

THE CORPORATION OF THE TOWN OF GEORGINA

REPORT NO. OID2024-001

FOR THE CONSIDERATION OF
COUNCIL

March 6, 2024

SUBJECT: 2023 Annual Drinking Water Summary Report

1. RECOMMENDATION:

1. That Council receive Report No. OID2024-001 prepared by the Operations Division, Operations and Infrastructure Department regarding the 2023 Annual Drinking Water Summary Report dated March 6, 2024, including the following attached reports:
 - i) *Annual Water Quality Report for the Keswick-Sutton Water Distribution System as required by Section 11 of Regulation 170/03, under the Safe Drinking Water Act – February 8, 2024 (Attachment 1);*
 - ii) *Annual Summary Report for Municipal Officials as required by Schedule 22 of Regulation 170/03, under the Safe Drinking Water Act – March 6, 2024 (Attachment 2);*
 - iii) *Annual Management Review Report – February 7, 2024*

2. PURPOSE:

This report provides information to Council related to the Town of Georgina's Water Distribution System, pursuant to requirements under the Safe Drinking Water Act, 2002.

3. BACKGROUND:

3.1 Standard of Care for Municipal Officials

Section 19; Standard of Care – Municipal Drinking Water System, under the SDWA, requires those with oversight and decision making authority for Municipal drinking water systems (Council and Top Management) to apply a 'Statutory Standard of Care' to their oversight of the Drinking Water System. Under the SDWA, it is Council's responsibility to:

- *“exercise the level of care, diligence and skill in respect of a municipal drinking water system that a reasonably prudent person would be expected to exercise in a similar situation”, and to*
- *“act honestly, competently and with integrity, with a view to ensuring the protection and safety of the users of the municipal drinking water system”.*

The reports provided as attachments support Council, and Top Management, as the decision makers of the drinking water system to understand the performance of the drinking water system and to help them exercise a necessary due diligence in the process of delivering reliable, clean, and safe drinking water to the public.

Training session on *Section 19 – Responsibilities Under the Statutory Standard of Care – Safe Drinking Water Act* course for Town of Georgina elected officials was completed via eLearning through the Walkerton Clean Water Centre.

3.2 Keswick-Sutton Drinking Water Subsystem

Within the Regional Municipality of York, the Region owns and operates water treatment, transmission and storage facilities; and the local municipalities own and operate the water distribution systems and deliver the water to the end user.

The Region owns and operates the Keswick Water Treatment Plant and the Georgina Water Treatment Plant. These water treatment facilities obtain raw water from Lake Simcoe. In addition, the Region also owns and operates the four (4) water storage towers.

The Town of Georgina owns and operates the local water distribution system. This system is comprised of two pumping stations, watermains, service connections (up to the property line), ancillary valves, hydrants, meters and connected appurtenances.

The Region also follows the requirements of the *SDWA* and its Regulations by preparing separate Summary Reports to Regional Council, and are found through their website at;

<https://www.york.ca/wps/portal/yorkhome/environment/yr/waterandwastewater/drinkingwaterqualityandmonitoring/drinkingwaterqualityandmonitoring>

3.3 Annual Water Quality Summary Report

Section 11 - Annual Water Quality Summary Reports under O.Reg 170/03 of the *SDWA*, requires that the Owner of a Drinking Water System prepare a Drinking Water Quality Report, which includes information related to the quality of drinking water and covers the period from January 1 to December 31 of the previous year. The report must be made available to the public no later than February 28 of the following year.

The Water Quality Summary Report per Section 11 has been prepared and posted to the Town's website on February 8, 2024. (Attachment #1). [Drinking Water Reports | Town of Georgina](#)

3.4 Annual Summary Report for Municipal Council

Schedule 22 - Annual Summary Report for Municipal Council under O.Reg 170/03 of the *SDWA* requires that the Owner of the drinking water system prepare an Annual Summary Report for Municipal Council. The objective of this report is to ensure that the members of Council regularly review compliance with the terms and conditions of the

drinking water system's Approvals, Licences, Permits, and with the requirements of the SDWA and its Regulations. This report must also include a summary of any orders applicable to the drinking water system that were not met at any time during the period covered within the report. The summary report for Municipalities must be prepared and presented to Municipal Council no later than March 31 of each year.

