

ANNUAL REPORT**Drinking Water System Number: 260001250****Drinking Water System Name: St. Andrews/Rosedale Distribution System****Drinking Water System Owner: Township of South Stormont****Drinking Water System Category: Large Municipal Residential****Period being reported: January 1 - December 31, 2007****Is this a Large Municipal Drinking-Water System serving more than 10,000 people? No****If yes, is your annual report available to the public at no charge on a web site on the Internet?****Location of Summary Report required under O.Reg.170/03 section 22.****For Large Municipal Residential or Small Municipal Residential only**

Township of South Stormont, 4949 County Road 18, Ingleside, ON

Number of Designated Facilities served: 0**Any of the following category may be serving a designated facility : large municipal non residential, small municipal non residential, large non municipal non residential, small non municipal non residential, non municipal year round residential, non municipal seasonal residential****Did you provide a copy of your annual report to all Designated Facilities you serve?**

N/A

Number of Interested Authorities reporting to: 0**Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? N/A****Number of Drinking-Water Systems your system is connected to and provides all of its drinking water to: 0****Did you provide a copy of your annual report to all system owners that are connected to you and to whom you provide all of its drinking water? N/A****Indicate how you notified your system users that your annual report is available 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 enters from the Cornwall Distribution System at two points, one on Mack Street and one at the corner of Highway 138 and Cornwall Centre Road. Each of these locations contains a metering chamber, which is owned and monitored by the City of Cornwall. In each of these metering chambers, a system of check valves has been installed to prevent backflow into the Cornwall Distribution System.

The re-chlorination booster facility is located on Hwy. 138. The boost pumps installed within the re-chlorination facility have a rated capacity of 10.4 L/s at 12.5 m TDH. The sodium hypochlorite chemical feed system consists of a duplex (duty & standby) chemical metering pump system with automatic switchover and dual injection points. A free chlorine analyzer monitors the free chlorine residual of the discharge side of the boost pumps.

The elevated tank is located on the south side of County Road 18. It has a ground elevation of 71.5m. The tower's overflow is at an elevation of 120.3 m. The main water storage cavity is 9.4 m in diameter. It has an effective capacity of 770 m³. It is fed and emptied via a 200 mm diameter riser.

The tower is equipped with a Rosemount pressure sensor, which sends signals to the lift station to turn the pumps on or off.

List all water treatment chemicals used over the reporting period.

Sodium hypochlorite

Where any significant expenses incurred during this reporting period?

- Install required equipment: No
- Repair required equipment: No
- Replace required equipment: No

Describe (if yes to any of above)

List any notice(s) in accordance with subsection 18(1) of the Act or section 16-4 of Schedule 16 of O.Reg.170/03 were reported to Spills Action Centre?

Incident Date	Parameter	Result	Corrective Action	Corrective Action Date
Feb 10/07	Water main break		Repaired break and flushed hydrants	Feb. 10/11/07

Microbiological testing done during the period covered in the report

Drinking-Water Systems Regulation O. Reg 170/03

(Note: Large Municipal Residential may express the general bacteria population as background colony counts on the total coliform membrane filter or as colony counts on a heterotrophic plate count)

	Number of Samples	Range of E.Coli or Fecal Results	Range of Total Coliform Results	Number of Background Samples	Range of Background Results
Raw					
Treated					
Distribution	122	0-<1	0-<1	48	4-110

Operational testing done under schedule 7, 8 or 9 during the period covered by this report. (Please indicate range of results if using continuous monitoring devices)

	Number of Samples	Range of Results
Turbidity		
Distribution Chlorine	8760	0.06-3.68
Fluoride (If the drinking-water system provides fluoridation)		

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

Date of order or C of A	Sample Type	Parameter	Number of Samples	Sample Date	Result

Summary of inorganic parameters tested during the period covered in the report or most recent results. (Expressed in mg/L)

Parameter	Sample Date	Result Value	Exceedence
Antimony			
Arsenic			
Barium			
Boron			
Cadmium			
Chromium			
Lead	04/06/07	0.00016	
Mercury			
Selenium			
Uranium			
Fluoride			
Sodium			
Nitrate			
Nitrite			

Summary of organic parameters sampled during this reporting period or most recent results. (Expressed in milligrams/L)

Drinking-Water Systems Regulation O. Reg 170/03

Parameter	Sample Date	Result Value	Exceed.
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			
Dichlorodiphenyl trichloroethane (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			

Parameter	Sample Date	Result Value	Exceed.
Glyphosate			
Heptachlor + Heptachlor Epoxide			
Linadane (Total)			
Malathion			
Methoxychlor			
Metolachlor			
Metribuzin			
Monochlorobenzene			
Paraquat			
Parathion			
Pentachlorophenol			
Phorate			
Picloram			
Polychlorinated Biphenyls(PCB)			
Promethyne			
Simazine			
Temephos			
Terbufos			
Tetrachloroethylene (perchloroethylene)			
2,3,4,6-Tetrachlorophenol			
Triallate			
Trichloroethylene			
2,4,6-Trichlorophenol			
2,4,5-Trichlorophenoxy acetic acid(2,4,5-T)			
Trifluralin			
Vinyl Chloride			
THM	12/02/07	0.0032	
	04/06/07	0.0030	
	13/08/07	0.0044	
	22/10/07	0.0021	

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	Sample Date	MAC or IMAC

Applies to the following category : large municipal residential, small municipal residential, large municipal non residential, small municipal non residential, large non municipal non residential

Note: if the sampling and testing frequency has been increased for any parameter in this reporting period, please insert additional rows to the tables to accommodate all the test results.