



2025

Halton Region Drinking Water Quality Report:
North Aldershot Distribution System

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Introduction

Halton Region is committed to providing safe drinking water to all of our customers. As mandated by the *Safe Drinking Water Act, 2002*, this Annual Drinking Water Quality Report summarizes system performance for the period January 1 to December 31 of the reporting year and includes:

- A description of the drinking water treatment process and chemicals used;
- A summary of any major expenses related to the installation, repair or upgrade of system equipment; and
- The results of drinking water quality testing and how they compare to provincial regulatory standards.
- Any adverse test results or other issues, along with the corrective actions taken.

All provincial regulatory monitoring requirements and operational actions applicable to Halton Region's drinking water system were met or surpassed during the current reporting year.

System Description

Drinking Water System Number: 260086762

The North Aldershot Distribution Subsystem is located in the northwest area of the City of Burlington. The system is connected to the Halton Region Distribution Subsystem; however, the connections are normally closed, thus isolating the two subsystems. Water is supplied by the City of Hamilton through an inter-connection to Hamilton's distribution system on Waterdown Road. There are approximately 105 homes and businesses in the North Aldershot system.

In November 2018, the City of Hamilton implemented a new Corrosion Control Program (CCP), approved by the Ministry of the Environment, Conservation and Parks (MECP) by utilizing low concentrations of orthophosphate. A letter outlining Hamilton's CCP was delivered to all affected Halton Region residents and select members of Council ahead of the implementation date.

What Improvements Are We Making?

During the current reporting year, over \$5,000,000 was invested in watermain projects within the North Aldershot Distribution Subsystem. This included the design and construction of the existing watermain along Waterdown Road and Flatt Road. These works support infrastructure renewal and enhance the reliability and capacity of the distribution system.

Halton Region continues to support the production and delivery of high quality, safe drinking water through water sampling and monitoring above the provincial requirements, upgrades to the Supervisory Control and Data Acquisition (SCADA) monitoring system and infrastructure management systems, an update of the Water Master Plan and water efficiency programs. Work also continued on the Drinking Water Quality Management System, a provincial requirement to

support the licensing of municipal drinking water systems which came into effect for Halton in January 2009.

Water Quality Testing

A comprehensive program of water quality testing is performed daily in accordance with the *Safe Drinking Water Act, 2002* and its associated regulations. The following sections summarize the results of this testing and demonstrate compliance with applicable provincial drinking water quality standards.

Terms

CFU/100 mL	Colony-forming units per 100 millilitres of water
µg/L	micrograms per litre
mg/L	milligrams per litre
Standard	Ontario Drinking Water Quality Standard, O.Reg. 169/03

Microbiological Testing

	Number of Samples	E. coli Results (min-max)	Total Coliform Results (min-max)	Number of HPC Samples	HPC Results (min-max)
Distribution	105	Absent – NDOGN	Absent – NDOGN	71	0 - 489

Microbiological standards for treated and distributed water:

E.coli	not detected
Total Coliforms	not detected
HPC	Heterotrophic Plate Counts are conducted on some distribution system samples. The HPC test is used as a tool to monitor overall quality, but the results are not indicators of water safety. There is no Drinking Water Quality Standard for HPC.

Operational Testing

The chlorine residual in the distributed water is measured regularly by Halton Region operators. All of the readings are validated by an operator and are also reviewed by the MECP Inspector. 'Adverse' test results must be reported if the combined chlorine residual in the distribution system is <0.25 mg/L and the free chlorine residual is <0.05 mg/L. In the current reporting year, all of the validated readings and test results were within the ranges required by regulation.

Chemical Testing

Inorganic Parameters

Parameter	Sample Date	Result Value	Unit of Measure	Standard	Exceedance of Standard
Nitrite	11/10/25	<0.01	mg/L	1.0	No
Nitrate	11/10/25	0.34	mg/L	10.0	No

Organic Parameters

Parameter	Sample Date	Result Value	Unit of Measure	Standard	Exceedance of Standard
THMs (latest running annual average)	11/11/25	20.5	µg/L	100 (running annual average)	No
THMs (latest running annual average)	11/10/25	5.1	µg/L	80 (running annual average)	No

No additional testing was required by a Municipal Drinking Water License, order, or other legal instruments.

'Adverse' Results Notifications

Notices of 'adverse' water quality results are submitted in accordance with the Safe Drinking Water Act, 2002 to the MECP and the Medical Officer of Health.

Sample Date	Location	Adverse Condition	Corrective Action	Notice of Issue Resolution
September 11, 2025	Distribution	NDOGN, Duplicate NDOGN	Flushed and resampled. Resample results were within acceptable limits	September 15, 2025
September 24, 2025	Distribution	TC = 27 CFU/100mL	Flushed and resampled. Resample results were within acceptable limits	September 29, 2025
September 24, 2025	Distribution	TC = 2 CFU/100mL	Flushed and resampled. Resample results were within acceptable limits	September 29, 2025

Community-Wide Lead Sampling Program Results

A part of the Community-Wide Lead Sampling Program, water samples were collected from two sampling points located within the North Aldershot Distribution Subsystem during the current reporting year. None of the samples exceeded the provincial lead standard of 10 µg/L.

More Information or Questions

The related Annual Drinking Water Systems Flow Report is presented to Municipal Council members on or before March 31 of each year and is available on halton.ca

For alternative formats or questions relating to these documents, email accesshalton@halton.ca or call 311.

Halton Region

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