

**2024 ANNUAL SUMMARY REPORT FOR
MUNICIPAL COUNCIL**

TOWN OF GEORGINA

DRINKING WATER SYSTEM NO.260062686

*Schedule 22; Summary Reports for Municipalities, O. Reg. 170/03 – Drinking Water
Systems*



Reporting Requirements under the Ontario Safe Drinking Water Act, 2002

This Annual Summary Report for Municipal Council is to satisfy the annual reporting requirements of Ontario Regulation 170/03 – Drinking Water System of the Safe Drinking Water Act (SDWA), 2002, section 11 – Annual Reports, and schedule 22 – Summary Reports for Municipalities.

Ontario Safe Drinking Water Act, 2002 (SDWA, 2002) protects human health and the surrounding environment through the control and regulation of drinking water systems and drinking water testing. The Act includes all regulations relating to the treatment and distribution of drinking water; accreditation of operating authorities, municipal drinking water systems, drinking water testing, inspections, compliance and enforcement, and standard of care.

The Town of Georgina is required to maintain compliance with all applicable SDWA, 2002 requirements continually and effectively address any identified incidents of non-compliance.

Schedule 22 Summary Report, and its associated attachments including Section 11 Annual Report contain information pertaining to the overall performance of the Town of Georgina's Drinking Water System for the calendar year, and details from the Annual Ministry of Environment, Conservation and Parks (MECP) Inspection of the Drinking Water System. The Town of Georgina Owners (Mayor/Council), Top Management, Operating Authorities and the public are provided up-to-date information on the Drinking Water System, compliance with applicable regulatory requirements and its conformance with the industry's Best Management Practices (BMP).

Background

The Town of Georgina owns and operates the municipal Water Distribution System, and the Regional Municipality of York (York Region) provides the treatment, supply, and storage of drinking water.

Section 19 of the Safe Drinking Water Act: Standard of Care, requires every person who on behalf of the municipality oversees the accredited operating authority of the system or exercises decision-making authority over the system, to act honestly, competently, and with integrity while exercising a level of care, diligence, and skills to protect the health and safety of the users of the Town's drinking water system. This includes the Mayor, Municipal Councilors, Management, and Ministry of Environment, Conservation and Parks (MECP) Certified Operators.

Schedule 22 of O. Reg. 170/03, under the *Safe Drinking Water Act*, requires owners of municipal drinking water systems to prepare annual reports describing the operation of the drinking water system and the results of testing performed that ensures residents are provided with safe drinking water. This report covers the period from January 1, 2024, to December 31, 2024.

Drinking Water System

The source water for the Keswick-Sutton Water Distribution System comes from Lake Simcoe. York Region owns and operates two water treatment plants (WTP): the Keswick Water

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Treatment Plant, located in Keswick, Ontario and the Georgina Water Treatment Plant, located in Sutton, Ontario.

York Region owns and operates four (4) water storage tanks. Water is taken from Lake Simcoe at both plants and undergoes a complete treatment process. Georgina WTP uses membrane filtration technology, granular activated carbon, UV, and chlorine disinfection while the Keswick WTP uses chemically assisted filtration, granular activated carbon, and chlorine disinfection before being supplied to the Town's Water Distribution System. York Region carries out extensive testing at each plant and summarizes the results of these tests in an annual report. Copies of York Region's annual report may be obtained by contacting York Region at 1-877-464-9675 or accessing the Region's website, <https://www.york.ca/environment/water-and-wastewater/drinking-water-quality-and-monitoring>. The reports describe the treatment and chemicals used in the process in more detail. A copy of the Region's report may also be obtained at the Town of Georgina, Civic Centre located at 26557 Civic Centre Road, Keswick, Ontario.

The Keswick-Sutton Water Distribution System is classified by the Ministry of Environment, Conservation and Parks (MECP), as a Class 2 Water Distribution System, "Large Municipal Residential System", and is owned and operated by the Town of Georgina. Ontario Regulation 170/03, Drinking Water Systems regulates municipal drinking water systems, and acts as the framework for regulation for drinking water systems of all sizes.

