



Annual Report

Drinking-Water System Number:	260002136
Drinking-Water System Name:	Aylmer Distribution System
Drinking-Water System Owner:	The Corporation of the Town of Aylmer
Drinking-Water System Category:	Large Municipal
Period being reported:	January 1, 2015 to December 31, 2015

<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 Aylmer Distribution System Annual Report required under O. Reg. 170/03 Schedule 11 will be available for viewing inspection.</p> <table border="1" style="width: 100%;"> <tr> <td>Town of Aylmer</td> </tr> <tr> <td>46 Talbot St W</td> </tr> <tr> <td>Aylmer, Ontario</td> </tr> <tr> <td>N5H 1J7</td> </tr> </table>	Town of Aylmer	46 Talbot St W	Aylmer, Ontario	N5H 1J7	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served:</p> <table border="1" style="width: 100%;"> <tr> <td style="height: 20px;"></td> </tr> </table> <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:</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 100px; height: 20px;"></td> </tr> </table> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [] No []</p>		
Town of Aylmer							
46 Talbot St W							
Aylmer, Ontario							
N5H 1J7							

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 _____

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, DR-18 plastic, transite). There are nine meter chambers, 206 fire hydrants and approximately 350 street valves within the system.

List all water treatment chemicals used over this reporting period

Sodium hypochlorite 12% was used to disinfect tools and repair parts for main breaks on Talbot St W and Elk St, and service leaks on Talbot St E, Oak St, and Queen St.



Empty rectangular box

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

Water main work – John St S/Caverly Road.....	\$1,797,241.61
Standpipe cable tray.....	\$13,560.00
Meter replacement (75).....	\$7387.50

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

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	259	0	0	104	<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 #)	Unit of Measure	NOTE: For continuous monitors use 8760 as the number of samples.
Turbidity				
Chlorine	259 grab 8760 at CL17	0.65 to 1.19 0.00 to 2.00	mg/L mg/L	
Fluoride (If the DWS provides fluoridation)				

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 (min#) – (max #)	Unit of Measure	Number of Exceedances
Plumbing				
Distribution	16	0.02 to 0.54	ug/L	0

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)	Average 2015	27.25	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