drinking Water System.

This report was prepared by The Ontario Clean Water Agency on behalf of the Township of Malahide and must be supplied to the municipal council by March 31, 2011.

## **SECTION 2: Compliance with Regulations**

There were two Non-Compliance issues reported, one AWQI #96898 a Total Coliform of 26 CFU/100ml on August 3, 2010 and the other was Total Coliform of 1 CFU/100ml reported on August 5, 2010 AWQI #96939.

The Malahide Water Distribution Supply System was operated and maintained in such a manner, that water supplied to the consumers serviced by the system satisfied the requirements in the Safe Drinking Water Act, the regulations, and the system Certificates of Approval.

The Ministry of Environment Inspecting Officer Barry Moncrieff conducted an annual inspection July 7, 2010. During the inspection there was no compliance issue recorded during the inspecting period.

## **SECTION 3: Corrective Actions**

The AWQI was a result of a sample station malfunction which was isolated from the system until repairs were made.

This system received zero non-compliance ratings and as such achieved 100% for the Final Inspection Rating.

## **SECTION 4: Summary and Discussion of Quantity of Water Supplied**

The Malahide Distribution System consists of a number of tertiary main through out the Township. There are no specific flow rates for the Malahide distribution system and there are meters located at certain points off of the transmission mains as our flow records indicate.

Attached as Appendix A, are a summary of distribution system flows including total and average daily flows for the reporting period at the Copenhagen Booster Pumping Station.

The Copenhagen Booster Pumping Station monthly average flow for the reporting period was 1,847m<sup>3</sup>, which is a 5% increase from 2009. The average daily flow for the reporting period was 60.7m<sup>3</sup>/day which is a 5.3% increase from 2009.

## Appendix A

The table below is a summary of quantities and flow rates from the Copenhagen meter and the total flows from the two meters in Port Bruce for 2010.

<b>Meter Location</b>	<b>Copenhagen</b>	<b>Copenhagen</b>	<b>Port Bruce PBO1</b>	<b>Port Bruce PBO2</b>
<b>Month</b>	<b>Total Monthly Flow m<sup>3</sup></b>	<b>Average Daily Flow m<sup>3</sup>/ day</b>	<b>Total Monthly Flow m<sup>3</sup></b>	<b>Total Monthly Flow m<sup>3</sup></b>
<b>January</b>	1,894	61.0	230.1	1,303
<b>February</b>	1,458	52.0	207.8	1,176
<b>March</b>	1,584	51.0	230.1	1,303
<b>April</b>	1,619	54.0	222.6	1,260
<b>May</b>	1,926	61.0	230.1	1,303
<b>June</b>	1,986	66.2	222.6	1,260
<b>July</b>	2,212	71.3	230.1	1,303
<b>August</b>	1,898	61.2	230.1	1,303
<b>September</b>	1,969	65.6	222.6	1,260
<b>October</b>	2,025	65.3	230.1	1,303
<b>November</b>	1,807	60.2	222.6	1,260
<b>December</b>	1,807	57.7	230.1	1,303
<b>TOTAL</b>	<b>22,168</b>		<b>2,710</b>	<b>15,341</b>