The Town of Georgina is responsible for the operation and maintenance of the Water Distribution System, including pipes, valves and hydrants. The Town serves a population of approximately 41,325 and the distribution system consists of 249.6 km of watermain (both municipal and unassumed), 14,250 water connections (active accounts), 1516 fire hydrants (not including private hydrants), 1742 mainline valves, 1513 property (branch) valves, 2 pressure reducing valves (PRV), 2 booster stations, 20 sanitary pumping stations, and 30 air valves.

Annual Water Quality Summary Report(s) are available to the public at:

- Town of Georgina website: <https://www.georgina.ca/living-here/water-and-wastewater/drinking-water-reports>
- Town of Georgina Civic Centre, 26817 Civic Centre Road, Keswick, ON
- Town of Georgina Water/Wastewater Operations Facility (Operations)
- Library, Keswick Branch, 90 Wexford Drive (main desk)

As requested during last year's council meeting, additional locations have been included:

- Georgina Leisure Pool, 5279 Black River Road, Sutton (main desk)
- Multi-Use Recreation Complex (MURC), 261 Garrett Styles Drive, Keswick (main desk)

Municipal Drinking Water License and Drinking Water Works Permit

- Municipal Drinking Water License (MDWL) number: 119-101 (Issue number 3)
- Drinking Water Works Permit (DWWP) number: 119-201 (Issue number 3)

The Town's MDWL and DWWP outline specific system requirements in addition to those set by provincial regulations. These documents detail the operational, maintenance, and monitoring conditions for the drinking water system, among other regulatory obligations. Both the MDWL and DWWP are integral components of the provincial drinking water approval framework and must be fully complied with at all times. The MDWL is valid for a five-year term and must be renewed in accordance with the MECP regulations. The DWWP is also renewed on the same five-year cycle as part of the MDWL renewal process. The Town is required to consistently adhere to all conditions of the MDWL and DWWP and promptly address any instances of non-compliance.

MDWL expiry date: May 23, 2026 - Application for MDWL renewal, due 6 months prior to license expiry requirements ~

- Current Water Distribution System Map
- Operational Plan (DWQMS)
- System description
- Accreditation certificate (DWQMS)
- Financial Plan (DWQMS)

Ontario Regulation 453/07. Financial Plans (SDWA, 2002)

The Financial Plans Ontario Regulation 435/07 requires all owners of municipal drinking water systems to prepare a financial plan that details at a minimal six (6) year projected financial plan for the drinking water system. For each year the financial plan must include, but is not limited to, details of the proposed or projected financial operations of the drinking water system itemized by revenue, water rates, user charges and other revenues. The Owner of the drinking water system must make the financial plan available to members of the public through publication – <https://www.georgina.ca/sites/default/files/2024-10/attachment-1-town-of-georgina-water-financial-plan-aug-2024.pdf>

As part of the process identified within Ontario Regulation 435/07, Financial Plans must be formally approved and acknowledged by the Owner of the drinking water system through resolution of the Municipal Council. The regulation is associated with the Operating Authorities corresponding with the Municipal Drinking Water License (MDWL) and must be updated in accordance with O. Reg. 453/07 Financial Plans requirements as part of the provincial water renewal process. The Town is required to maintain compliance with all applicable regulation requirements at all times and adequately address any identified incidents of non-compliance.

Council received and approved the Water Financial Plan and Water and Wastewater Rate Study on September 11, 2024 (report # DCAO-2024-0013).

Drinking Water Quality Management Standard (DWQMS)

The *Drinking Water Quality Management Standard (DWQMS)* sets out a framework for the operating authority and the owner of a drinking water system to develop a *Quality Management System (QMS)* that is relevant and appropriate for their respective drinking water system. The DWQMS is the approved QMS under the SDWA, 2002.

The purpose of the QMS is to establish policy and objectives, achieve those objectives as well as direct and control an organization with regards to quality. To adhere to the DWQMS requirements the Town has developed a QMS Operational Plan that is relevant to and appropriate for the Town of Georgina's water distribution system. The Town's is subject to annual internal and external audits as part of the on-going Operating Authority accreditation process. The DWQMS and associated QMS requirements are one of the components associated with the provincial drinking water system approvals framework that is applicable. The Town is required to always maintain compliance with all applicable DWQMS requirements and adequately address any identified incidents of non-conformance.

Accredited Operating Authority

Under the Safe Drinking Water Act, 2002 (SDWA), Part III, Section 13 of the regulation requires the Owner of the Drinking Water System obtain/become an Accredited Operating Authority for the Drinking Water System. The Operating Authority must establish and maintain a Quality Management System (QMS), specific to the Drinking Water Quality Management Standard (DWQMS), approved under Section 21 of the SDWA.

