



Drinking-Water System Number:	260002136	
Drinking-Water System Name:	Aylmer Distribution System	
Drinking-Water System Owner:	Corporation of the Town of Aylmer	
Drinking-Water System Category:	Water Distribution -Large Municipal Residential	
Period being reported:	January 1, 2008 to December 31, 2008	

<p><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></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>The Town of Aylmer 46 Talbot Street West Aylmer, Ontario N5H 1J7 http://www.aylmer.ca/</p> </div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px 0;"></div> </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: <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px 0;"></div></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
Malahide Distribution System -Dingle Street -Talbot Street East	#260004774

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 - notices in water bills

Describe your Drinking-Water System

Treated water is supplied to the Town of Aylmer from the Elgin Water Treatment Plant via the Elgin Area Primary Water Supply System, the Elgin- Middlesex Reservoir, and the Aylmer Secondary System. When required, two pumps, located at the Elgin-Middlesex Pumping Station in St. Thomas, pump water to Aylmer through a 450 mm dia. secondary transmission main (the Aylmer Secondary System). The main leaves the Pumping Station and proceeds along the north side of Hwy #3, through the Municipality of Central Elgin and Malahide Township until it connects to the Aylmer Distribution System at Bodkin Ave. Depending on system pressure and demand, the Secondary System may be used to directly feed the Distribution System or may be used to fill a 4,300 m³ standpipe located at 23 Myrtle Street. There is a continuous chlorine monitor, a tower level indicator and pressure sensor located at the standpipe.

The Aylmer Distribution System consists of approximately 42 kilometers of water main of varying sizes (50 mm to 450mm) and types (cast iron, ductile iron, C900 plastic, transite). There are nine meter chambers, 190 fire hydrants and approximately 340 street valves within the system.

List all water treatment chemicals used over this reporting period

Sodium hypochlorite (12%) used to disinfect new watermain installed on Caverly Road and South Street West. Sodium hypochlorite (12%) also used to disinfect repair parts for two main breaks on Talbot St W.

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

<p>Hydrant maintenance/overhauls - \$19,746.91 Inspection of standpipe roof components - \$3,175.00 Water main replacement on Caverly Rd from Talbot St W to South St W Water main replacement on South St W from St Andrew St to Park St</p>
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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
April 3/08	Lead	13.4	ug/l	Flush/ resample	Apr 11/12
Sept 4/08	Lead	10.8	ug/l	Flush/ resample	Sept 11/12
Oct 20/08	Total coliform	1	cfu/100 ml	Flush/resample	Oct 21/22

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 #)
Raw					
Treated					
Distribution	266	0	0-1	106	<10 to >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 #)
Turbidity		
Chlorine	Grab:266 CL17:876 0	0.44 to 1.24 mg/l 0.29 to 1.97 mg/l Note: CL17 recorded monthly readings of 0.00 when reagent is changed monthly

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



Fluoride (If the DWS provides fluoridation)		
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*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

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				
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 (ug/l) (min#) – (max #)	Number of Exceedances
Plumbing	80	0.12 – 10.8	1
Distribution	60	0.02<MDL – 13.4	1



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)	2008	27.5	ug/L	no
Temephos				
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