

**Part III Form 2  
Section 11. ANNUAL REPORT.**

<b>Drinking-Water System Number:</b>	260026767
<b>Drinking-Water System Name:</b>	Thornton Community Centre Well Supply
<b>Drinking-Water System Owner:</b>	Corporation Township of Essa
<b>Drinking-Water System Category:</b>	Small Municipal Non Residential
<b>Period being reported:</b>	August 5, 2003 through November 21, 2003

<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 [ ] No [ ]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [ ] No [ ]</p> <p>Location where Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; height: 100px; width: 100%;"></div>	<p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served:  <div style="border: 1px solid black; padding: 2px; display: inline-block;">N/A</div></p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve?          Yes [ ] No [ ] <u>N/A</u></p> <p>Number of Interested Authorities you report to:  <div style="border: 1px solid black; padding: 2px; display: inline-block;">N/A</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 [ ] <u>N/A</u></p>
---	---

**List Drinking-Water Systems, which receive all of their drinking water from your system:**

N/A

**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 [ ] N/A

**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 Thornton Community Centre Well Supply consisted of one drilled well from which well water was pumped to service the Thornton Community Centre (Ice Arena, Community Centre). Primary disinfection was provided utilizing an Ultraviolet reactor, prior to the drinking water entering the plumbing system. This treated drinking water was used primarily for public washrooms and ice arena maintenance purposes, however, water was also used in a food serving kiosk. All parts of the plumbing connected to this drinking water system that were downstream of the UV Primary disinfection equipment were enclosed within the building.**

**On November 21, 2003 the Thornton Community Centre was disconnected from the Thornton Community Centre Well Supply. The piping has been physically removed and electrical power to the former well isolated. The Thornton Community Centre Well Supply ceased at that time to provide drinking water to the public. The Thornton Community Centre was connected to and serviced by the Thornton (Camilla) Well Supply System, Large Municipal classification water works # 22003902. As noted the owner, The Corporation of the Township of Essa, Friday November 21, 2003, completed this work.**

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

**UV, no additional treatment chemicals were utilized during this reporting period, achieved primary Disinfection at the Thornton Community Centre.**

**Were any significant expenses incurred to?**

- Install required equipment  
 Repair required equipment  
 Replace required equipment

**Describe**

**Costs incurred to disconnect facility from Thornton Community Centre Well Supply and make service connection to Thornton (Camilla) Well Supply System, Large Municipal Residential Well Supply.**

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

**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 (mm/dd/yy)	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date (mm/dd/yy)
08/05/03	Total Coliform	3	CFU/100ml	Adverse Test Result reported to MOH and MOE, 08/07/03 AWQI 13749. The plumbing system was flushed and a resamples collected August 7, 2003 at 14:30. The resample showed no further indication of adverse water. Issue Resolution Provided August 12, 2003.	08/07/03
09/29/03	Sodium	124	mg/l	Adverse exceedence reported to MOH and MOE Octoberr 14, 2003. AWQI 18232. Resample collected October 14, 2003 also exceeded with result of 109mg/l. As this was an exceedence based on a resample it was reported to the MOH October 27, 2003. It was discussed that the municipalities intentions are to connect the facility serviced by the well supply to the municipal system of Thornton. No further direction was provided from the MOH at the time of the report.	

**Microbiological testing done under section 8 (2) during this reporting period**

	Number of Samples	Range of E.Coli or Fecal Results (#-#)	Range of Total Coliform Results (#-#)	Number of HPC Samples	Range of HPC Results (#-#)
Raw Drinking Water	4	0 - 0	0 - 8	N/A	
Distribution/Plumbing Drinking Water UnTreated	16	0 - 0	0 - 3	16	0 - 117

**Operational testing done under Schedule 7, 8 or 9 during the period covered by this Annual Report.**

	Number of Grab Samples	Range of Results (#-#)
Raw Turbidity NTU	None	
Chlorine	None	
Fluoride (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.*

**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	Parameter	Date Sampled	Result	Unit of Measure

**Summary of Inorganic parameters tested during this reporting period or most recent at the Thornton Community Centre Well Supply**

Parameter	Sample Date (mm/dd/yy)	Result Value	Sample Date (mm/dd/yy)	Result Value	Sample Date (mm/dd/yy)	Result Value	Sample Date (mm/dd/yy)	Result Value	Unit of Meas.	Exceedances
Antimony					29/09/03	0.6			ug/l	None
Arsenic					29/09/03	2			ug/l	None
Barium					29/09/03	5			ug/l	None
Boron					29/09/03	13			ug/l	None
Cadmium					29/09/03	0.1			ug/l	None
Chromium					29/09/03	3			ug/l	None
Lead					29/09/03	0.6			ug/l	None
Mercury					29/09/03	0.1			ug/l	None
Selenium					29/09/03	3			ug/l	None
Uranium					29/09/03	0.27			ug/l	None
Sodium							10/14/03	109	mg/l	None
Fluoride					29/09/03	0.07			mg/l	None