The DWQMS accreditation is valid for three (3) years, and the Town of Georgina successfully received re-accreditation for its Quality Management System (QMS) in 2024. The re-certification process involved a comprehensive Full Scope Audit, which included an on-site inspection of the Water/Wastewater Operations Facility and Booster Stations. Additionally, interviews were conducted with key staff members supporting the QMS, and all relevant QMS documentation was thoroughly reviewed. This documentation included the QMS Operational Plan, Financial Plan, Standard Operating Procedures (SOPs), water quality records, risk management processes, as well as maintenance, rehabilitation and renewal activities for infrastructure and system security.

Designated personnel from the Town of Georgina participated in both internal and external audits each year, reinforcing the Town's commitment to providing safe drinking water to the public. These efforts also contribute to strengthening consumer protection by ensuring the effective implementation and continuous improvement of the Quality Management System.

3-Year Cycle	Audit Description	Date
Year-3	On-site re-accreditation audit	Completed 2024
Year-2	Surveillance Audit	2025
Year-1	Surveillance Audit	2026

In June 2024, an Internal Audit of the Town's Quality Management System (QMS) was conducted, resulting in three (3) Opportunities for Improvement (OFI) and zero (0) Non-Conformances (NC). In July and August 2024, Intertek-SAI Global conducted an audit of Re-Accreditation for the Town of Georgina's Drinking Water Quality Management System. This audit also identified three (3) OFIs and zero (0) NCs. The Town of Georgina's staff have been actively addressing these recommendations to further strengthen the QMS. For more detailed information, the 2024 QMS Management Review Report provides a comprehensive overview of the Town's audit results and subsequent improvements.

Drinking 2024 Adverse Water Quality Incidents (AWQI)

Town staff reported two (2) Adverse Water Quality Incidents (AWQI) to the Ministry of the Environmental, Conservation and Parks (MECP), Spills Action Centre (SAC) and to York-Durham Public Health Unit (PHU) and took immediate corrective action in accordance with O. Reg. 170/03: Drinking Water Systems.

For the reported incidents, samples were taken from the location, as well as from upstream and downstream locations. These samples were tested for microbiological contamination and chlorine residuals. The results showed no evidence of microbiological contamination, and the free chlorine concentrations were within acceptable levels.

Below is the list of AWQI reported in 2024 as per *Schedule 16, O. Reg. 170/03*.

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
2024/09/03	Total Coliforms	P	PA	Flushed and resampled upstream, downstream and at the location of the initial adverse site.	2024/09/05
2024/11/26	Operational Adverse (positive pressure not maintained)	N/A	N/A	Flushed watermain and collected one sample at the source of potential AWQI. Notified MECP and YRPH. Test results received for this location passed Ontario Drinking Water Quality Standards.	2024/11/26

- * - Multiple samples were collected to fulfill requirements of corrective action
- P – present
- P/A – presence/absence
- CFU – colony forming unit
- MG/L – milligrams per liter

Ministry of the Environment, Conservation and Parks (MECP) Inspection

The Compliance and Enforcement Regulation (O. Reg. 242/05) of the SDWA requires the Ministry of Environmental, Conservation and Parks (MECP) to carry out a number of specific

activities such as taking mandatory actions and conducting inspections of municipal residential drinking water systems.

Compliance with O. Reg 170/03 is determined in part through system inspections conducted annually by the MECP. The annual reporting requirements for drinking water systems are also required under Section 11 (Annual Reports) and Schedule 22 (Summary Reports for Municipalities). The Town is required to maintain compliance with all applicable O. Reg. 170/03 requirements at all times and adequately address any identified incidents of non-compliance.

Under the Safe Drinking Water Act, 2002, O. Reg. 128/04, Certification of Drinking Water System Operators and Water Quality Analysts, Water/Wastewater Operators must hold a valid operator license to operate a municipal drinking water system. O. Reg. 128/04, establishes the training and certification requirements for Operators, the corporation must ensure Water/Wastewater Operators hold the required certification level, and maintain compliance with training and certification requirements in order legally operate the drinking water system. Water/Wastewater Operators conduct operational checks, adjust, test or evaluate processes that control the effectiveness or efficiency of the subsystem, including directing the flow, pressure or quality of the water, sampling, testing and monitoring water quality within the subsystem.

