



DWQMS Report to Owner

May 21, 2025

Executive Summary

A requirement of the Ontario Drinking Water Quality Management Standard is to complete an annual management review of the Drinking Water Quality Management System. The results of this review are to be conveyed to Top Management and the Owner - Township of Johnson.

The management review meeting held February 12, 2025 and was attended by PUC's Water Operations Director, WTO Supervisors and the Manager of QMS and Compliance.

Executive Summary

- a) Incidents of regulatory non-compliance
- b) Incidents of adverse drinking water tests
- c) Deviations from critical control point limits and response actions
- d) Efficacy of the risk assessment process
- e) Results of audits (internal and external)
- f) Results of relevant emergency response testing
- g) Operational performance
- h) Raw water supply and drinking water quality trends
- i) Follow-up action items from previous management reviews
- j) Status of management action items identified between reviews
- k) Changes that could affect the QMS
- l) Summary of consumer feedback
- m) Resources needed to maintain the QMS
- n) Results of the infrastructure review
- o) Operational Plan currency, content and updates
- p) Summary of staff suggestions
- q) New Business – Other issues that impact on the quality management system
- r) Date of Next Meeting

Compliance to Provincial Regulations:

Annual MECP inspection

- Completed on June 5th 2024 with MECP Inspector Kristy Mitchell
 - Inspection revealed 0 non-compliances and 2 Best Practice recommendations

Adverse Water Quality Incidents:

- Two adverse events occurred in 2024
 - February 21 – Loss of distribution pressure (generator failure during planned outage)
 - May 21– Loss of distribution pressure (main repair – repair completed & re-pressurized & flushed)

Conformance with our Operational Plan:

Internal Audits (PUC):

- 0 non-conformances, 6 Opportunities for improvement

External Audit (SAI Global):

- 0 non-conformances, 1 Opportunities for improvement

Difficulties Encountered:

- Chemical pump issues
- Transmission line and general distribution leaks

Deviations of Critical Control Limits:

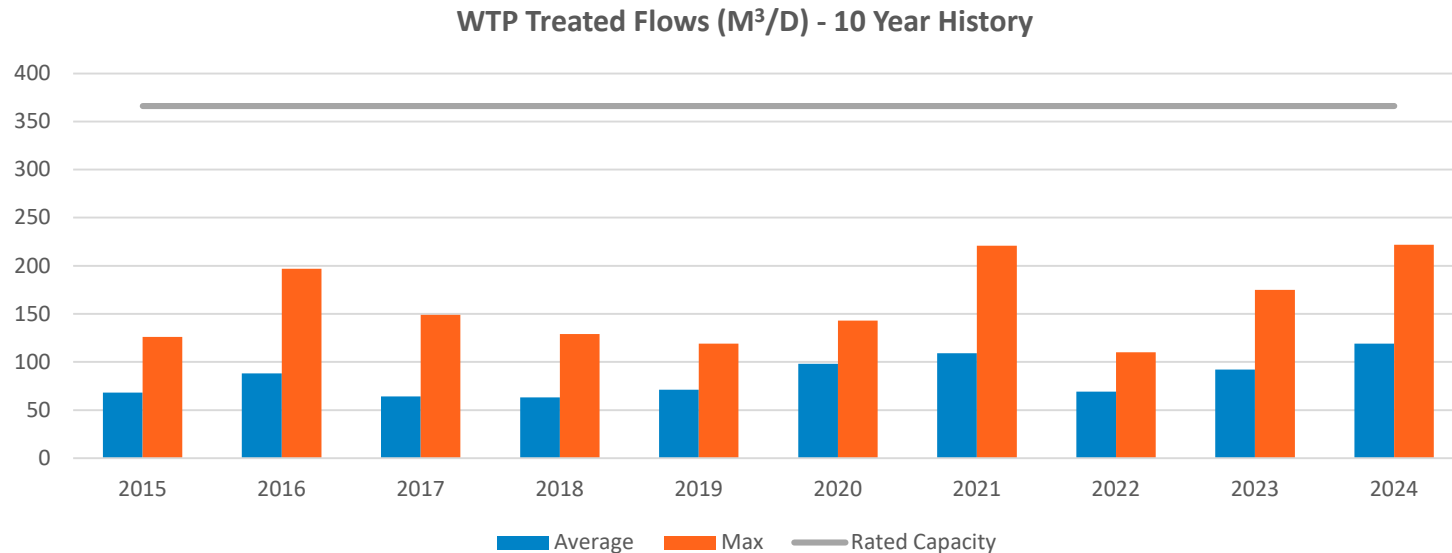
- Treated chlorine residual <0.80 mg/L (1) event (0.66 mg/L)
- Filter Turbidity >1.0 NTU (5) events

Recurring or Outstanding Past Issues:

- Backflow Prevention
- Intake inspection
- Distribution spare parts and supply
- WTP Spare parts

DWS Stabilities:

- No significant changes with raw water characteristics
- All sample results meet or exceed Ontario Drinking Water Quality Standards
- Raw and treated water flows – similar to past years
 - 2024 max daily flow rate is 47.7% of PTTW and 60.7% of rated capacity limits



2025 Capital Recommendations:

- Completion of chemical shed
- Transmission line rehabilitation or replacement
- Intake inspection
- SCADA upgrade
- High lift pump install
- Auto-dialer installation



Questions?