



OPTIONAL ANNUAL REPORT TEMPLATE

Drinking-Water System Number:	260003162
Drinking-Water System Name:	Stouffville Water Distribution System
Drinking-Water System Owner:	Town of Whitchurch-Stouffville
Drinking-Water System Category:	Water Distribution Sub-System – Class 1
Period being reported:	January 1, 2016 to December 31, 2016

<p><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></p> <p>Does your Drinking-Water System serve more than 10,000 people? Yes [X] No []</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [X] No []</p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; padding: 5px;"> <p>Town of Whitchurch-Stouffville 111 Sandiford Drive Stouffville ON, L4A 0Z8 http://www.townofws.ca/en/residents/water-quality.asp</p> </div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: <div style="border: 1px solid black; padding: 2px;">0 – Not Applicable</div> </p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [] No [X]</p> <p>Number of Interested Authorities you report to: <div style="border: 1px solid black; padding: 2px;">0 – Not Applicable</div> </p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [] No [X] Not Applicable</p>
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Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report

List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:

Drinking Water System Name	Drinking Water System Number
Not Applicable	

Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?
Yes [] No [X] Not Applicable



Indicate how you notified system users that your annual report is available, and is free of charge.

- Public access/notice via the web
- Public access/notice via Government Office
- Public access/notice via a newspaper
- Public access/notice via Public Request
- Public access/notice via a Public Library
- Public access/notice via other method _____

Describe your Drinking-Water System

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 MOECC 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.

The Town of Whitchurch-Stouffville owns and operates the Stouffville Water Distribution System, servicing approximately 30,250 residents and businesses in the community of Stouffville and for approximately 20 households on Highway 48.

Presently, this water distribution system infrastructure consists of approximately 132 kilometers of various size watermains, 1438 watermain valves, 997 hydrants and 38 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 and Climate Change of Ontario (MOECC) requirements. In 2011 the MOECC 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 at the Town's Municipal Office (111 Sandiford Dr, Stouffville ON) or on the Town's website 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 Region of York only. Refer to the Region of York website www.york.ca.

Were any significant expenses incurred to?

- Install required equipment
 Repair required equipment
 Replace required equipment

Please provide a brief description and a breakdown of monetary expenses incurred

Watermain Replacement – Maytree Avenue - \$118,000
Watermain Replacement – Elm St. and Fairview Avenue - \$273,000
Watermain Replacement – Main St. (Stouffer St. to Tenth Line) - \$607,000
Watermain Replacement – Greenbury Court - \$119,000

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	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
Nov. 6/16	Presence of Total Coliform	1	CFU/100 mL	Flush and re-sample	Nov. 6/16

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw	Refer to Region of York Annual Report				
Treated	Refer to Region of York Annual Report				
Distribution	818	0-0	0-1	394	0-140

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

	Number of Grab Samples	Range of Results (min #)-(max #)	Unit of Measure
Turbidity	Refer to Region of York Annual Report		
Chlorine	1453	0.53-1.87	mg/L
Fluoride (If the DWS provides fluoridation)	Refer to Region of York Annual Report		

NOTE: For continuous monitors use 8760 as the number of samples.

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 sample results

Note: Refer to Region of York Annual Report for supply and treatment results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony				
Arsenic				
Barium				
Boron				
Cadmium				
Chromium				
*Lead				
Mercury				
Selenium				
Sodium				
Uranium				
Fluoride				
Nitrite	Dec. 9/16	0.003	mg/L	No
Nitrate	Dec. 9/16	0.424	mg/L	No

*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems

Summary of lead testing under Schedule 15.1 during this reporting period

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Unit of Measure	Number of Exceedances
Plumbing	0			
Distribution	13	0.0005	mg/L	0

Summary of Organic parameters sampled during this reporting period or the most recent sample results

Note: Refer to Region of York Annual Report for supply and treatment results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor				
Aldicarb				



Aldrin + Dieldrin				
Atrazine + N-dealkylated metabolites				
Azinphos-methyl				
Bendiocarb				
Benzene				
Benzo(a)pyrene				
Bromoxynil				
Carbaryl				
Carbofuran				
Carbon Tetrachloride				
Chlordane (Total)				
Chlorpyrifos				
Cyanazine				
Diazinon				
Dicamba				
1,2-Dichlorobenzene				
1,4-Dichlorobenzene				
Dichlorodiphenyltrichloroethane (DDT) + metabolites				
1,2-Dichloroethane				
1,1-Dichloroethylene (vinylidene chloride)				
Dichloromethane				
2-4 Dichlorophenol				
2,4-Dichlorophenoxy acetic acid (2,4-D)				
Diclofop-methyl				
Dimethoate				
Dinoseb				
Diquat				
Diuron				
Glyphosate				
HAA (NOTE: show latest annual average)	Running Annual Average	20	ug/l	No
Heptachlor + Heptachlor Epoxide				
Lindane (Total)				
Malathion				
Methoxychlor				
Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				
Parathion				
Pentachlorophenol				
Phorate				



Picloram				
Polychlorinated Biphenyls(PCB)				
Prometryne				
Simazine				
THM (NOTE: show latest annual average)	Running Annual Average	17.0	ug/l	No
Temephos				
Terbufos				
Tetrachloroethylene				
2,3,4,6-Tetrachlorophenol				
Triallate				
Trichloroethylene				
2,4,6-Trichlorophenol				
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)				
Trifluralin				
Vinyl Chloride				

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