Compliance with O. Reg. 128/04 is determined partially through system inspections conducted annually by the MECP. The Town is required to maintain compliance with all applicable regulation requirements at all times and adequately address any identified incidents of non-compliance.

2024 Annual MECP Inspection

The Ministry of Environment, Conservation, and Parks (MECP) conducted an announced inspection of the Keswick-Sutton Distribution System on January 28, 2025. This inspection is an annual inspection and all data/records for the time period of February 6, 2024 to January 28, 2025, were inspected, along with a visit to the Town's two (2) booster stations.

This inspection will assess the Keswick-Sutton Distribution System's compliance with Safe Drinking Water Act, 2002 (SDWA), conformity with ministry drinking water policies and guidelines, manuals, standard operating procedures, logbooks, operator certifications, and training credentials, water quality results, water quality monitoring processes, reporting procedures, and corrective actions. MECP performed a comprehensive, multi-barrier inspection of the water system focusing on the source, treatment, distribution components, and management system. The inspection has been conducted pursuant to Section 81 of the SDWA.

As a result of the 2024 MECP inspection, the Town of Georgina was provided with a final report on February 20, 2025 indicating one (1) incident of regulatory non-compliance and two (2) observation/ recommendation for 2024. The Town received an inspection rating of 98.25%. This score indicates a low-risk rank and represents a near perfect rating for drinking water systems. The inspection rank indicates that there was one (1) 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 license, and any orders applicable to the system.

Annual Summary Report for Municipal Officials

2024 MECP Inspection results:

DWS Name:	KESWICK-SUTTON DISTRIBUTION SYSTEM
DWS Number:	260062686
DWS Owner:	TOWN OF GEORGINA
Municipal Location:	GEORGINA
Regulation:	O.REG. 170/03
DWS Category:	DW Municipal Residential
Type of Inspection:	Focused
Compliance Assessment Start Date:	Jan-22-2025
Ministry Office:	York Durham District Office

Maximum Risk Rating: 228

Inspection Module	Non Compliance Risk (X out of Y)
Certification and Training	0/28
Distribution System	4/4
Logbooks	0/14
Operations Manuals	0/14
Reporting & Corrective Actions	0/53
Treatment Processes	0/64
Water Quality Monitoring	0/51
Overall - Calculated	4/228

Inspection Risk Rating: 1.75%

Final Inspection Rating: 98.25%

DWS Name:	KESWICK-SUTTON DISTRIBUTION SYSTEM
DWS Number:	260062686
DWS Owner Name:	TOWN OF GEORGINA
Municipal Location:	GEORGINA
Regulation:	O.REG. 170/03
DWS Category:	DW Municipal Residential
Type of Inspection:	Focused
Compliance Assessment Start Date:	Jan-22-2025
Ministry Office:	York Durham District Office

Non-Compliance Question(s)	Non Compliance Risk
Distribution System	
Did the owner update the document describing the distribution components within 12 months of completion of alterations to the system in accordance with the Drinking Water Works Permit?	4
Overall - Total	4

Maximum Question Rating: 228

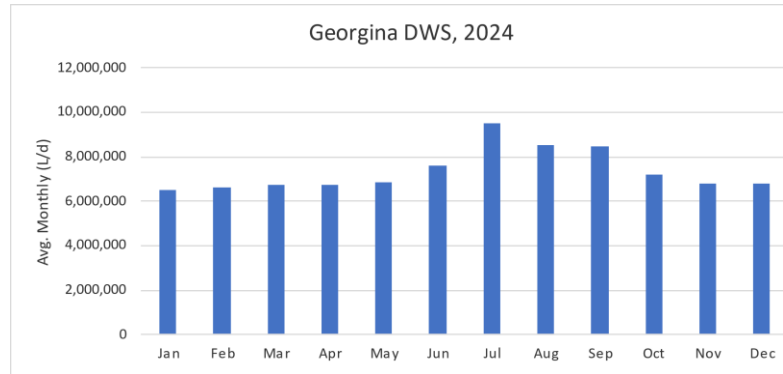
Inspection Risk Rating: 1.75%

FINAL INSPECTION RATING: 98.25%

System Monthly Average Flow

Georgina Water Treatment Plant (Operated by York Region)

2024 Water Quantity & Flow Rate Data for the Town of Georgina Water Distribution System - summary of the maximum, minimum, and average daily flows per month, and is expressed in m³ /day.

