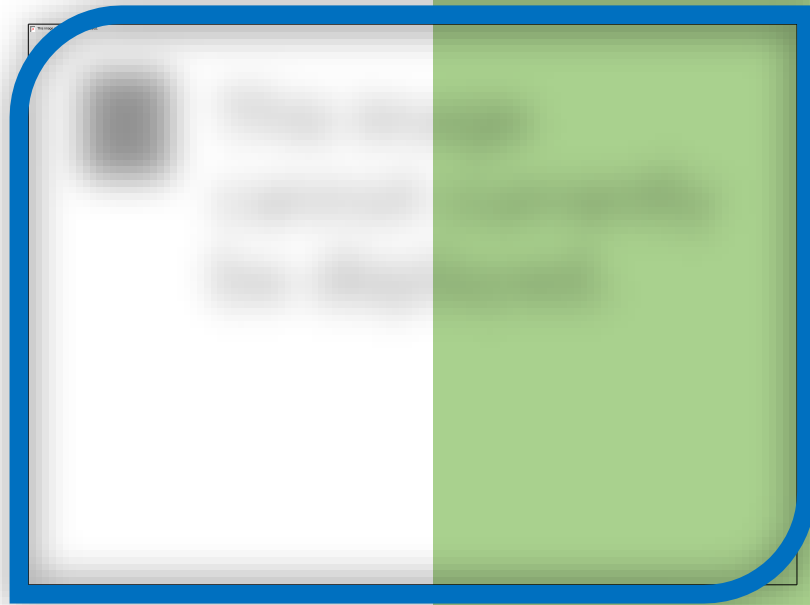




EDWARDSBURGH CARDINAL

2024

Industrial Park Water System Summary Report



Prepared by: Eric Wemerman
Prepared For: CAO & Council
1/20/2025



Introduction

Schedule 22 of Ontario Regulation 170/03 mandates the preparation and submission of summary reports to council members by March 31st annually. These reports must detail any unmet requirements of the Act, Regulations, Permits, licenses, or orders, along with the corrective actions undertaken to address these deficiencies. Furthermore, the reports must include a summary of flow rates and quantities in relation to the approved capacities, enabling an evaluation of the system's ability to accommodate both current and future uses.

Potable drinking water is provided to the distribution system by the Corporation of the Town of Prescott. An agreement regarding water supply exists between Edwardsburgh/Cardinal and the Town of Prescott, established under By-law # 54-2016 of the Corporation of the Town of Prescott. The Town of Prescott is relied upon for the delivery of safe drinking water to the Industrial Park Water Distribution System.

The distribution system provides potable water to the following users - 29 residential and 13 commercial/industrial. The piping age ranges from seven to thirty-five years with diameter sizes spanning 150mm to 450mm. The piping material consists of cast iron, PVC and HDPE.

The system has 13 hydrants and four sampling locations for measuring chlorine residual. The four sampling locations are listed below:

- Reilly Street South Sampling Station
- Reilly Street North Sampling Station
- 137 Commerce Drive - Prysmian Cable
- 141 Commerce Drive - Greenfield Ethanol

Executive Summary

In 2024 the average monthly water consumption was 3668 m³ for the Industrial Park Water System. The maximum monthly water consumption was 5400 m³. Total water consumption for 2024 decreased by 15.2% compared to 2023. There were no water main breaks or adverse water quality incidents for the reporting year. Monitoring data, maintenance activities and customer complaints are summarized in this report.

Common Acronyms

MECP: Ministry of Environment, Conservation, Parks

DWQMS: Drinking Water Quality Management System

PVC: Poly Vinyl Chloride

HDPE: High-density polyethylene

[Table of Contents](#)

<u>Title</u>	<u>Page</u>
Introduction	1
Executive Summary	2
Table of Contents	3
Staffing & Licensing	4
Failure to meet Acts, Regulations & Approvals	4
Tabulation of Monitoring Data	5
Summary of Maintenance	6
Capital Projects	6
Adverse Water Quality Incidents	6
Drinking Water Quality Management System Review Summary	7
System Incidents/Complaints	7

Staffing and Licensing

The table below lists the licensed operational staff at the end of the 2024 calendar year.

