

Town of Whitchurch-Stouffville - Stouffville DWS
Drinking Water Systems Regulation O. Reg. 170/03 Section 11 Reporting

***MODIFIED* OPTIONAL ANNUAL REPORT TEMPLATE**

Accessible formats or communication supports are available upon request.

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| Drinking-Water System Number: | 260003162 |
| Drinking-Water System Name: | Stouffville Drinking Water System |
| Drinking-Water System Owner: | Town of Whitchurch-Stouffville |
| Drinking-Water System Category: | Large Municipal Residential, Class 1 |
| Period being reported: | January 1, 2025, to December 31, 2025 |

The Stouffville Drinking Water System serves more than 10,000 people.

This annual report is available to the public at no charge on the Town's website and upon request.

Location where Summary Report, required under O. Reg. 170/03 Schedule 22, will be available for inspection:

Town of Whitchurch-Stouffville
111 Sandiford Drive
Stouffville, ON L4A 0Z8

<https://www.townofws.ca/live/water-and-utilities/water-quality/>

No additional Drinking Water System owners are connected to and receive drinking water from the Town of Whitchurch-Stouffville.

System users were notified that Stouffville's Annual Report is available, free of charge, by public access and notice through:

- Web
- Public Request, at any time.

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Description of the Stouffville Drinking Water System

About Stouffville

Water treatment and supply for the Stouffville Drinking Water System is the responsibility of the Regional Municipality of York. Water supply is comprised of a combination of ground water production wells and surface water, which originates at Lake Ontario. The combination of surface and well water supplies create a blended water supply for the Community of Stouffville. Water treatment for each of these sources is provided by York Region by means of chlorination. Currently York Region owns, operates and maintains, in accordance with MECP requirements, the following: five ground water production wells at three sites, two ground level reservoirs, two elevated storage tanks and approximately seven kilometers of transmission watermain. For further information regarding water supply and treatment, contact the Regional Municipality of York located at 17250 Yonge Street, Newmarket Ontario, L3Y 6Z1 or visit their website at <https://www.york.ca/environment/water-and-wastewater/drinking-water-quality-and-monitoring>.

The Town of Whitchurch-Stouffville owns and operates the Stouffville Drinking Water System, servicing approximately 43,160 residents and businesses in the Community of Stouffville and for approximately 20 households on Highway 48.

Presently, the Drinking Water System infrastructure consists of approximately 200 kilometers of various size watermains, 1,900 watermain valves, 1,230 hydrants and 52 sampling stations.

The operation and maintenance of this system, to ensure safe drinking water, is the responsibility of the Town's Engineering and Public Works Commission. Staff are certified under O.Reg 128/04 – *Certification of Drinking Water System Operators and Water Quality Analysts* in accordance with the Ministry of the Environment, Conservation and Parks of Ontario (MECP) requirements. In 2011 the MECP issued, to the Town, the Municipal Drinking Water License for the Stouffville Drinking Water System and approved the Town's "Operational Plan". This plan is part of the Town's Quality Management System that describes the processes and procedures by which this Drinking Water System is operated and maintained. Activities generally include watermain break repairs, valve maintenance, hydrant maintenance, water locate stakeouts, watermain flushing and water quality sampling. The Operational Plan is available for review to the Public on the Town's website <https://townofws.ca/live/water-and-utilities/water-quality/>. A copy of the Drinking Water System Annual and Summary reports are also available on the Town's website <https://townofws.ca/live/water-and-utilities/water-quality/>.

List all water treatment chemicals used over this reporting period

Not applicable. Treatment chemicals are introduced at the various sources by York Region only. Refer to the York Region website <https://www.york.ca/environment/water-and-wastewater/drinking-water-quality-and-monitoring>.

Were any significant expenses incurred to?

- ☒ [X] Install required equipment
- ☒ [X] Repair required equipment
- ☒ [X] Replace required equipment

Brief description and breakdown of monetary expenses incurred

\$ 230,000 – Edward Street watermain, valve, and hydrant replacement
\$ 90,000 – Various watermain, valve and hydrant improvements

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Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

| Incident Date and Location | Parameter | Result | Unit of Measure | Corrective Action and Result | Corrective Action Date |
|--|------------------------|--------|-----------------|--|---------------------------|
| AWQI # 168236 -May 15 th , 2025 #287 Boundary Boulevard -Hydrant ID# 1214 | Free Chlorine Residual | 0.00 | mg/L | Flushed hydrant and grab sample taken for Free Chlorine Residual. Free Chlorine Residual reading recorded at 0.63 mg/L. Grab sample reading was above Ministry regulated adverse concentration (0.05mg/L) and critical control limit (0.20mg/L). No further action required | May 15 th 2025 |

Microbiological testing done under Schedule 10 of Regulation 170/03 during this reporting period

| | Number of Distribution Samples | Range of Results (min # to max #) | Detections |
|------------------------|--|-----------------------------------|------------|
| E. coli | 958 | N/A | 0 |
| Total Coliforms | 958 | N/A | 0 |
| HPC | 579 | 0 – 750 | |
| Raw and Treated | For raw and treated samples collected under Schedule 10, refer to the Region of York Annual Report . | | |

Operational testing done under Schedule 7 of Regulation 170/03 during the period covered by this Annual Report

| | Number of Grab Samples | Range of Results (min #)-(max #) | Unit of Measure | NOTE: For continuous monitors use 8760 as the number of samples. |
|--|--|----------------------------------|-----------------|---|
| Turbidity (treated) | Refer to York Region Annual Report . | | | |
| Chlorine (free) | 4577 | 0.00 - 2.16 | mg/L | |
| Fluoride (If the DWS provides fluoridation) | Refer to York Region Annual Report . | | | |

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.

| Date of legal instrument issued | Parameter | Date Sampled | Result | Unit of Measure |
|---------------------------------|-----------|--------------|--------|-----------------|
| Not applicable | | | | |

Summary of Inorganic parameters tested during this reporting period, or the most recent result.

| Parameter | Date Sampled | Result | Unit of Measure |
|----------------------------|-----------------|---------|-----------------|
| Nitrite (NO ₂) | October 7, 2025 | <0.05 | mg/L |
| Nitrate (NO ₃) | October 7, 2025 | 0.52 | mg/L |
| Lead (Distribution system) | July 15, 2025 | <0.0005 | mg/L |

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| | | | |
|----------|-------------------|------|------|
| Sodium | January 16, 2024 | 21.2 | mg/L |
| Fluoride | November 15, 2022 | 0.61 | mg/L |

For all other results please refer to the [York Region Annual Report](#).

Summary of Calculated Running Annual Average Trihalomethane (THM) during this reporting period

| | |
|--|------------------------|
| Facility monitored for THM | Stouffville DWS |
| Annual Average Q1-Q4 | 0.0145500 mg/L |
| Does result exceed Standard of 0.100 mg/L? | No |

Summary of Calculated Running Annual Average Total Haloacetic Acids (HAAs) during this reporting period

| | |
|---|------------------------|
| Facility monitored for HAAs | Stouffville DWS |
| Annual Average (mg/L) | 0.008300 mg/L |
| Does result exceed Proposed Standard of 0.080 mg/L? | No |

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

| Parameter | Result Value | Unit of Measure | Date of Sample |
|-----------|--------------|-----------------|----------------|
| None | | | |