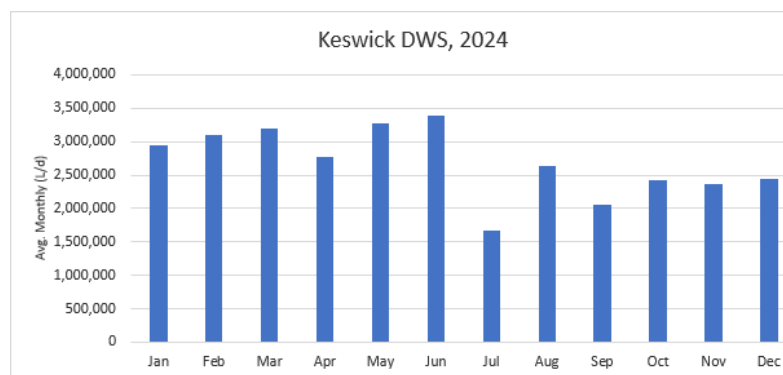


Georgina WTP (2024)	Litres
Maximum Monthly Average Flow (L/day)	9,531,835
Maximum Daily Flow (L/day)	14,186,600
Total Volume Georgina WTP (L/year)	2,697,508,410

*All data provided by the Regional Municipality of York

Keswick Water Treatment Plant (Operated by York Region)

2024 Water Quantity & Flow Rate Data for the Town of Georgina Keswick Water Distribution System - summary of the maximum, minimum, and average daily flows per month, and is expressed in m³ /day.



Keswick WTP (2024)	Litres
Maximum Monthly Average Flow (L/day)	3,388,797
Maximum Daily Flow (L/day)	5,369,500
Total Volume Keswick WTP (L/year)	983,918,075

*All data provided by the Regional Municipality of York

2024 Water Quality Testing

Reference 2024 Annual Water Quality Summary Report posted on the Town of Georgina website, in compliance with Section 11 SDWA.

Top Requested Water Quality Parameters

Chlorine	Lead (Pb)	Sodium (Na)*	Fluoride (F)**
Range 0.05 – 1.96 mg/L	Range <0.005 mg/L – 0.0011 mg/L	**Refer to York Region Annual Report	**Refer to York Region Annual Report

*The owner of a drinking water system and the Operating Authority for the system shall ensure that at least one water sample is taken every 60 months and tested for sodium.

**If a drinking water system provides fluoridation, the owner of the system and the Operating Authority for the system shall ensure that a water sample is taken at the end of the fluoridation process at least once every day and is tested for fluoride.

Chlorine Residual Testing

The Town is required to routinely monitor for “free chlorine residual” concentrations in order to ensure the minimum residual is maintained within the distribution system, in accordance with O. Reg. 170/03. As per Schedule 10, O. Reg. 170/03, samples taken from the Town’s Drinking Water Distribution System are required to have chlorine residual tests to ensure drinking water is sufficiently disinfected. In 2024, the certified Water/Wastewater Operators of the Town of Georgina submitted 738 free chlorine samples for testing as part of routine and emergency microbiological sampling. In total, 5153 free chlorine residual samples were analyzed throughout the year.

Certified Water/Wastewater Operators took daily chlorine residuals readings throughout the distribution system as part of the Town’s Water Quality Monitoring program, as well as carrying out a weekly flushing program focused on blow-off valves, fire hydrants, dead-ends and sampling stations to purge stagnant water within the distribution system and monitor/maintain chlorine residuals at acceptable levels.

In addition to daily free chlorine residual testing, samples were collected for weekly microbiological testing and scheduled chemical tests. The range of free chlorine residual readings analyzed as part of the Town’s Water Quality Monitoring program was 0.05 mg/L to 1.96 mg/L. The legislated minimum acceptable free chlorine residual is 0.05 mg/L, and the maximum is 4.00 mg/L.

In 2024, there was one (1) observational adverse in which positive pressure was not maintained. In response to this, the Town's Water/Wastewater Operators took corrective action in accordance with O. Reg. 170/03.

