



MUNICIPALITY OF THAMES CENTRE

REPORT NO. PW-ES-002-25

TO: Mayor and Members of Council
FROM: Environmental Services Superintendent
MEETING DATE: March 24, 2025
SUBJECT: 2024 Drinking Water Systems Summary Reports

RECOMMENDATION:

THAT Report No. PW-ES-002-25 **BE RECEIVED** for information;

AND THAT the 2024 Drinking Water Systems Summary Reports for the Dorchester and Thorndale Drinking Water Systems **BE RECEIVED** as required under Section 11 of O. Reg 170/03.

PURPOSE:

The purpose of this report is to inform Council and satisfy the regulatory requirements of the Safe Drinking Water Act (SDWA) and O. Reg. 170/03 Drinking Water Systems Schedule 22. Specifically, that a report is presented to system owners (Council) no later than March 31 of each year, providing an overview of activities in the Dorchester and Thorndale Drinking Water Systems for the preceding calendar year. The 2024 Summary Reports prepared for Dorchester and Thorndale meet the requirements of O. Reg 170/03, Schedule 22 of the *Safe Drinking Water Act (SDWA), 2002*.

BACKGROUND:

Section 19 of the SDWA extends the legal responsibility to the owners of the drinking water system (Council) and requires that they exercise a level of care, diligence, and skill with regard to that drinking water system. The Drinking Water Summary Reports (attachments A and B) are a compilation of water quality results, operational performance, and ministry objectives for Council to review.

COMMENTS:

The primary purpose of an MECP inspection is to confirm compliance with relevant legislation and evaluate conformance with Ministry drinking water policies and guidelines. Inspections include reviewing treatment processes, distribution system components, operations, manuals, consumer relations, staff certification, and overall water quality. Provincial MECP officers may enter municipal property at any reasonable time to conduct

these inspections, traditionally on an annual basis. Upon inspection completion, each water system is assigned an Inspection Summary Rating Record (IRR), which provides the Ministry and Local Public Health Units with a summarized quantitative measure of the drinking water system's annual inspection and water quality testing performance. The following highlights the Non-compliance items from the two MECP Inspections. There were no Best Management Practices items listed in either Inspection Report.

MECP COMPLIANCE INSPECTIONS

Dorchester Drinking Water System

Staff participated in an MECP inspection at the Dorchester Drinking Water System on January 27, 2025. There were three (3) Non-compliance items identified related to an Operations Manual procedure and a Record Keeping and Alarm requirement.

Two of the non-compliances found were the result of an Ultraviolet Transmittance (UVT) Unit fault. One was addressed and corrected prior to the issuance of the Report and the second will be addressed during the 2025 Municipal Drinking Water Licence renewal process. The third non-compliance was an oversight during the water plant commissioning in 2003. The Operations and Maintenance (O&M) Manual identified the chlorine analyzers that are to be used for regulatory compliance, but a different analyzer was set up as the monitoring analyzer. This will be corrected through a SCADA adjustment by the April 20, 2025 deadline.

The Dorchester Drinking Water System received an Inspection Rating Record (IRR) of 90.94% for the inspection period (attachment C).

Thorndale Drinking Water System

Staff participated in an MECP inspection at the Thorndale Drinking Water System on May 30, 2024. There was one (1) Non-compliance item identified related to disinfection records.

During the installation of a new chlorine analyzer, a record was not created showing that the feed line included in this installation was properly disinfected. A form was created to ensure that there are records of compliance adhering to AWWA standards.

The Thorndale Drinking Water System received an Inspection Rating Record (IRR) of 95.35% for the inspection period (attachment D).

FINANCIAL IMPLICATIONS:

None.

STRATEGIC PLAN LINK

Pillar: *Community Communications & Engagement*

Goal: *Increase communications between the municipality (Council and Staff) and the public*

CONSULTATION:

None.

REFERENCES:

O. Reg. 170/03, Schedule 22 of the *Safe Drinking Water Act, 2002*.

ATTACHMENTS:

attachment A Dorchester DWS 2024 Summary Report
attachment B Thorndale DWS 2024 Summary Report
attachment C Dorchester DWS 2024 MECP Inspection Report
attachment D Thorndale DWS 2024 MECP Inspection Report

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Reviewed by: D. Barrick, Chief Administrative Officer