



**OPTIONAL ANNUAL REPORT TEMPLATE**

<b>Drinking-Water System Number:</b>	260004774
<b>Drinking-Water System Name:</b>	MALAHIDE DISTRIBUTION SYSTEM
<b>Drinking-Water System Owner:</b>	MUNICIPALITY OF MALAHIDE
<b>Drinking-Water System Category:</b>	WD LARGE MUNICIPAL RESIDENTIAL
<b>Period being reported:</b>	January 1,2008 to December 31,2008

<p><b><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></b></p> <p>Does your Drinking-Water System serve more than 10,000 people? Yes [ ] No [X]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [X] No [ ]</p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; padding: 5px;"> <p>Township of Malahide 87 John Street South Aylmer ON. N5H 2C3</p> </div>	<p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served: <input type="text"/></p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [ ] No [ ]</p> <p>Number of Interested Authorities you report to: <input type="text"/></p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [ ] No [ ]</p>
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**Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report**

List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:

Drinking Water System Name	Drinking Water System Number
Ontario Police College	260002161

Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?  
Yes [X] No [ ]



Indicate how you notified system users that your annual report is available, and is free of charge.

- Public access/notice via the web
- Public access/notice via Government Office
- Public access/notice via a newspaper
- Public access/notice via Public Request
- Public access/notice via a Public Library
- Public access/notice via other method \_\_\_\_\_

**Describe your Drinking-Water System**

THE TOWNSHIP OF MALAHIDE'S WATER SUPPLY SYSTEM CONSISTS OF PARTS OF THE AYLMEER SECONDARY TRANSMISSION MAIN WHICH IS 450 mm IN DIAMETER AND EXTENDS APPROXIMATELY 14 KILOMETERS FROM THE ELGIN – MIDDLESEX RESERVOIR TO THE TOWN OF AYLMEER. WHILE THIS PIPE IS INTENDED TO BE A "TRANSMISSION MAIN", THERE ARE A NUMBER OF PRIVATE CONNECTIONS. MALAHIDES SYSTEM EXTENDS OUT SIDE OF AYLMEER INCLUDING DINGLE STREET HACIENDA RD AND HIGHWAY #3 EAST OF AYLMEER.

THE TOWNSHIP OF MALAHIDE WATER SUPPLY SYSTEM CONSISTS OF PARTS OF THE PORT BURWELL SECONDARY SUPPLY FROM A CONNECTION INTO THE ELGIN AREA PRIMARY SYSTEM ALONG DEXTER LINE, THROUGH THE MUNICIPALITY OF CENTRAL ELGIN, INCLUDING IMPERIAL RD. & NOVA SCOTIA LINE IN THE TOWNSHIP OF MALAHIDE INCLUDING PORT BRUCE, COPENHAGEN AND JAMESTOWN LINE. TOTAL SERVICE CONNECTIONS ARE APPROXIMATELY 544.

**List all water treatment chemicals used over this reporting period**

The Malahide distribution system consists of tertiary main and do not use any treatment chemicals.

**Were any significant expenses incurred to?**

- Install required equipment
- Repair required equipment
- Replace required equipment

**Please provide a brief description and a breakdown of monetary expenses incurred**

There are up grades and installation of a new SCADA system in progress. There was no breakdowns during the reporting period. There were a number of residential meters replaced. 1 Tertiary radio read meter installed. Also a number of residential curb stop valves were repaired/replaced.



**Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre**

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
June .23/08	Total Coli form	1	mg/L	Flush, resample	June 30/08
Aug.20/08	Total Coli form and E.Coli	NDOG	mg/L	Flush, resample	Aug.20/08
Aug.22/08	Total Coli form	3	mg/L	Isolate sample Station and replace with new.	Aug.25/08
Aug.22/08	E.Coli	NDOG	mg/L	Isolate sample Station and replace with new.	Aug.25/08

**Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.**

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
<b>Distribution</b>	169	0-NDOG	1-3	58	<10-2000

**Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.**

	Number of Grab Samples	Range of Results (min #)-(max #)
<b>Chlorine</b>	365	0.30 min. 1.22max.

*NOTE: For continuous monitors use 8760 as the number of samples.*

*NOTE: Record the unit of measure if it is **not** milligrams per litre.*

**Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.**

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
n/a	n/a	n/a	n/a	n/a

**Summary of Inorganic parameters tested during this reporting period or the most recent sample results**

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony				
Arsenic				
Barium				
Boron				
Cadmium				
Chromium				
*Lead	Jan.28/08	0.16	ug/L	NO
Mercury				
Selenium				
Sodium				
Uranium				
Fluoride				
Nitrite				
Nitrate				

\*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems

**Summary of lead testing under Schedule 15.1 during this reporting period**

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems and non-municipal year-round residential systems)

Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Number of Exceedances
Plumbing	40	0.11ug/L-1.16ug/L	NO
Distribution	11	0.02ug/L-4.25ug/L	NO
Non-residential	4	0.05ug/L-0.25ug/L	NO

**Summary of Organic parameters sampled during this reporting period or the most recent sample results**

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor				
Aldicarb				
Aldrin + Dieldrin				
Atrazine + N-dealkylated metabolites				
Azinphos-methyl				
Bendiocarb				
Benzene				
Benzo(a)pyrene				
Bromoxynil				



Carbaryl				
Carbofuran				
Carbon Tetrachloride				
Chlordane (Total)				
Chlorpyrifos				
Cyanazine				
Diazinon				
Dicamba				
1,2-Dichlorobenzene				
1,4-Dichlorobenzene				
Dichlorodiphenyltrichloroethane (DDT) + metabolites				
1,2-Dichloroethane				
1,1-Dichloroethylene (vinylidene chloride)				
Dichloromethane				
2-4 Dichlorophenol				
2,4-Dichlorophenoxy acetic acid (2,4-D)				
Diclofop-methyl				
Dimethoate				
Dinoseb				
Diquat				
Diuron				
Glyphosate				
Heptachlor + Heptachlor Epoxide				
Lindane (Total)				
Malathion				
Methoxychlor				
Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				
Parathion				
Pentachlorophenol				
Phorate				
Picloram				
Polychlorinated Biphenyls(PCB)				
Prometryne				
Simazine				
THM (NOTE: show latest annual average)	Jan.28/08	30 ug/L	ug/L	No
	Apr.21/08	25 ug/L	ug/L	No
Annual average 26.25ug/L	Jul.14/08	35 ug/L	ug/L	No
	Oct.14/08	30 ug/L	ug/L	No
Temphos				
Terbufos				



Tetrachloroethylene				
2,3,4,6-Tetrachlorophenol				
Triallate				
Trichloroethylene				
2,4,6-Trichlorophenol				
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)				
Trifluralin				
Vinyl Chloride				

**List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.**

Parameter	Result Value	Unit of Measure	Date of Sample
n/a	n/a	n/a	n/a