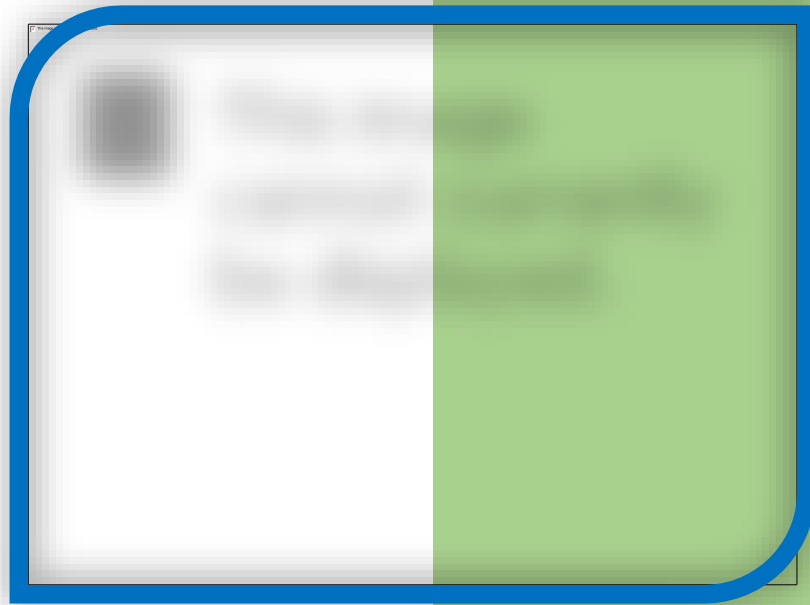




EDWARDSBURGH CARDINAL

2022

Industrial Park Water System Summary Report



Prepared by: Eric Wemerman
Prepared For: CAO & Council
1/17/2023

Introduction

Schedule 22 of Ontario Regulation 170/03 requires that summary reports are prepared and given to members of council by March 31st of each year. The report must include any requirements of the Act, Regulations, Permits, licenses, or orders not met and the actions taken to correct the deficiency. In addition, a summary of flow rates and quantities compared to the approved capacities are provided to assess the capability of the system to meet existing and planned uses of the system.

Potable drinking water is supplied to the distribution system from the Corporation of the Town of Prescott. There is a water supply agreement between Edwardsburgh/Cardinal and the Town of Prescott made under the Corporation of the Town of Prescott By-law # 54-2016. The Town of Prescott is relied upon to ensure the provision of safe drinking water to the Industrial Park Water Distribution System.

The distribution system provides potable water to the following users - 27 residential and 13 commercial/industrial. The piping age ranges from sixteen to thirty-four 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 maintaining 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 2022 the average monthly water consumption was 4728 m³ for the Industrial Park Water System. The maximum monthly water consumption was 8670 m³. Total water consumption for 2022 increased by 20% compared to 2021. The increase in water consumption is due to higher industrial demand. 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

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Staffing and Licensing

The table below lists the licensed operational staff at the end of the 2022 calendar year.

