

Part III Form 2  
Section 11. ANNUAL REPORT.

<b>Drinking-Water System Number:</b>	260003162
<b>Drinking-Water System Name:</b>	Stouffville Distribution System
<b>Drinking-Water System Owner:</b>	Town of Whitchurch-Stouffville
<b>Drinking-Water System Category:</b>	Water Distribution Sub-System – Class 1
<b>Period being reported:</b>	January 1 <sup>st</sup> , 2010 to December 31 <sup>st</sup> , 2010

<p><b><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></b></p> <p>Does your Drinking-Water System serve more than 10,000 people? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></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 Public Works Department 37 Sandiford Drive, 4<sup>th</sup> Floor Stouffville, Ontario <a href="http://www.townofws.com/TOWN_Publicwater.asp">www.townofws.com/TOWN_Publicwater.asp</a></p> </div>	<p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served: <input style="width: 50px; height: 20px;" type="text"/></p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Number of Interested Authorities you report to: <input style="width: 50px; height: 20px;" type="text"/></p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes <input type="checkbox"/> No <input type="checkbox"/></p>
---	---

**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
None – 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  **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**

The Town of Whitchurch-Stouffville owns and operates the Stouffville Water Distribution System. In 2010, it serviced approximately 22,000 residents and businesses located in the Community of Stouffville.

At present this assumed water system infrastructure consists of approximately 122 kilometers of various size watermains, 1100<sup>+/-</sup> watermain valves and 880<sup>+/-</sup> hydrants.

The safe operation and maintenance of this system is the responsibility of the Town's Public Works Department. Staff is certified in accordance with the Ministry of the Environment of Ontario (MOE) requirements. Activities generally include watermain break repairs, valve exercising and repairs, fire hydrant maintenance, water locate stakeouts and water sampling.

Town staff routinely collects samples throughout the system to ensure that water quality meets provincial standards. The samples are sent to the York-Durham Regional Laboratory, an MOE accredited facility, where microbiological, organic and inorganic tests are performed. In addition to these analyses, the Public Works Department ensures the delivery of safe water by checking for the presence of chlorine residuals in the system on a daily basis. The system is flushed at routine intervals (weekly and monthly at designated locations and the entire system semi-annually) to ensure water quality. For more information on this practice contact the Public Works Department.

In 2009 The Region of York completed the physical construction of a transmission watermain and appurtenances from the Region's Markham reservoir to the Community of Stouffville water distribution system. The commissioning of this new water supply was completed in August of 2010. This additional source of water was necessary to accommodate further growth within this community. The Region of York's 2.1 km transmission watermain was constructed along Stouffville Road from the reservoir located at the south-east corner of Stouffville Road and McCowan Road and was connected to the Towns distribution system at the intersection of Highway 48 and Main Street. The water for this supply originates at Lake Ontario and currently services southern York Region municipalities. The lake (surface) water creates a mixed or blended water supply for the Community of Stouffville. Water treatment for this supply is provided by the Region of York by means of Chlorination and iron control which is the present means of disinfection for the Stouffville water distribution system.

The well water supply to the Stouffville Distribution System is the responsibility of the Regional Municipality of York. Currently the Region owns, operates and maintains in accordance with MOE requirements, five (5) ground production wells and three (3) sites, a ground level reservoir and two (2) elevated storage tanks, of which one (1) the Bethesda Road elevated storage tank location was brought on-line in November of 2006.

For further information on the The Town of Whitchurch-Stouffville water distribution systems refer to the annual water summary report.

For additional information, contact the Regional Municipality of York, Water and Wastewater Branch, 17250 Yonge Street, Newmarket, Ontario, L3Y 6Z1, telephone – 905-895-1200 or visit their website at [www.region.york.on.ca](http://www.region.york.on.ca)

## Drinking-Water Systems Regulation O. Reg. 170/03

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

Not Applicable  
 No chemicals introduced in the distribution system  
 Treatment chemicals introduced at source(s) only by Region of York

**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**

1. **Warriner Street** – water distribution system upgrade (\$45,014.71)
2. **Rupert Avenue** – water distribution system upgrade (\$195,557.34)
3. **Victoria Street** – water distribution system upgrade (\$91,825.17)
4. **Various Locations within the Community of Stouffville** - water system improvements ~ hydrants, valves and services (\$133,064.29)

**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
June 8 <sup>th</sup> , 2010	Low Pressure	0.0	psi	1. Contact Region of York 2. Flush 3. Resample	June 8 <sup>th</sup> , 2010

**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 #)
<b>Raw</b>					
<b>Treated</b>					
<b>Distribution</b>	698	0 - 0	0 - P	325	<1 - 260

**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 #)
<b>Turbidity</b>		
<b>Chlorine</b>	1600	(0.25) - (1.80)
<b>Fluoride</b> (If the DWS provides fluoridation)		

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

*NOTE: Record the unit of measure if it is **not** milligrams per litre.*

## Drinking-Water Systems Regulation O. Reg. 170/03

**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

**Summary of Inorganic parameters tested during this reporting period or the most recent sample results.**

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony				
Arsenic				
Barium				
Boron				
Cadmium				
Chromium				
Lead	April 9,2010	0.0004	mg/L	
Mercury				
Selenium				
Sodium				
Uranium				
Fluoride				
Nitrite				
Nitrate				

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

# Drinking-Water Systems Regulation O. Reg. 170/03

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				
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)	October 20 <sup>th</sup> , 2010	20	ug/L	
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.**

<b>Parameter</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Date of Sample</b>

(Only if DWS category is large municipal residential, small municipal residential, large municipal non residential, non municipal year round residential, large non municipal non residential)