

February 28, 2022

Magda Badura 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 2021 Summary Report for the West Elgin Distribution System for January 1st to December 31st, 2021. 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, 2022.

Attached is also a copy of the 2021 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 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,



Terri-Lynn Thomson
Process and Compliance Technician

cc. Dale LeBritton, OCWA Regional Hub Manager
Sam Smith, OCWA Senior Operations Manager
Cindy Sigurdson, OCWA Safety, Process and Compliance Manager



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

**Annual Summary Report
For the
West Elgin Distribution System
2021**

Prepared for the Municipality of West Elgin

By the Ontario Clean Water Agency

Table of Contents

Section Number	Contents	Page Number
1	Overview of System	1
2	Compliance with Regulations Schedule 22-2 (2)(a) List the requirements of the Act, the regulations, the system’s approval, drinking water works permit, municipal drinking water licence, and any orders applicable to the system that were not met at any time during the period covered by the report	1
3	Corrective Actions 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	Flow Summary 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.	2
APPENDICES		
APPENDIX A	Distribution flows for January 1, 2021 to December 31, 2021	

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, 2021. 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, 2022.

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 February 24, 2021 by Angela Stroyberg. The inspection covered off the following topics: Treatment Processes, 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 one non-compliance and as such received a final inspection rating of 98.53%.

Below is the non-compliance as listed in the inspection report:

1. Logbooks were not properly maintained and/or did not contain the required information. Ontario Regulation 128/04 s.27(5) states that an operator-in-charge or a person authorized by an operator-in-charge or a person authorized by an operator-in-charge shall record the following information in the logs or other recordkeeping mechanisms in respect of each operating shift: Any unusual or abnormal conditions that were observed in the subsystem during the shift, any action that was taken and any conclusions drawn from the observations. At the time of the inspection that the Owner/Operating Authority utilized two (2) process chlorine analyzers at the Rodney Tower to monitor the free chlorine residuals. Online data submitted for the inspection review period indicated that on March 29, 2020, both process analyzers at the tower had a readout of 0.00 mg/L. A review of the facility logbooks indicated that no explanation was given for the 0.00 mg/L readout. The Owner/Operating Authority are reminded that even though process analyzers are not required to meet the standards of Schedule 6 of O. Reg 170/03, process analyzers are required to meet the standards under Schedule 16 of O. Reg 170/03 and therefore require action if a process analyzer indicates a possible adverse. Discussions with the Owner/Operating Authority indicated that a communication issue occurred at the Tri-County Water Treatment Plant that resulted in a loss of SCADA records on March 29, 2020 for the West Elgin Distribution System.

SECTION 3: Corrective Action

Response to the non-compliance identified in the MECP Inspection report for not providing details in the facility logbook for loss of data of the process analyzer at the Rodney Tower:

A non-compliance was reported for the Tri-County Water Treatment plant where the Issue originated and logged into the Tri-County facility logbook. Going forward Tri-County Operators are to notify West Elgin Operators when issues are identified at the tower on the SCADA so it can be recorded in the West Elgin logbook.

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 2021 was 1,072,825m³. 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	79,393	10,252	354	13,801	5,479	1,002
February	71,170	6,014	404	12,467	4,949	907
March	75,794	6,792	551	14,170	5,479	884
April	88,874	14,200	1,062	16,445	4,258	676
May	105,473	8,744	1,199	18,617	7,156	487
June	104,872	8,159	1,269	18,508	821	83
July	100,106	8,455	2,006	19,422	5,444	24
August	100,362	9,165	2,451	20,525	4,876	9
September	94,327	10,142	1,755	17,757	4,191	9
October	91,074	7,923	1,819	18,126	4,160	393
November	79,338	7,716	1,574	15,311	3,471	716
December	82,042	11,275	1,327	14,906	3,249	2,543
Total	1,072,825	108,837	15,771	200,055	53,534	7,731