Microbiology Testing

In the Town of Georgina, Certified Water/Wastewater Operators take weekly water samples from designated sample locations in the Keswick-Sutton Water Distribution System. The York-Durham Environmental Laboratory in Pickering analyzes and tests each sample for the presence of bacteria. York Region and Durham Region jointly own and operate the accredited laboratory (see the link for detailed lab information: [York Durham Regional Environmental Lab - Region of Durham](#)).

Testing under *Schedule 10* of O. Reg. 170/03: *Drinking Water Systems*, a total of 738 water samples from the Keswick-Sutton Distribution System were analyzed for the presence of coliform bacteria (total coliforms, and E. coli) between January 1, 2024, and December 31, 2024. Of the 738 microbiological samples taken in 2024, one (1) sample tested positive for microbiological contamination (see 2024 AWQI Reporting table in this document).

217 samples were also analyzed using the heterotrophic plate count (HPC) method to check any indicator of ideal conditions for the growth of bacteria within the drinking water supply system. This test is used as a supplement to the routine analysis for coliform bacteria and is used as an aid in assessing overall drinking water quality and the condition of the distribution system. At a minimum, 25% of all routine microbiological sampling tests must be tested for HPC. The sampling quantity of approximately 29.5% of all routine microbiological samples surpassing the *MECP* and *SDWA* requirements.

The *MECP* Operational Guideline determines a maximum allowable concentration of 500 CFU/ml HPC. The maximum concentration of HPC analyzed within the Town's Water Distribution System in 2024 was 1800 CFU/ml.

HPC Range in Colony Forming Units (CFU/mL)	Number of Samples
0-1800	217

Although there was one elevated HPC (Heterotrophic Plate Count) result, it is important to note that all other samples were well below the threshold of 500, with an average HPC value of 10.4 across all 217 samples. This indicates that the overall water quality remains within acceptable parameters. The higher-than-normal result of the single sample could be attributed to potential contamination during the sampling process, either by environmental elements, handling by the Operator, or conditions at the laboratory where it was tested. This outlier does not reflect the broader dataset, which consistently demonstrates compliance with quality standards.

Trihalomethanes (THMs) and Haloacetic Acids (HAAs) Testing

As part of the Town's Water Quality Monitoring program, free chlorine residual readings must also be taken during quarterly routine testing of Trihalomethanes (THM's) and Haloacetic Acids (HAA's). THM's and HAA's are disinfection by-products that can be used as an indicator of the effectiveness of the chlorine disinfection process. In 2024, eight (8) samples were tested for Trihalomethanes (THMs) at locations that were deemed to have the highest potential for elevated THM values, namely those furthest from the treatment facilities. The maximum 12-month annual running average (RAA) of quarterly results limit is 100 µg/L (*O. Reg. 169/03*). The results of the Town samples for the THM 12-month RAA for 2024 was 44.13 µg/L and thus within regulatory limits.

Twelve (12) samples were tested for Haloacetic Acids (HAAs) at locations deemed to have the highest potential of the highest possible HAA values, namely locations closest to the Treatment Facilities. The maximum 12-month running annual average (RAA) of quarterly results limit is 80 µg/L (*O. Reg. 169/03*). The results of the Town samples for the HAA 12-month running average for 2024 was 23 µg/L, demonstrating that the water is within regulatory limits, but elevated results approaching half the limit need to be monitored. Schedule 23: Inorganic Parameters and Schedule 24: Organic Parameters in *O. Reg. 170/03* are sampled by York Region.

Sampling and testing were conducted for each 2024 AWQI event, with all samples returning negative results for microbiological contamination. This demonstrates that the measures implemented in accordance with *O. Reg. 170/03* are effective in ensuring the safety and potability of the water.

Summary of water test results required under Drinking Water Systems *O. Reg. 170/03* and MDWL:

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
THM (NOTE: show latest annual average)	February 5, 2024; May 1, 2024; July 8, 2024; November 4, 2024	44.13	UG/L	0
HAA (NOTE: show latest annual average)	February 5, 2024; May 1, 2024; July 8, 2024; November 4, 2024	23	UG/L	0

Sodium

The Regional Municipality of York tests for sodium in accordance with their sampling schedule, as they are the treatment facility providing potable water to the Town of Georgina. Test results from 2024 sodium sampling for the Town can be found on the Region of York website under Annual Water Quality Reports <https://www.york.ca/environment/water-and-wastewater/drinking->

[water-quality-and-monitoring](#). In alignment with Ontario Regulation 170/03, the Town of Georgina will be required to conduct sodium sampling in June 2028.

