

**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> , 2006 to December 31 <sup>st</sup> , 2006

<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 [T] No [ ]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [T] 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;">                 Town of Whitchurch-Stouffville                  Public Works Department                  37 Sandiford Drive, 4<sup>th</sup> Floor                  Stouffville, Ontario             </div>	<p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served:  <input style="width: 100px; height: 20px;" type="text"/></p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve?                  Yes [ ] No [ ]</p> <p>Number of Interested Authorities you report to: <input style="width: 100px; 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 [ ] No [ ]</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
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 [T] 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 2006, it serviced 15,000 residents and businesses located in the Community of Stouffville.

At present this water system consists of approximately 80 kilometres of various size watermains, 700+ watermain valves and 500+ hydrants. In 2006 two (2) new pressure zones were brought on-line.

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.

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 twice annually to ensure water quality.

The supply of water 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 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)

### **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**

**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 27/06	Exceedence of Sodium (Na)	33.9mg/L	0.2mg/L	Re-sample & Resolution Form (2a & b)	July 4/06
July 5/06	Total Coliform	Present using P/A test	P/A/100ml confirmed	Re-sample	July 6/06
September 13/06	Exceedence of Sodium (Na)	43.8 mg/L	0.2mg/L	Re-sample & Resolution Form (2a & b)	September 26/06
October 2/06	Total Coliform	Present using P/A test	P/A/100ml confirmed	Re-sample	October 10/06

**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>	415	0 - P	0 - 0	193	<1 - 360

**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>	811	(0.19) - (2.20)
<b>Fluoride (If the DWS provides fluoridation)</b>		

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

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

**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	June 12/06	0.0007	mg/l	
Mercury				
Selenium				
Sodium	Sept. 14/06	43.8	mg/l	
Uranium				
Fluoride	Sept. 13/06	0.08	mg/l	
Nitrite	Sept. 13/06	< 0.05	mg/l	
Nitrate	Sept. 13/06	0.32	mg/l	

**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				

<b>Chlordane (Total)</b>				
<b>Chlorpyrifos</b>				
<b>Cyanazine</b>				
<b>Diazinon</b>				
<b>Dicamba</b>				
<b>1,2-Dichlorobenzene</b>				
<b>1,4-Dichlorobenzene</b>				
<b>Dichlorodiphenyltrichloroethane (DDT) + metabolites</b>				
<b>1,2-Dichloroethane</b>				
<b>1,1-Dichloroethylene (vinylidene chloride)</b>				
<b>Dichloromethane</b>				
<b>2-4 Dichlorophenol</b>				
<b>2,4-Dichlorophenoxy acetic acid (2,4-D)</b>				
<b>Diclofop-methyl</b>				
<b>Dimethoate</b>				
<b>Dinoseb</b>				
<b>Diquat</b>				
<b>Diuron</b>				
<b>Glyphosate</b>				
<b>Heptachlor + Heptachlor Epoxide</b>				
<b>Lindane (Total)</b>				
<b>Malathion</b>				
<b>Methoxychlor</b>				
<b>Metolachlor</b>				
<b>Metribuzin</b>				
<b>Monochlorobenzene</b>				
<b>Paraquat</b>				
<b>Parathion</b>				
<b>Pentachlorophenol</b>				
<b>Phorate</b>				
<b>Picloram</b>				
<b>Polychlorinated Biphenyls(PCB)</b>				
<b>Prometryne</b>				
<b>Simazine</b>				
<b>THM (NOTE: show latest annual average)</b>	December 4/2006	19.5	ug/L	
<b>Temephos</b>				
<b>Terbufos</b>				
<b>Tetrachloroethylene</b>				
<b>2,3,4,6-Tetrachlorophenol</b>				
<b>Triallate</b>				
<b>Trichloroethylene</b>				
<b>2,4,6-Trichlorophenol</b>				

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

**(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)**