Nitrite					29/09/03	0.031	10/27/03	0.011	mg/l	None
Nitrate					29/09/03	0.055	10/27/03	0.040	mg/l	None

**Summary of Organic parameters sampled during this reporting period or most recent at the Thornton Community Centre Well Supply**

Parameter	Sample Date (mm/dd/yy)	Result Value	Sample Date (mm/dd/yy)	Result Value	Sample Date (mm/dd/yy)	Result Value	Sample Date (mm/dd/yy)	Result Value	Unit of Meas	Exceed.
Alachlor					29/09/03	0.11			ug/l	None
Aldicarb					29/09/03	0.30			ug/l	None
Aldrin + Dieldrin					29/09/03	0.067			ug/l	None
Atrazine + N-dealkylated metabolites					29/09/03	0.12			ug/l	None
Azinphos-methyl					29/09/03	0.21			ug/l	None
Bendiocarb					29/09/03	0.13			ug/l	None
Benzene					29/09/03	0.36			ug/l	None
Benzo(a)pyrene									ug/l	None
Bromoxynil					29/09/03	0.094			ug/l	None
Carbaryl					29/09/03	0.16			ug/l	None
Carbofuran					29/09/03	0.37			ug/l	None
Carbon Tetrachloride					29/09/03	0.34			ug/l	None
Chlordane (Total)					29/09/03	0.11			ug/l	None
Chlorpyrifos					29/09/03	0.18			ug/l	None
Cyanazine					29/09/03	0.18			ug/l	None
Diazinon					29/09/03	2			ug/l	None
Dicamba					29/09/03	10			ug/l	None
1,2-Dichlorobenzene					29/09/03	0.56			ug/l	None
1,4-Dichlorobenzene					29/09/03	0.25			ug/l	None
Dichlorodiphenyltrichloroethane (DDT) + metabolites					29/09/03	0.14			ug/l	None
1,2-Dichloroethane					29/09/03	0.32			ug/l	None
1,1-Dichloroethylene (vinylidene chloride)					29/09/03	0.52			ug/l	None
Dichloromethane					29/09/03	1.17			ug/l	None
2,4-Dichlorophenol					29/09/03	0.15			ug/l	None
2,4-Dichlorophenoxy acetic acid (2,4-D)					29/09/03	0.11			ug/l	None
Diclofop-methyl					29/09/03	0.13			ug/l	None
Dimethoate					29/09/03	0.12			ug/l	None
Dinoseb					29/09/03	0.084			ug/l	None

Diquat				29/09/03	1			ug/l	None
Diuron				29/09/03	0.087			ug/l	None
Glyphosate				29/09/03	6			ug/l	None
Heptachlor + Heptachlor Epoxide				29/09/03	0.11			ug/l	None
Linadane (Total)				29/09/03	0.056			ug/l	None
Malathion				29/09/03	0.091			ug/l	None
Methoxychlor				29/09/03	0.14			ug/l	None
Metolachlor				29/09/03	5			ug/l	None
Metribuzin				29/09/03	0.12			ug/l	None
Monochlorobenzene				29/09/03	0.46			ug/l	None
Paraquat				29/09/03	1			ug/l	None
Parathion				29/09/03	0.18			ug/l	None
Pentachlorophenol				29/09/03	0.15			ug/l	None
Phorate				29/09/03	0.5			ug/l	None
Picloram				29/09/03	0.20			ug/l	None
Polychlorinated Biphenyls(PCB)				29/09/03	0.04			ug/l	None
Promethyne				29/09/03	0.23			ug/l	None
Simazine				29/09/03	0.15			ug/l	None
THM (NOTE: show latest quarterly average)				29/09/03	NA			ug/l	None
Temephos				29/09/03	0.31			ug/l	None
Terbufos				29/09/03	0.7			ug/l	None
Tetrachloroethylene				29/09/03	0.48			ug/l	None
2,3,4,6-Tetrachlorophenol				29/09/03	0.14			ug/l	None
Triallate				29/09/03	.10			ug/l	None
Trichloroethylene				29/09/03	0.54			ug/l	None
2,4,6-Trichlorophenol				29/09/03	0.25			ug/l	None
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)				29/09/03	0.14			ug/l	None
Trifluralin				29/09/03	0.12			ug/l	None
Vinyl Chloride				29/09/03	0.08			ug/l	None

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 category is large municipal residential, small municipal residential, large municipal non residential, small municipal non residential, large non municipal non residential)