



OPTIONAL ANNUAL REPORT TEMPLATE

Drinking-Water System Number:	220008140
Drinking-Water System Name:	Barwick Well Supply
Drinking-Water System Owner:	Corporation of the Township of Chapple
Drinking-Water System Category:	Small Municipal Residential System
Period being reported:	January 1, 2010 to December 31, 2010

<p><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></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><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: <input 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 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

- Replaced Raw Water Control Valve (2") with matching valve that is 1.5" instead due to the fact of the lower production flow rate.
- Replaced LMI Back up pump with a matching Aldos pump therefore making it the same as the primary pump.
- Repaired Raw Water Pipe due to a pipe separation.

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	36	Absent	32 - Absent 4 - Present		
Treated					
Distribution	26	Absent	Absent	26	0 - 57

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 - .187
Chlorine	8760	.26 - .70
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 24/10	<0.60	Ug/l	No
Arsenic	Nov 24/10	<1	Ug/l	No
Barium	Nov 24/10	<10	Ug/l	No
Boron	Nov 24/10	84	Ug/l	No
Cadmium	Nov 24/10	<0.1	Ug/l	No



Chromium	Nov 24/10	3.8	Ug/l	No
*Lead				
Mercury	Nov 24/10	<0.10	Ug/l	No
Selenium	Nov 24/10	<1.0	Ug/l	No
Sodium	Sept 13/06	23.9	Mg/l	Yes
Uranium	Nov 24/10	<2.0	Ug/l	No
Fluoride	Mar 15/10	0.081	Mg/l	No
Nitrite	Dec 20/10	<0.10	Mg/l	No
Nitrate	Dec 20/10	0.20	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)

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

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	Mar 7/06	<.1	ug/l	No
Aldicarb	Mar 7/06	<9	ug/l	No
Aldrin + Dieldrin	Mar 7/06	<.04	ug/l	No
Atrazine + N-dealkylated metabolites	Mar 7/06	<.2	ug/l	No
Azinphos-methyl	Mar 7/06	<.1	ug/l	No
Bendiocarb	Mar 7/06	<.2	ug/l	No
Benzene	Mar 7/06	<.5	ug/l	No
Benzo(a)pyrene	Mar 7/06	<.01	ug/l	No
Bromoxynil	Mar 7/06	<.2	ug/l	No
Carbaryl	Mar 7/06	<.2	ug/l	No
Carbofuran	Mar 7/06	<.2	ug/l	No
Carbon Tetrachloride	Mar 7/06	<.5	ug/l	No
Chlordane (Total)	Mar 7/06	<.3	ug/l	No
Chlorpyrifos	Mar 7/06	<.1	ug/l	No
Cyanazine	Mar 7/06	<.1	ug/l	No
Diazinon	Mar 7/06	<.1	ug/l	No
Dicamba	Mar 7/06	<.2	ug/l	No



1,2-Dichlorobenzene	Mar 7/06	<.5	ug/l	No
1,4-Dichlorobenzene	Mar 7/06	<.5	ug/l	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	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)	2010 Average	56.2	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
Sodium	23.9	Mg/l	Sept 13, 2006