



The Town of Merrickville-Wolford

2024 Section 11 Annual Report and
Schedule 22 Annual Summary Report
Merrickville-Wolford treatment facilities



Definitions and Acronyms

Acronym	Definition	Acronym	Definition
MAC	Maximum Acceptable Concentrate	PTTW	Permit To Take Water
AWQI	Adverse Water Quality Incident	MDWL	Municipal Drinking Water Licence
O. Reg.	Ontario Regulation	BWA	Boil Water Advisory
CT	Concentration of Chlorine x Time of Contact	m3	Cubic Meter
NTU	nephelometric turbidity units		

Municipal Drinking Water System - Annual Reports

- In Ontario, O. Reg. 170/03 of the Safe Drinking Water Act (SDWA), requires an Annual Report be prepared for each drinking water system.
- This Report is intended to inform both the public and Municipal Council about the operation of the drinking water system over the previous calendar year



Ministry Inspection Rating

- The Merrickville-Wolford water system was inspected by Ministry of Environment, Conservation and Parks May 22nd, 2024.
- The Final Inspection Rating- **100%**



Municipal Drinking Water System - Annual Reports

Section 11 of O. Reg. 170/03 requires the development and distribution to the public of an annual report summarizing water quality monitoring results, adverse water quality incidents, system expenses and chemicals used in the water treatment process.

Section 11 summarizes the “quality” of the treated water

Section 11 – Annual Reports

Chemicals Used in the Water Treatment Process

Merrickville-Wolford well system

- Sodium Hypochlorite is used as a Disinfectant



Section 11 – Annual Reports

Major System Expenses

Merrickville-Wolford Wells	Merrickville-Wolford Distribution
Well #4 SCADA Integration	Client Project-New Water Meter Replacement Program- 380
New Pressure Pump and Suction Pipe Replacement	Client Project- Parkview Homes and Lewis St. Homes
Clear well Cleaning and Inspection	Hydrant Replacement
Generator Maintenance and Repairs	SAI Global DWQMS Audit
New Treated Water Chlorine Analyzer	Distribution Maintenance- Hydrant Rebuilds, Curb Stop Repairs, and

Section 11 – Annual Reports

Reported Adverse Water Quality Incidents

Merrickville Wolford

- There was 1 adverse water quality incident during the reporting period
- July 24, 2024 - A bacterial sample taken by Operators had three Total Coliforms at 305 St. Lawrence St. The Limit for Total Coliforms is Zero. MECP and MOH were notified. Operators resampled as directed and the results came back clear of any bacteria. Operations reviewed sampling protocol to help reduce possible sample contamination.

Municipal Drinking Water System - Annual Reports

Schedule 22 of O. Reg. 170/03 requires the development and distribution to Council of an annual report summarizing incidents of regulatory non-compliance and associated corrective actions, in addition to providing flow monitoring results for the purpose of enabling the Owner to assess the capability of the system to meet existing and planned demand.

Schedule 22 summarizes the “quantity” of the raw and treated water

Schedule 22 Summary Report

Daily Flow Rates

Raw Water

- Average Daily Volume vs. Permit to Take Water
- Maximum Daily Volume vs. PTTW

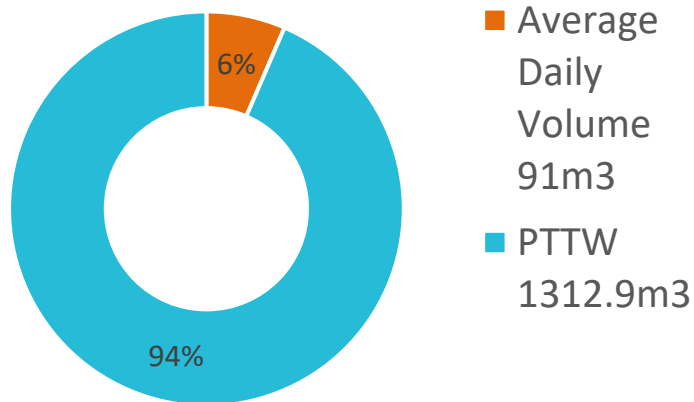
Treated Water

- Average Daily Volume vs. Municipal Drinking Water Licence
- Maximum Daily Volume vs. MDWL

