



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

February 20, 2024

Magda Badura [mbadura@westelgin.net](mailto:mbadura@westelgin.net)  
Corporation of the Municipality of West Elgin  
22413 Hoskins Line  
Rodney, ON N0L 2C0

**Re: Requirement under the Safe Drinking Water Act for a Summary Report**

Dear Ms. Badura

Attached is the 2023 Summary Report for the West Elgin Distribution System for January 1<sup>st</sup> to December 31<sup>st</sup>, 2023. This report is completed in accordance with Schedule 22 of O. Reg. 170/03, under the Safe Drinking Water Act.

This Summary Report is to be provided to the members of the West Elgin Municipal Council. Please ensure this distribution by March 31, 2024.

Attached is also a copy of the 2023 Annual Report for the West Elgin Distribution System required under Section 11 of O. Reg. 170/03. Section 12 of O. Reg. 170/03, requires both the Summary Report and the Annual Report to be made available for inspection by any member of the public during normal business hours, without charge. The reports should be made available for inspection at the office of the municipality, or at a location that is reasonably convenient to the users of the water system.

Please feel free to contact me should you require any additional information regarding these reports. I can be reached at 519-312-0847.

Sincerely,

A handwritten signature in black ink, appearing to read 'T. Thomson'.

Terri-Lynn Thomson  
Process and Compliance Technician

cc. Terri Towstiuć, Municipality of West Elgin  
Dale LeBritton, OCWA Regional Hub Manager  
Sam Smith, OCWA Senior Operations Manager  
Maegan Garber, OCWA Safety, Process and Compliance Manager



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

**Annual Summary Report  
For the  
West Elgin Distribution System  
2023**

**Prepared for the Municipality of West Elgin**

**By the Ontario Clean Water Agency**

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3	<b>Corrective Actions</b>  Schedule 22-2 (2)(b) For each requirement referred to in section 2 that was not met, specify the duration of the failure and the measures that were taken to correct the failure.	1
4	<b>Flow Summary</b>  Schedule 22-2 (3)  1. A summary of the quantities and flow rates of the water supplied during the period covered by the report  2. A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system’s approval, drinking water works permit or municipal drinking water licence, or if the system is receiving all of its water from another system under an agreement pursuant to subsection 5 (4), to the flow rates specified in the written agreement.	1
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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 1<sup>st</sup> to December 31<sup>st</sup>, 2023. The West Elgin DS is categorized as a Large Municipal Residential Drinking Water System.

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, 2024.

## **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 2022 routine, annual Ministry of the Environment, Conservation and Parks (MECP) inspection was conducted on March 22, 2023 by Provincial Officer Meghan Morgan. The inspection covered the period from Feb 1, 2022 to February 28, 2023.

The 2023 routine, annual MECP inspection was conducted on January 17, 2024 by Provincial Officer Meghan Morgan. The inspection covered the period from Mar 1, 2023 to December 31, 2023. The inspection report has yet to be received.

## **SECTION 3: Corrective Action**

MECP Inspections have an Inspection Rating Record, which evaluates the system to provide information for the owner/operator on areas that need to be improved. This system received 0 out of 259 non-compliance ratings for the 2022 annual inspection and as such received 100% for the Final Inspection Rating.

No corrective actions were required in 2023.

## **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 treatment plant. The total volume supplied from the treatment plant to the distribution system in 2023 was 988,902m<sup>3</sup>. 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.**

	<b>West Lorne Train WTP (m<sup>3</sup>)</b>	<b>West Elgin North (m<sup>3</sup>)</b>	<b>Pioneer Line (m<sup>3</sup>)</b>	<b>Marsh Line (m<sup>3</sup>)</b>	<b>Silver Clay Line (m<sup>3</sup>)</b>	<b>Eagle West (m<sup>3</sup>)</b>
<b>January</b>	69,959	7,700	2,168	3,492	7,103	84
<b>February</b>	62,525	7,836	1,812	3,348	0	196
<b>March</b>	68,465	6,954	2,149	3,829	3,608	9
<b>April</b>	75,149	12,977	2,019	3,913	0	1
<b>May</b>	86,144	11,599	2,516	4,751	0	0
<b>June</b>	90,095	7,573	3,211	5,669	0	0
<b>July</b>	95,901	9,293	6,120	9,695	6,416	36,569
<b>August</b>	88,717	6,606	6,017	9,439	5,864	97
<b>September</b>	87,595	9,507	5,623	10,581	5,512	75
<b>October</b>	87,442	8,900	3,803	16,226	5,696	32
<b>November</b>	77,634	11,745	1,677	13,685	0	1
<b>December</b>	99,275	20,019	3,711	12,665	4,993	9
<b>Total</b>	<b>988,902</b>	<b>120,709</b>	<b>40,825</b>	<b>97,293</b>	<b>39,190</b>	<b>37,074</b>

**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 <sup>st</sup> to December 31 <sup>st</sup> , 2023

<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>West Elgin Municipal Office 22413 Hoskins Line Rodney, ON N0L 2C0</p> </div>	<p><b><u>Complete for all other Categories</u></b></p> <p>Number of Designated Facilities served:  <div style="border: 1px solid black; padding: 2px; width: 100px; text-align: center;">n/a</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; padding: 2px; width: 100px; text-align: center;">n/a</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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List all Drinking Water Systems (if any), which receive all 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 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 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/replacement  
 -Autoflusher repairs  
 -Hydrant repairs  
 -Watermain Commissioning

**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
n/a	n/a	n/a	n/a	n/a	n/a

**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 Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Distribution	209	0-0	0-0	105	<10-120

**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
Chlorine	364	0.32-1.68	mg/L

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)	0	n/a	n/a	n/a	n/a
Distribution - Alkalinity (mg/L)	6	94	98	n/a	n/a
Distribution - pH	6	6.92	7.85	n/a	n/a

\*Lead testing done every 3 years with alkalinity and pH completed every year

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
HAAs	2023	23	ug/L	No
THMs	2023	54.5	ug/L	No

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
THM's	54.5	ug/L	2023