



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

**Annual Summary Report
For the
West Elgin Distribution System
2018**

Prepared for the Municipality of West Elgin

By the Ontario Clean Water Agency

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SECTION 1: Overview

This summary report for the West Elgin Distribution System is published in accordance with Schedule 22 of Ontario's Drinking Water Systems Regulation for the reporting period of January 1st to December 31st, 2018. The West Elgin DS is categorized as a Large Municipal Residential Drinking Water System.

The West Elgin DS was separated from the Tri-County Drinking Water System August 31st, 2014 and was issued its own water works number.

The West Elgin DS operated in accordance with the Municipal Drinking Water Licence 304-101 and Drinking Water Works Permit 304-201.

This report was prepared by The Ontario Clean Water Agency on behalf of the Municipality of West Elgin and must be supplied to the West Elgin Municipal Council by March 31, 2019.

SECTION 2: Compliance

The West Elgin DS was operated and maintained in such a manner that treated water supplied to the consumers serviced by the system satisfied all the requirements in the Safe Drinking Water Act, the Regulations, the Municipal Drinking Water License and the Drinking Water Works Permit.

The routine MECP inspection was conducted on October 17, 2018 by Angela Stroyberg. The inspection covered off the following topics: Treatment Processes, distribution system, operations manuals, logbooks, certification and training, water quality monitoring, reporting and corrective actions and treatment process monitoring. The inspection is then assigned a rating based on risk, this inspection report identified no non-compliances and as such received a final inspection rating of 100%.

June 28, 2018 a Category 2 watermain break was reported to the Health Unit.

An AWQI was reported for a sample taken on August 13, 2018 having 4cfu/100mL for total Coliforms.

SECTION 3: Corrective Action

June 28, 2018 a Category 2 watermain break was reported to the Health Unit, Sampling was conducted after the repair, no issues with sample results.

An AWQI was reported for a sample taken on August 13, 2018 having 4cfu/100mL for total Coliforms. Resamples were taken and received back with 0 Total Coliforms. All reporting was completed as required to the Spills Action Centre and Medical Officer of Health.

SECTION 4: Summary and Discussion of Quantity of Water Supplied

In accordance with Schedule 22-2(3) find a summary and discussion of the quantity of water supplied during the reporting period. There are no rated capacities specified in the MDWL or DWWP.

The West Elgin Distribution System is supplied from the Tri-County Drinking Water System, West Lorne Train. The flow is metered as it leaves the plant, the volume supplied in 2018 was 945,715 m³. This flow is distributed to the following distribution systems:

- West Elgin Distribution System
- Southwest Middlesex Distribution System
- Dutton Dunwich Distribution System
- Newbury Distribution System
- Bothwell Distribution System

There are various meters to monitor flow to and through the West Elgin Distribution System and the other distribution systems that are supplied. Attached as Appendix A, find a summary of the various flow meters throughout the distribution system.

APPENDIX A

Monthly flow meter volumes throughout the distribution system.

	West Lorne Train WTP (m³)	West Elgin North (m³)	Pioneer Line (m³)	Marsh Line (m³)	Silver Clay Line (m³)	Eagle West (m³)
January	69,047	9,885	967	1,410	1,892	5,984
February	61,713	5,611	760	2,557	2,586	8,383
March	65,594	6,774	0	1,936	2,699	12,720
April	81,685	14,004	1,576	2,157	2,576	6,928
May	82,158	8,034	1,118	1,117	2,469	13,672
June	87,429	7,186	359	0	1,582	13,154
July	93,109	6,533	2,483	3,546	3,761	13,374
August	74,752	9,187	2,200	3,132	4,140	15,424
September	90,483	10,294	2,675	4,483	3,785	9,860
October	104,122	11,211	6,910	11,693	6,132	10,154
November	66,163	12,904	1,367	2,447	3,069	10,591
December	69,460	12,276	984	2,037	2,738	10,091
Total	945,715	113,896	21,398	36,515	37,429	130,332