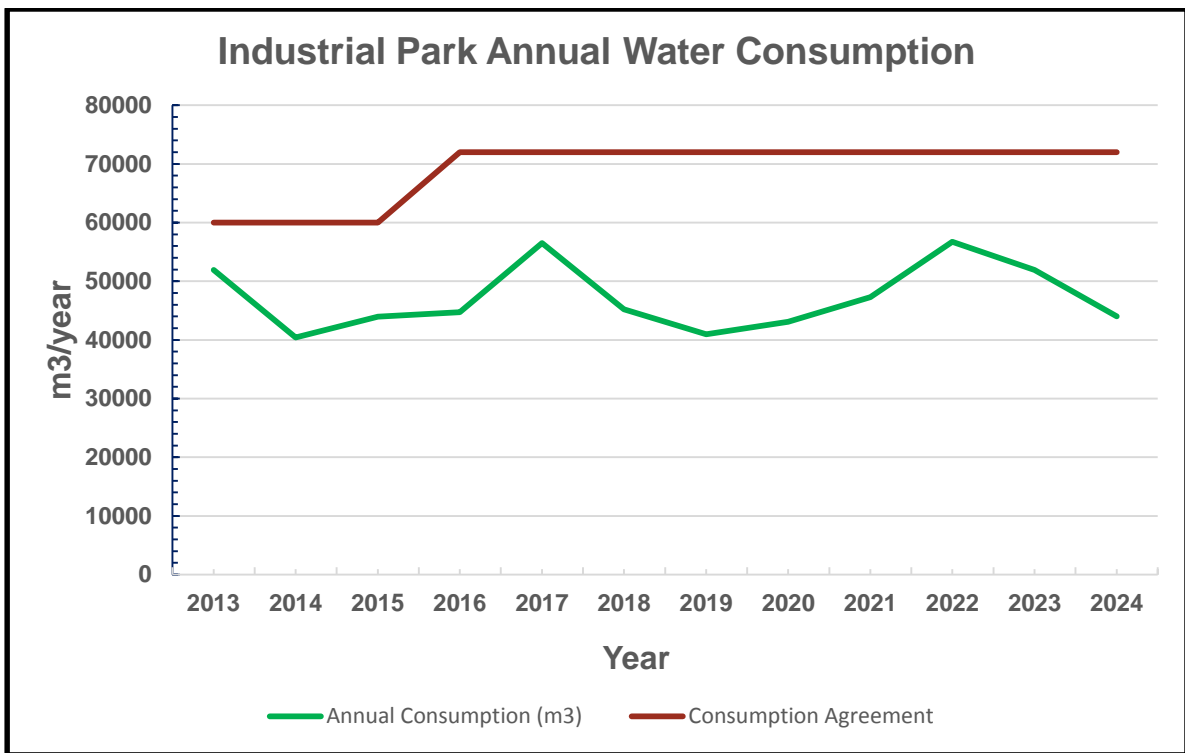
Name	Position	Licence #	Type	Class
Eric Wemerman	Chief Operator/ORO	61726	WT	II
		78182	WD	II
Aaron Campbell	Assistant Chief Operator	91541	WT	II
		95696	WD	II
Stephen Campbell	Operator	54771	WT	II
		73567	WD	II
Mark Simzer	Operator	93001	WT	II
		104867	WD	II
Tyler Selleck	Operator	113843	WT	II
			WD	II
Jarrett Crich	Operator in Training	OT126390	WT	OIT
		OT126391	WD	OIT

Failure to meet the Act, Regulations, System Approvals or Orders

The MECP conducted a detailed inspection of the Industrial Park Water System on July 23, 2024. The inspection found no areas of non-compliance with regulatory requirements or recommended best practices.

Tabulation of Monitoring Data

The stand-alone distribution system does not require a Permit to Take Water since it receives all its water from the Town of Prescott. The quantity of monthly water taking is set by an agreement between Corporation of the Township of Edwardsburgh Cardinal and the Corporation of the Town of Prescott. The total water consumed in 2024 was 44,010 cubic meters compared to 51,900 cubic meters in 2023, a decrease of approximately 15.2%.



Drinking Water Quality Management System Activity Summary

The following DWQMS reviews were completed in 2024.

<u>Date Completed</u>	<u>DWQMS Element</u>	<u>Review</u>
January 11, 15, 17, 18, 2024	19	Internal Audit
January 17, 2024	7-8	Risk Assessment
March 6, 2024	14-15	Infrastructure
May 30, 2024	18	Emergency Table Top Exercise
June 5, 2024	19	NSF 3 rd Party Audit
October 28, 2024	20	Management Review

System Incidents/Complaints

<u>Incident/Complaint</u>	<u>Frequency</u>	<u>Corrective Action</u>
None	-	-