



**OPTIONAL ANNUAL REPORT TEMPLATE**

<b>Drinking-Water System Number:</b>	220008140
<b>Drinking-Water System Name:</b>	Barwick Well Supply
<b>Drinking-Water System Owner:</b>	Corporation of the Township of Chapple
<b>Drinking-Water System Category:</b>	Small Municipal Residential System
<b>Period being reported:</b>	January 1, 2009 to December 31, 2009

<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 [ x ]</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> <table border="1" style="width: 100%;"> <tr> <td>Chapple Municipal Office Chapple Water Treatment Plant</td> </tr> </table>	Chapple Municipal Office Chapple Water Treatment Plant	<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>
Chapple Municipal Office Chapple Water Treatment Plant		

**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

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 [ ]



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 Newsletter\_\_\_\_\_

**Describe your Drinking-Water System**

Ground water treatment plant with softening, coagulation, flocculation, sedimentation, filtration, chlorination and pH adjustment

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

Lime, Carbon Dioxide gas, and Sodium-Hypochlorite 12%

**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**

There was a leak on a T coming off the distribution pump on the distribution header. Repairs were made by JTJ contracting.

**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



**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	47	Absent	36 - Absent 11 - Present		
Treated	2	Absent	Absent		
Distribution	27	Absent	Absent	27	0 - 10

**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 #)
Turbidity	8760	.016 - .074
Chlorine	8760	.27 - .89
Fluoride (If the DWS provides fluoridation)	N/A	

*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	Nov 15/05	<1	Ug/l	No
Arsenic	Nov 15/05	<1	Ug/l	No
Barium	Nov 15/05	<10	Ug/l	No
Boron	Nov 15/05	100	Ug/l	No
Cadmium	Nov 15/05	<0.1	Ug/l	No
Chromium	Nov 15/05	3	Ug/l	No
*Lead				
Mercury	Nov 15/05	<0.1	Ug/l	No
Selenium	Nov 15/05	<5	Ug/l	No



<b>Sodium</b>	Sept 13/06	23.9	Mg/l	Yes
<b>Uranium</b>	Nov 15/05	<5	Ug/l	No
<b>Fluoride</b>	Mar 7/05	.10	Mg/l	No
<b>Nitrite</b>	Dec 8/09	<.02	Mg/l	No
<b>Nitrate</b>	Dec 8/09	.19	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)

<b>Location Type</b>	<b>Number of Samples</b>	<b>Range of Lead Results (min#) – (max #)</b>	<b>Number of Exceedances</b>
<b>Plumbing</b>	Oct 6-7, 2008 11 samples collected	<1 ug/L – 6 ug/L	<b>0</b>
<b>Distribution</b>	Oct 6-7, 2008 2 samples collected	<1 mg/L- <1 mg/L	<b>0</b>

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

<b>Parameter</b>	<b>Sample Date</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Exceedance</b>
<b>Alachlor</b>	Mar 7/06	<.1	ug/l	No
<b>Aldicarb</b>	Mar 7/06	<9	ug/l	No
<b>Aldrin + Dieldrin</b>	Mar 7/06	<.04	ug/l	No
<b>Atrazine + N-dealkylated metabolites</b>	Mar 7/06	<.2	ug/l	No
<b>Azinphos-methyl</b>	Mar 7/06	<.1	ug/l	No
<b>Bendiocarb</b>	Mar 7/06	<.2	ug/l	No
<b>Benzene</b>	Mar 7/06	<.5	ug/l	No
<b>Benzo(a)pyrene</b>	Mar 7/06	<.01	ug/l	No
<b>Bromoxynil</b>	Mar 7/06	<.2	ug/l	No
<b>Carbaryl</b>	Mar 7/06	<.2	ug/l	No
<b>Carbofuran</b>	Mar 7/06	<.2	ug/l	No
<b>Carbon Tetrachloride</b>	Mar 7/06	<.5	ug/l	No
<b>Chlordane (Total)</b>	Mar 7/06	<.3	ug/l	No
<b>Chlorpyrifos</b>	Mar 7/06	<.1	ug/l	No
<b>Cyanazine</b>	Mar 7/06	<.1	ug/l	No
<b>Diazinon</b>	Mar 7/06	<.1	ug/l	No
<b>Dicamba</b>	Mar 7/06	<.2	ug/l	No
<b>1,2-Dichlorobenzene</b>	Mar 7/06	<.5	ug/l	No
<b>1,4-Dichlorobenzene</b>	Mar 7/06	<.5	ug/l	No
<b>Dichlorodiphenyltrichloroethane (DDT) + metabolites</b>	Mar 7/06	<.4	ug/l	No



1,2-Dichloroethane	Mar 7/06	<.5	ug/l	No
1,1-Dichloroethylene (vinylidene chloride)	Mar 7/06	<.5	ug/l	No
Dichloromethane	Mar 7/06	<.5	ug/l	No
2-4 Dichlorophenol	Mar 7/06	<.5	ug/l	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	Mar 7/06	<.2	ug/l	No
Diclofop-methyl	Mar 7/06	<.2	ug/l	No
Dimethoate	Mar 7/06	<.1	ug/l	No
Dinoseb	Mar 7/06	<.2	ug/l	No
Diquat	Mar 7/06	<7	ug/l	No
Diuron	Mar 7/06	<10	ug/l	No
Glyphosate	Mar 7/06	<10	ug/l	No
Heptachlor + Heptachlor Epoxide	Mar 7/06	<.2	ug/l	No
Lindane (Total)	Mar 7/06	<.1	ug/l	No
Malathion	Mar 7/06	<.1	ug/l	No
Methoxychlor	Mar 7/06	<.1	ug/l	No
Metolachlor	Mar 7/06	<.1	ug/l	No
Metribuzin	Mar 7/06	<.1	ug/l	No
Monochlorobenzene	Mar 7/06	<.5	ug/l	No
Paraquat	Mar 7/06	<1	ug/l	No
Parathion	Mar 7/06	<.1	ug/l	No
Pentachlorophenol	Mar 7/06	<.5	ug/l	No
Phorate	Mar 7/06	<.1	ug/l	No
Picloram	Mar 7/06	<.2	ug/l	No
Polychlorinated Biphenyls(PCB)	Mar 7/06	<.06	ug/l	No
Prometryne	Mar 7/06	<.1	ug/l	No
Simazine	Mar 7/06	<.1	ug/l	No
THM (NOTE: show latest annual average)	2009 Average	45.1	ug/l	No
Temephos	Mar 7/06	<.1	ug/l	No
Terbufos	Mar 7/06	<.2	ug/l	No
Tetrachloroethylene	Mar 7/06	<.5	ug/l	No
2,3,4,6-Tetrachlorophenol	Mar 7/06	<.5	ug/l	No
Triallate	Mar 7/06	<.1	ug/l	No
Trichloroethylene	Mar 7/06	<.5	ug/l	No
2,4,6-Trichlorophenol	Mar 7/06	<.5	ug/l	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	Mar 7/06	<.2	ug/l	No
Trifluralin	Mar 7/06	<.1	ug/l	No
Vinyl Chloride	Mar 7/06	<.5	ug/l	No

**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



--	--	--	--