

DATE: February 16, 2021

REPORT NO: PW-03-2021

SUBJECT: **Township of West Lincoln 2020 Water Distribution System Annual Report**

CONTACT: Steve McGean CRSI, ORO, Manager of Operations

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. Copy of this report is attached.

RECOMMENDATION:

1. That, report PW-03-2021, re: Township of West Lincoln 2020 Water Distribution System Annual Report, dated February 16, 2020 be received for information.

ALIGNMENT TO STRATEGIC PLAN:

Theme #5

- Community Health and Safety

Theme #6

- Efficient, Fiscally Responsible Operations

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 March 31 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 2020, the water operators took 695 distribution system water samples.

Of the 695 samples taken, the ranges of the parameters are as follows:

Microbiological Analysis

| | |
|-----------------------------------|--------|
| - Escherichia Coliform (E. Coli) | 0 |
| - Total Coliforms | 0 - 1 |
| - Fecal Coliforms | 0 |
| - Heterotrophic Plate Count (HPC) | 0 - 19 |

Chemical Analysis

| | |
|--------------------|----------------------------------|
| - Trihalomethanes | 18.4 ug/L running annual average |
| - Haloacetic Acids | 6.8 ug/L running annual average |
| - Lead | 0.000 – 0.000 mg/L |

Disinfection

| | |
|---------------------------------|-------------|
| - Free Chlorine Residuals taken | 466 |
| - Range | 0.34 – 1.13 |

In 2020 there was one water main repair, 4 water service repairs and 108 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 The Quality Management System (QMS) has been continually updated to address outdated procedures, SOP's, tables and forms.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 trained 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 2020 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 2020 Water Distribution System Annual Summary Report (Attachment A), West Lincoln is meeting its compliance obligations under the Safe Drinking Water Act for this item.

Prepared & Submitted by:



Steve McGean, CRSI, ORO
Manager of Operations

Approved by:



Beverly Hendry
Chief Administrative Officer

Attachment A: Township of West Lincoln 2020 Water Distribution System Annual
Summary Report