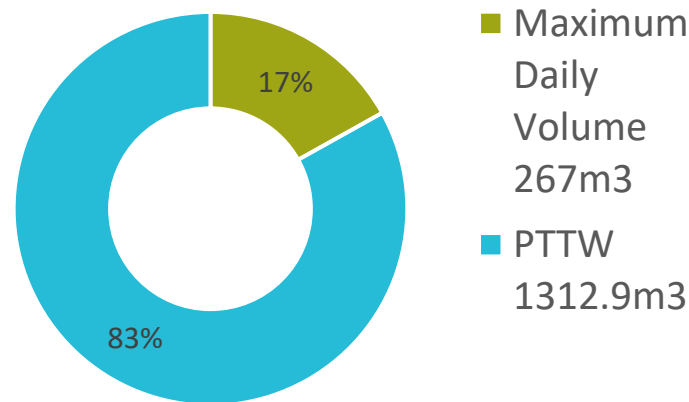


Raw Water Flow Rates–Merrickville-Wolford Well 1

Average Daily Volume

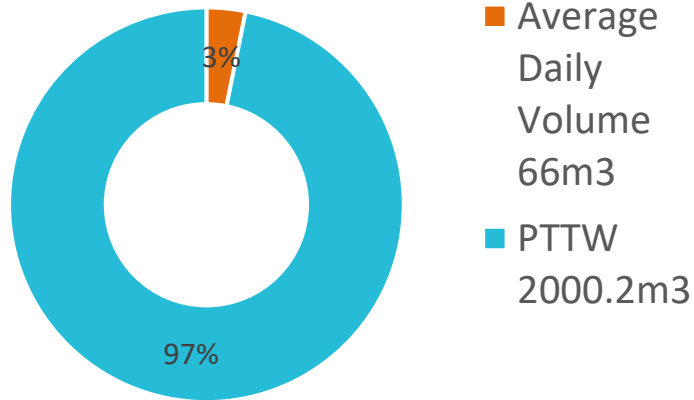


Maximum Daily Volume

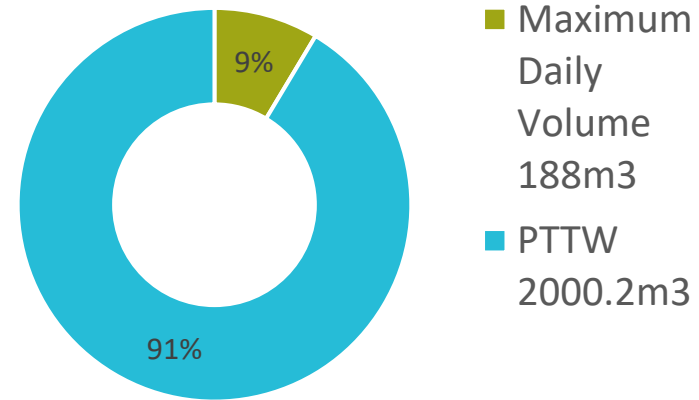


Raw Water Flow Rates–Merrickville-Wolford Well 2

Average Daily Volume

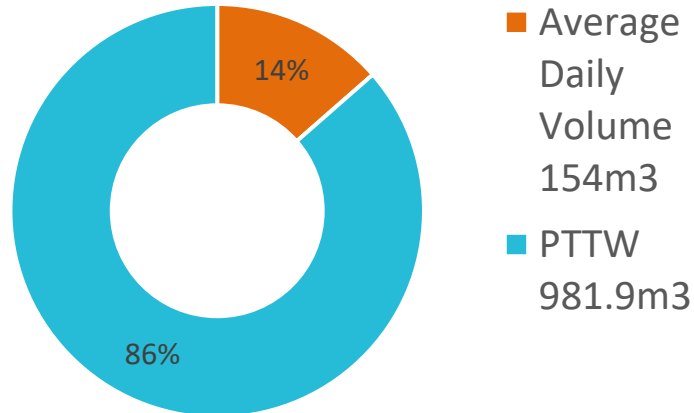


Maximum Daily Volume

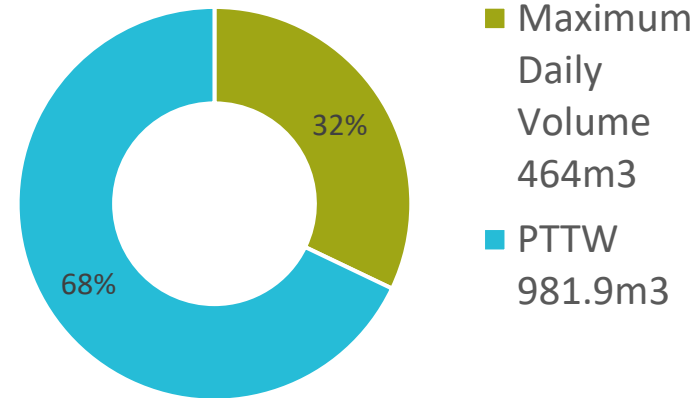


Raw Water Flow Rates–Merrickville-Wolford Well 4

Average Daily Volume

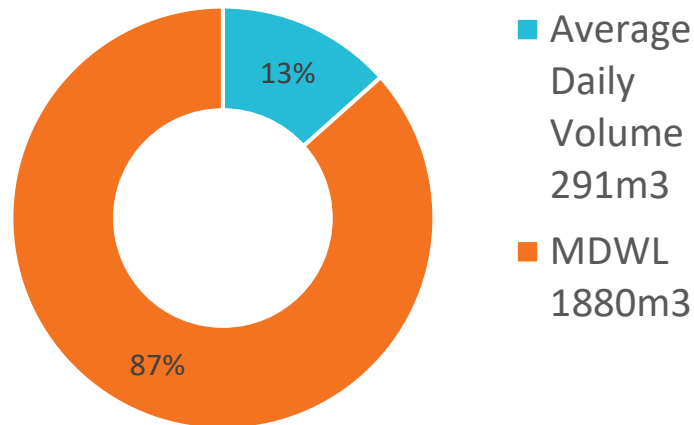


