

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

Drinking-Water System Number:	210002183
Drinking-Water System Name:	Marsville Subdivision Well Water Supply System
Drinking-Water System Owner:	Township of East Garafraxa
Drinking-Water System Category:	Small Municipal Residential
Period being reported:	January 01, 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> <div style="border: 1px solid black; padding: 5px;"> Township of East Garafraxa RR #7 Orangeville ON L9W 2Z3 </div>	<p><u>Complete for all other Categories.</u></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 []</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 [] – N/A</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
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: Newsletter circulated to property owners

Describe your Drinking-Water System

The Marsville Subdivision Well Water Supply System is supplied with water from a single well ground water source. The system consists of the well, pumping station and distribution mains. The water is disinfected with sodium hypochlorite and distributed to 33 homes servicing approximately 80 to 90 people.

Licensed operations staff regularly water quality within the system including raw water, treated water and distribution water.

The results of this testing is summarized in the following sections of the report. Detailed results and calculations showing flows are available at the Township Office.

List all water treatment chemicals used over this reporting period

Sodium Hypochlorite (12% solution – NSF Food Grade)

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

Install New Pressure Tanks - \$4000

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	12	0	0	0	n.a.
Treated	n.a	n.a	n.a	n.a	n.a
Distribution	52	0	0	52	0-4

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 Raw Water	12	0.12 to 0.48 NTU
Chlorine Treated Water	8760	0.86 to 2.50
Chlorine Dist. Water	365	0.92-1.74
Fluoride (If the DWS provides fluoridation)	N/A	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	July 24/09	ND	ug/l	No
Arsenic	July 24/09	5	ug/l	No
Barium	July 24/09	31	ug/l	No
Boron	July 24/09	51	ug/l	No
Cadmium	July 24/09	ND	ug/l	No
Chromium	July 24/09	ND	ug/l	No
Lead	Oct 15/09	1.5 - 2.7	ug/l	No
Mercury	July 24/09	ND	ug/l	No
Selenium	July 24/09	ND	ug/l	No

Sodium	July 24/09	15	Mg/l	No
Uranium	July 24/09	0.4	ug/l	No
Fluoride	Jul 31/06	0.5	Mg/l	No
Nitrite	Dec 13/10	ND	Mg/L	No
Nitrate	Dec 13/10	ND	Mg/L	No

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	Jul 24/09	ND	ug/l	No
Aldicarb	Jul 24/09	ND	ug/l	No
Aldrin + Dieldrin	Jul 24/09	ND	ug/l	No
Atrazine + N-dealkylated metabolites	Jul 24/09	ND	ug/l	No
Azinphos-methyl	Jul 24/09	ND	ug/l	No
Bendiocarb	Jul 24/09	ND	ug/l	No
Benzene	Jul 24/09	ND	ug/l	No
Benzo(a)pyrene	Jul 24/09	ND	ug/l	No
Bromoxynil	Jul 24/09	ND	ug/l	No
Carbaryl	Jul 24/09	ND	ug/l	No
Carbofuran	Jul 24/09	ND	ug/l	No
Carbon Tetrachloride	Jul 24/09	ND	ug/l	No
Chlordane (Total)	Jul 24/09	ND	ug/l	No
Chlorpyrifos	Jul 24/09	ND	ug/l	No
Cyanazine	Jul 24/09	ND	ug/l	No
Diazinon	Jul 24/09	ND	ug/l	No
Dicamba	Jul 24/09	ND	ug/l	No
1,2-Dichlorobenzene	Jul 24/09	ND	ug/l	No
1,4-Dichlorobenzene	Jul 24/09	ND	ug/l	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	Jul 24/09	ND	ug/l	No
1,2-Dichloroethane	Jul 24/09	ND	ug/l	No
1,1-Dichloroethylene (vinylidene chloride)	Jul 24/09	ND	ug/l	No
Dichloromethane	Jul 24/09	ND	ug/l	No
2-4 Dichlorophenol	Jul 24/09	ND	ug/l	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	Jul 24/09	ND	ug/l	No
Diclofop-methyl	Jul 24/09	ND	ug/l	No
Dimethoate	Jul 24/09	ND	ug/l	No
Dinoseb	Jul 24/09	ND	ug/l	No
Diquat	Jul 24/09	ND	ug/l	No
Diuron	Jul 24/09	ND	ug/l	No
Glyphosate	Jul 24/09	ND	ug/l	No
Heptachlor + Heptachlor Epoxide	Jul 24/09	ND	ug/l	No
Lindane (Total)	Jul 24/09	ND	ug/l	No

Malathion	Jul 24/09	ND	ug/l	No
Methoxychlor	Jul 24/09	ND	ug/l	No
Metolachlor	Jul 24/09	ND	ug/l	No
Metribuzin	Jul 24/09	ND	ug/l	No
Monochlorobenzene	Jul 24/09	ND	ug/l	No
Paraquat	Jul 24/09	ND	ug/l	No
Parathion	Jul 24/09	ND	ug/l	No
Pentachlorophenol	Jul 24/09	ND	ug/l	No
Phorate	Jul 24/09	ND	ug/l	No
Picloram	Jul 24/09	ND	ug/l	No
Polychlorinated Biphenyls(PCB)	Jul 24/09	ND	ug/l	No
Prometryne	Jul 24/09	ND	ug/l	No
Simazine	Jul 24/09	ND	ug/l	No
THM (NOTE: show latest annual average)	Average 2010	5.8	ug/l	No
Temephos	Jul 24/09	ND	ug/l	No
Terbufos	Jul 24/09	ND	ug/l	No
Tetrachloroethylene	Jul 24/09	ND	ug/l	No
2,3,4,6-Tetrachlorophenol	Jul 24/09	ND	ug/l	No
Triallate	Jul 24/09	ND	ug/l	No
Trichloroethylene	Jul 24/09	ND	ug/l	No
2,4,6-Trichlorophenol	Jul 24/09	ND	ug/l	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	Jul 24/09	ND	ug/l	No
Trifluralin	Jul 24/09	ND	ug/l	No
Vinyl Chloride	Jul 24/09	ND	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

(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)