This Summary Report per Schedule 22 has been prepared and is attached (Attachment #2)

3.5 Annual Management Review Report

Section 13 of the SDWA requires that the Owner of a Municipal drinking water system ensure that an accredited Operating Authority is in charge of the system at all times. To become an Accredited Operating Authority a Municipality must prepare an Operational Plan in conformance with the Drinking Water Quality Management Standard (DWQMS). *Element 20 – Management Review*, of the DWQMS requires Top Management of the Operating Authority to:

- Review the drinking water system performance at least once per calendar year to evaluate the continuing suitability, adequacy, and effectiveness of the *Quality Management System (QMS)*.
- Consider the results of the management review and identify deficiencies and actions items to address the deficiencies,
- Provide a record of any decisions and action items related to the management review including the personnel responsible for delivering the action items and the proposed timelines for their implementation, and
- Report the results of the management review, the identified deficiencies, decisions and action items to the Owner.

The Management Review Report for the 2023 calendar year is provided. (Attachment #3).

4. ANALYSIS:

4.1 MECP Inspection

The *Compliance and Enforcement Regulation (O. Reg. 242/05)* of the SDWA requires the MECP to carry out a number of specific activities such as taking mandatory actions and conducting inspections of municipal residential drinking water systems.

The Ministry of Environment, Conservation and Parks (MECP) conducted an unannounced, detailed inspection of the Keswick-Sutton Distribution System on February 6, 2024. This is a Full inspection of all data/records for the time period of February 1, 2023 to February 6, 2024, along with visiting selected pumping stations.

As a result of the 2023 MECP inspection, the Town of Georgina was provided a final report on February 26, 2024, indicating two (2) incidents of regulatory non-compliance

and four (4) Compliance Response(s)/Corrective Action(s)/Observations for 2023. The town received an inspection rating of 97.54%. This score indicates a low-risk rank and highest possible inspection rating for drinking water systems. The inspection rank indicates that there were *two (2) non-compliance with the system* requirements of the Safe Drinking Water Act, the regulations, the system's approval, drinking water works permit, municipal drinking water licence, and any orders applicable to the system.

The 2023 Inspection Report for the Keswick-Sutton Distribution System is provided. (Attachment #4)

4.2 Top Requested Water Quality Parameters

Chlorine	Lead	Sodium	Fluoride
Range 0.05 – 1.93 mg/L	Range <0.0005 mg/L – 0.0028 mg/L	34-36 mg/L	Refer to York Region Annual Report

Water Quality in the Keswick – Sutton drinking water distribution system remains excellent.

There is considerable public interest in the amount of Lead (Pb) found in samples of drinking water taken in schools. The Town is currently only required to test for Lead (Pb) in the distribution system, not in private plumbing. The Regulatory Limit for Lead (Pb) is 0.010 mg/L. All test for Lead sample results in the distribution system since 2007 (previous 15 years) are significantly below the regulatory limit, as such, the drinking water quality remains excellent.

5. RELATIONSHIP TO STRATEGIC PLAN:

Delivering Service Excellence

The Town of Georgina continues to provide safe drinking water to its residential and commercial customers while striving to optimize the stability and costs associated with operating and maintaining the drinking water distribution system.

6. FINANCIAL AND BUDGETARY IMPACT:

There is no financial or budgetary impact resulting from this report.

7. PUBLIC CONSULTATION AND NOTICE REQUIREMENTS:

The **Annual Water Quality Summary Report for MECP** must be made available to the public via the Town's website or the Clerk's Office on or before February 28. This was completed on February 8, 2024.

The **Annual Summary Report for Municipal Officials** must be prepared and delivered to Council no later than March 31. Notice to the public will be published on the Town's website for Drinking Water Reports following March 6, 2024.

APPROVALS

Prepared By: Anna Antoniadis, DWQMS Compliance Officer

Reviewed By: Mario Puopolo, Manager, Operations
(Water/Wastewater/Waste)

Recommended By: Michael Vos, Director, Operations & Infrastructure

Approved By: Ryan Cronsberry, Chief Administrative Officer

Attachments:

Attachment 1: 2023 Annual Water Quality Summary Report

Attachment 2: 2023 Annual Summary Report for Municipal Officials

Attachment 3: 2023 Annual Management Review Report

Attachment 4: 2023 Inspection Report for the Keswick-Sutton Distribution System