



ANNUAL REPORT

Drinking-Water System Number:	260094627
Drinking-Water System Name:	West Elgin Distribution System
Drinking-Water System Owner:	Corporation of the Municipality of West Elgin
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1 st to December 31 st , 2018

<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; margin-top: 10px;"> <p>West Elgin Municipal Office 22413 Hoskins Line Rodney, ON N0L 2C0</p> </div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: <input style="width: 100px; height: 20px;" 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 style="width: 100px; height: 20px;" 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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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
Southwest Middlesex Distribution System	260005502

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 [] N/A []



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 West Elgin Distribution System receives water from the Tri-County Drinking Water System. The West Elgin Distribution System services West Lorne, Rodney and rural areas of West Elgin. The distribution system contains a network of watermains along with a water tower located in Rodney with re-chlorination. There are sample stations, hydrants, blow offs and auto flushers located throughout the municipality for monitoring the system.

The West Elgin Distribution System provides water to the Southwest Middlesex Distribution system. As well can provide emergency connection to the Southwest Middlesex Distribution System through an interconnect at the 401 overpass. As well, the system supplies water to the Dutton Dunwich Distribution System via Pioneer Line.

List all water treatment chemicals used over this reporting period

Sodium Hypochlorite 12%

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

- Watermain and service repairs
- Autoflusher repairs
- Hydrant repairs and replacement
- Valve repairs
- Re-chlorination station installation at Rodney Tower
- Installed an additional Chlorine analyzer at Rodney Tower

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
2018-08-13	Total Coliform	4	cfu/100mL	Resample	2018-08-20

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

	No. of Samples Collected for period being reported	Range of E.Coli Results (cfu/100mL)		Range of Total Coliform Results (cfu/100mL)		Number of HPC Samples	Range of HPC Results (cfu/mL)	
		Minimum #	Maximum #	Minimum #	Maximum #		Minimum #	Maximum #
Distribution	208	0	0	0	4	110	<10	810

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

	No. of Samples Collected for period being reported	Range of Results	
		Minimum	Maximum
Free Chlorine Residual (mg/L)	676	0.30	1.75

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

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
n/a	n/a	n/a	n/a	n/a

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 Results		MAC (ug/L)	Number of Exceedances
		Minimum	Maximum		
Distribution - Lead Results (ug/L)	6	0.01	0.65	10	0
Distribution - Alkalinity (mg/L)	6	90	99	n/a	n/a
Distribution - pH	6	7.82	8.45	n/a	n/a

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

	Sample Date (mm/dd/yyyy)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Trihalomethane: Total (ug/L)	Running Average	58.75	100.00	No	Yes
Haloacetic Acid: Total (ug/L)	Running Average	20.68	n/a	n/a	n/a

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
THMs	58.75	µg/L	Running Average