Nitrate and Nitrite testing

In 2024, a total of eight (8) Nitrates and Nitrites (NO₂, NO₃) samples were tested within the distribution system at selected locations within the Town. The Regional Municipality of York performs Nitrate and Nitrite testing of the drinking water at the treatment facilities where the water enters the distribution system as required under Schedule 13, O. Reg. 170/03.

Lead Testing

In 2007, the Ontario Government implemented municipal and non-municipal drinking water systems to undertake mandatory semi-annual Lead testing in the drinking water systems to ensure the Lead concentration remains under the standards set forth in O.Reg.169/03: Ontario Drinking Water Quality Standards and O.Reg.170/03: Drinking Water Systems, under the Safe Drinking Water Act, SDWA 2002. The Ontario drinking water quality standard for Lead is 10 micrograms per liter (10 µg/L) or 0.010 milligrams per liter (0.010 mg/L). This standard is based on the national guideline set by Health Canada.

Lead testing performed over the past decade has demonstrated that most municipal and non-municipal residential drinking water systems have met the regulated standards. As a result, the Ministry has amended regulations under the *SDWA* to clarify requirements for Lead testing and to introduce an automatic Lead testing exemption within plumbing systems for municipal drinking water systems serving under 50,000 people.

Systems serving under 50,000 users can transfer to a “reduced” Lead sampling schedule on condition that no more than 10% of samples taken within the latest two (2) sampling periods do not exceed half of the 10ug/mL standard (0.010 mg/L). The Town has not had any exceedances for Lead since 2007, therefore falls under the “reduced” Lead sampling schedule for the water distribution system and is exempt from Lead sampling within the plumbing system. Lead samples are taken every 36 months on a rolling three (3) year schedule under the “reduced” sampling protocol. Each year semi-annual alkalinity or pH sampling are mandatory, whereas Lead must be sampled every 36 months on a semi-annual basis (summer, and winter).

The table below outlines the rolling three (3) year “reduced” Lead sampling schedule.

Sampling Year	1 st round sampling	Date of 1 st round sampling	# of Samples per period	2 nd round sampling	Date of 2 nd round sampling	# of Samples per period	Sampling requirements
Y1	Dec 15, 2024 – Apr 15, 2025	March 2025	4 Alkalinity	Jun 15, 2025 – Oct 15, 2025	September 2025	4 Alkalinity	Alkalinity and pH
Y2	Dec 15, 2025 – Apr 15, 2026	March 2026	4 Alkalinity	Jun 15, 2026 – Oct 15, 2026	September 2026	4 Alkalinity	Alkalinity and pH
Y3	Dec 15, 2023 – Apr 15, 2024	March 2024	4 Alkalinity 4 Lead	Jun 15, 2024 – Oct 15, 2024	September 2024	4 Alkalinity 4 Lead	Alkalinity, pH, and Lead

In 2024, the Town was in the third year of its three-year cycle, during which it was required to collect samples for Alkalinity, Lead and pH. A total of eight samples were taken for both Alkalinity and Lead – 1st round, four (4) Alkalinity and four (4) Lead, and 2nd round, four (4) Alkalinity and four (4) Lead.

The table below summarizes the sample results, which demonstrate that the results are all within compliance limits.

Sample Date	Number of Samples	Lead (mg/L) Min. – Max.	Alkalinity CaCO ₃ (mg/L)	pH Min. – Max.
March 06, 2024	4 (Lead) & 4 (Alkalinity)	<0.0005 – 0.0012	113-120	7.00 – 7.54
Sept 11, 2024	4 (Lead) & 4 (Alkalinity)	0.0008 – 0.002	102-110	7.00 – 7.59
MAC – (Maximum Allowable Concentration) OG – (Operational Guideline)		MAC 0.01mg/L	OG 500mg/L	OG 6.5 – 8.5

Private Wells

Residents that obtain water from private wells are encouraged to take samples periodically to determine if their water is safe to drink. Sample bottles may be obtained at the Civic Centre and returned to the same location for testing conducted by the Ministry of Health laboratory at no cost to the residents.