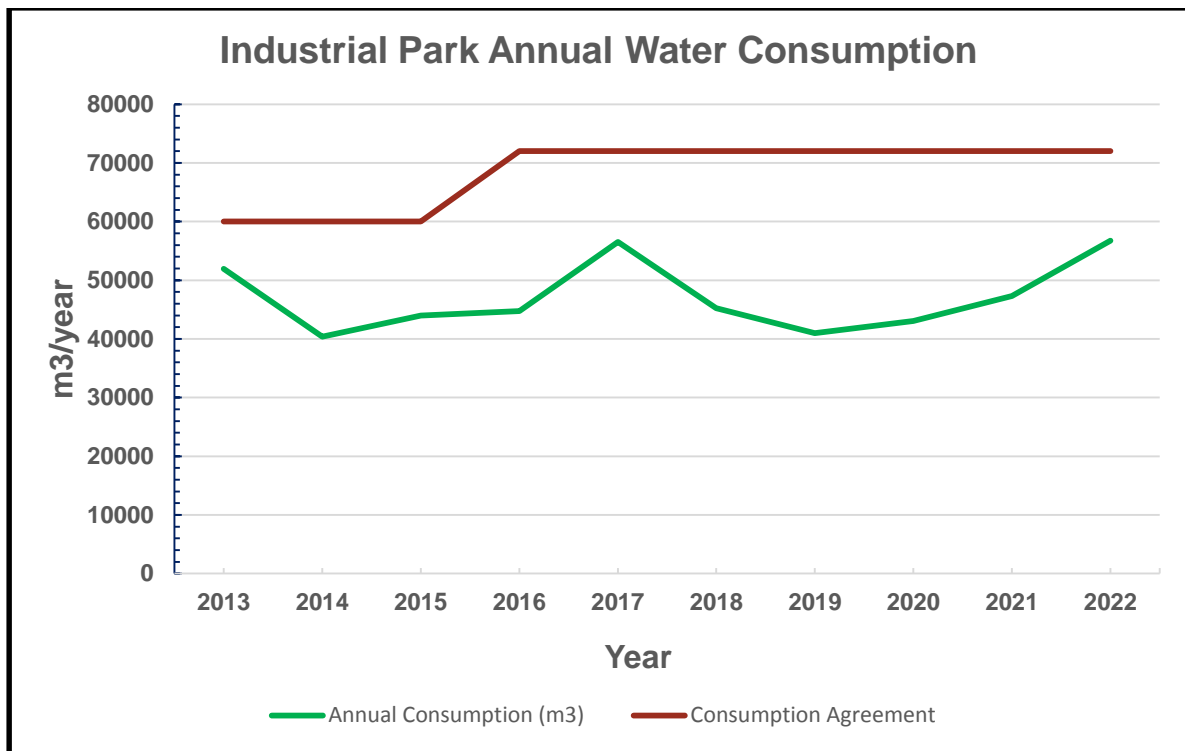
Name	Position	Licence #	Type	Class
Eric Wemerman	Chief Operator/ORO	61726	WT	II
		78182	WD	II
Aaron Campbell	Assistant Chief Operator	91541	WT	II
		95696	WD	II
Stephen Campbell	Operator	54771	WT	II
		73567	WD	II
Mark Simzer	Operator	93001	WT	II
		104867	WD	II
Tyler Selleck	Operator	113843	WT	I
Gordon Shaw	Director of Operations	58943	WT	III
		77743	WDS	II
Wayne Lefebvre	Public Works Operator	17952	WD	I

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

The MECP conducted a focused inspection of the Industrial Park Water System on November 10th, 2022. 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 2022 was 56,730 cubic meters compared to 47300 cubic meters in 2021, an increase of 20%.



Summary of Maintenance

<u>Service Provider</u>	<u>System Component</u>	<u>Activity</u>
Environmental Services	Chlorine Analyzer	Monthly calibrations.
Environmental Services	Fire Hydrants & Valves	Semi-annual flushing.
Stelem	Fire Hydrant	Repaired one fire hydrant.
Morrisburg Plumbing	Water meters	Serviced two water meters.
Falcon Security	Alarm Communication System	Installed DCS alarm communicator.

Adverse Water Quality Incidents

The following Adverse Water Quality Incidents occurred in the Industrial Park Water System in 2022.

<u>Date</u>	<u>AWQI</u>	<u>Parameter</u>	<u>Standard (mg/L)</u>	<u>Result (mg/L)</u>	<u>Corrective Action</u>	<u>Completion Date</u>
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Drinking Water Quality Management System Activity Summary

The following DWQMS reviews were completed in 2022.

<u>Date Completed</u>	<u>DWQMS Element</u>	<u>Review</u>
January 25-26, 2022	19	Internal Audit
January 25, 2022	7-8	Risk Assessment
February 24, 2022	18	Emergency Table Top
March 30, 2022	14-15	Infrastructure
June 28, 2022	19	NSF 3 rd Party Audit
September 12, 2022	20	Management Review

System Incidents/Complaints

<u>Complaint</u>	<u>Frequency</u>	<u>Corrective Action</u>
Curb Stop too high	1	Lowered Curb Stop