

**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.

<b>Drinking-Water System Number:</b>	260003162
<b>Drinking-Water System Name:</b>	<b>Stouffville Drinking Water System</b>
<b>Drinking-Water System Owner:</b>	Town of Whitchurch-Stouffville
<b>Drinking-Water System Category:</b>	Large Municipal Residential, Class 1
<b>Period being reported:</b>	January 1, 2020 to December 31, 2020

**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 web site 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

[www.townofws.ca/en/residents/water-quality.aspx](http://www.townofws.ca/en/residents/water-quality.aspx)

**No additional Drinking Water System owners that 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
- Municipal Government Office (Administrative Office – 111 Sandiford Drive)
- Public Request at any time

# Town of Whitchurch-Stouffville - Stouffville DWS

## Drinking Water Systems Regulation O. Reg. 170/03 Section 11 Reporting

### Description of the Stouffville Drinking Water System

#### About Stouffville

Water treatment and supply for the Stouffville Water Distribution 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 creates a blended water supply for the Community of Stouffville. Water treatment for each of these sources is provided by the Region by means of chlorination. Currently the 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 [www.york.ca](http://www.york.ca).

The Town of Whitchurch-Stouffville owns and operates the Stouffville Water Distribution System, servicing approximately 35,000 residents and businesses in the community of Stouffville and for approximately 20 households on Highway 48.

This water distribution system infrastructure consists of approximately 140 kilometers of various size watermains, 1530 watermain valves, 1050 hydrants and 46 sampling stations.

The operation and maintenance of this system to ensure safe drinking water is the responsibility of the Town's Public Works Department. Staff are certified 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 Water Distribution 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 water distribution 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 [www.townofws.ca](http://www.townofws.ca). A copy of the water distribution system annual and summary reports are also available on the Town's website.

#### List all water treatment chemicals used over this reporting period

Not applicable. Treatment chemicals are introduced at the various sources by the York Region only. Refer to the York Region website [www.york.ca/drinkingwater](http://www.york.ca/drinkingwater).

#### Were any significant expenses incurred to?

- Install required equipment
- Repair required equipment
- Replace required equipment

#### Brief description and breakdown of monetary expenses incurred

\$ 34,500 – Various watermain, valve and hydrant improvements

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

**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 #152413 October 2, 2020 Meridian Dr Hydrant 1182	Total Coliforms	P	Presence/ Absence	Flush and resample	October 4, 2020

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

	Number of Distribution Samples	Range of Results (min # to max #)	Detections
<b>E. coli</b>	735	N/A	0
<b>Total Coliforms</b>	735	N/A	1
<b>HPC</b>	460	0 - 420	0
<b>Raw and Treated</b>	For raw and treated samples collected under Schedule 10, refer to the <a href="#">Region of York Annual Report</a> .		

**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	<i>NOTE: For continuous monitors use 8760 as the number of samples.</i>
<b>Turbidity (treated)</b>	Refer to <a href="#">York Region Annual Report</a> .			
<b>Chlorine (free)</b>	4,332	0.40 – 2.12	mg/L	
<b>Fluoride</b> (If the DWS provides fluoridation)	Refer to <a href="#">York Region Annual Report</a> .			

**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	January 5, 2021	<0.05	mg/L
Nitrate	January 5, 2021	1.87	mg/L
Lead (Distribution system)	August 25, 2020	<0.0005	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	0.018 mg/L
Does result exceed Standard of 0.100 mg/L?	No

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

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

<b>Facility monitored for HAAs</b>	<b>Stouffville DWS</b>
Annual Average (mg/L)	0.013 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.**

<b>Parameter</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Date of Sample</b>
None			