

DATE: February 20, 2024

REPORT NO: PW-06-2024

SUBJECT: **2023 Water Distribution System Annual Report**

CONTACT: Tray Benish, ORO, Manager of Operations
Mike DiPaola, P. Eng. – Director, Public Works and Recreation

OVERVIEW:

- The delivery of potable water in Ontario is regulated by the Ministry of Environment, Conservation and Parks (MECP) under the Safe Drinking Water Act, 2002. On June 1, 2003, O. Reg. 170/03, Drinking Water Systems, came into effect. This regulation prescribes requirements for owners and operators of municipal drinking water systems.
- The Annual Summary Report is prepared in accordance with the regulations for the preceding calendar year. A copy of the report must be given to members of the Municipal Council, which can be found as attachment A to this report.

RECOMMENDATION:

1. That, Information Report PW-06-2024, re: “2023 Water Distribution System Annual Report”, dated February 20, 2024 be received for information.

ALIGNMENT TO STRATEGIC PLAN:

- **Build** – A safe and connected, caring, and active community

BACKGROUND:

Under the requirements of O. Reg. 170/03 made under the Safe Drinking Water Act, the owner of a drinking water system shall ensure that no later than February 28th of each year, an Annual Summary Report is prepared in accordance with the regulations for the preceding calendar year. A copy of the report must be given to Municipal Council.

The report must include:

- Total number of samples taken
- The range of parameters
- Total number of adverse situations
- Any work done to repair the system

CURRENT SITUATION:

In 2023, the water operators took 655 distribution system water samples.

Of the 655 samples taken, the ranges of the parameters are as follows:

Microbiological Analysis

- Escherichia Coliform (E. Coli)	0
- Total Coliforms	0
- Fecal Coliforms	0
- Heterotrophic Plate Count (HPC)	0 - 90

Chemical Analysis

- Trihalomethanes	29.26 ug/L running annual average
- Haloacetic Acids	22.75 ug/L running annual average
- Lead	N/A

Disinfection

- Free Chlorine Residuals taken	411
- Range	0.35 – 1.24

In 2023 there were zero water main repairs, four water service repairs, two hydrant repairs and 59 new water meters installed. The Quality Management System (QMS) has been continually updated to address outdated procedures, SOP's, tables and forms. The QMS was also updated to reflect new regulations. The Director of Public Works will continually be informed by the Overall Responsible Operator to understand all the necessary changes that are made. If significant changes are made, a report will be provided to Council.

The Township of West Lincoln 2023 Water Quality Annual Summary Report is being provided to Council for information purposes.

FINANCIAL IMPLICATIONS:

There are no financial implications as a result of this report.

INTER-DEPARTMENTAL COMMENTS:

Not applicable.

CONCLUSION:

In conclusion, by providing Council the 2023 Water Distribution System Annual Summary Report (Schedule A), West Lincoln is meeting its compliance obligations

under the Safe Drinking Water Act for this item.

ATTACHMENTS:

Schedule A - 2023 Water Distribution System Annual Summary Report

Prepared & Submitted by:

Approved by:



Tray Benish, ORO
Manager of Operations

Donna DeFilippis
Interim CAO/Treasurer



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Director, Public Works and Recreation