Maximum Daily Volume

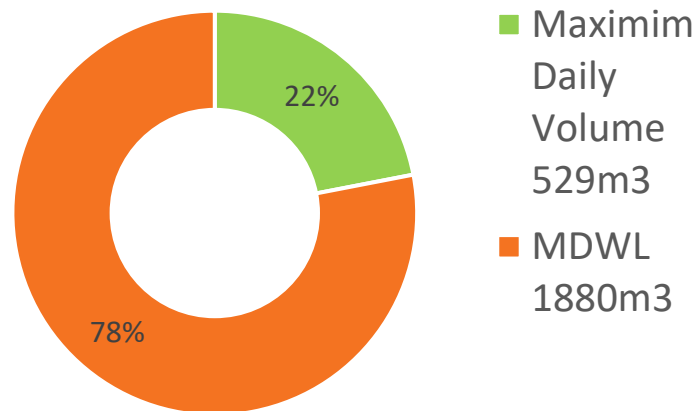


Treated Water Flow Rates – Merrickville Woford

Average Daily Volume



Maximum Daily Volume



Schedule 22 Summary Report

Regulatory Non-Compliance and Corrective Actions

Merrickville-Wolford

- There were no non-compliance issues reported during the reporting period
- There was no non-compliances identified by Ministry inspections.

Thank you

If you have any questions or concerns please reach out to us anytime.

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