

**OPTIONAL ANNUAL REPORT TEMPLATE**

<b>Drinking Water System Number:</b>	21002183
<b>Drinking Water System Name:</b>	Marsville Subdivision Well Water Supply System
<b>Drinking Water System Owner:</b>	Township of East Garafraxa
<b>Drinking Water System Category:</b>	Small Municipal Residential
<b>Period being reported:</b>	January 01, 2021 to December 31, 2021

<p><b><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></b></p> <p><b>Does your Drinking Water System serve more than 10,000 people? Yes [ ] No [x]</b></p> <p><b>Is your annual report available to the public at no charge on a web site on the Internet? Yes [X] No [ ]</b></p> <p><b>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</b></p> <div style="border: 1px solid black; padding: 5px;"> <p>Township of East Garafraxa 065371 Dufferin County Road 3, Unit 2 East Garafraxa ON L9w 7J8</p> </div>	<p><b><u>Complete for all other Categories</u></b></p> <p><b>Number of Designated Facilities served:</b></p> <div style="border: 1px solid black; width: 100px; text-align: center; margin: 5px;">0</div> <p><b>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [ ] No [ ]</b></p> <p><b>Number of Interested Authorities you report to:</b></p> <div style="border: 1px solid black; width: 100px; text-align: center; margin: 5px;">0</div> <p><b>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [ ] No [ ]</b></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 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 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 \_\_\_\_\_

**Describe your Drinking Water System**

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 test water quality within the system including raw water, treated water and distribution water

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

12 % Sodium Hypochlorite

**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**

\$2K to replace aging chlorine data logger

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
N/A					
N/A					

**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 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	0	N/A	N/A	N/A	N/A
Distribution	52	0	0	52	0 to 14

**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#)	Unit of Measure
Turbidity	12	0.19 – 0.48	NTU
Chlorine	8760	0.64 to 2.65	mg/L
Fluoride (If the DWS provides fluoridation)	N/A	N/A	N/A

**NOTE: For continuous monitors use 8760 as the number of samples**

**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
N/A				
N/A				

**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	Aug 28/17	ND	ug/L	NO
Arsenic	Aug 28/17	ND	ug/L	NO
Barium	Aug 28/17	9.5	ug/L	NO
Boron	Aug 28/17	41	ug/L	NO
Cadmium	Aug 28/17	ND	ug/L	NO
Chromium	Aug 28/17	ND	ug/L	NO
*Lead	N/A	N/A	N/A	N/A
Mercury	Aug 28/17	ND	ug/L	NO
Selenium	Aug 28/17	ND	ug/L	NO
Sodium	Aug 28/17	16	mg/L	NO
Uranium	Aug 28/17	ND	ug/L	NO
Fluoride	Aug 28/17	1.4	mg/L	NO
Nitrite	Dec 21/21	ND	ug/L	NO
Nitrate	Dec 21/21	ND	ug/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 #)	Unit of Measure	Number of Exceedances
Plumbing				
Distribution	2	1.7 to 2.0	ug/L	Zero

**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	Aug 28/17	ND	ug/L	NO
Atrazine+N-dealkylatedmetabolites	Aug 28/17	ND	ug/L	NO
Azinphos-methyl	Aug 28/17	ND	ug/L	NO
Benzene	Aug 28/17	ND	ug/L	NO
Benzo(a)pyrene	Aug 28/17	ND	ug/L	NO
Bromoxynil	Aug 28/17	ND	ug/L	NO
Carbaryl	Aug 28/17	ND	ug/L	NO
Carbofuran	Aug 28/17	ND	ug/L	NO
CarbonTetrachloride	Aug 28/17	ND	ug/L	NO
Chlorpyrifos	Aug 28/17	ND	ug/L	NO
Diazinon	Aug 28/17	ND	ug/L	NO
Dicamba	Aug 28/17	ND	ug/L	NO
1,2-Dichlorobenzene	Aug 28/17	ND	ug/L	NO
1,4-Dichlorobenzene	Aug 28/17	ND	ug/L	NO
1,2-Dichloroethane	Aug 28/17	ND	ug/L	NO
1,1-Dichloroethylene(vinylidenechloride)	Aug 28/17	ND	ug/L	NO
Dichloromethane	Aug 28/17	ND	ug/L	NO
2,4Dichlorophenol	Aug 28/17	ND	ug/L	NO
2,4-Dichlorophenoxyaceticacid(2,4-D)	Aug 28/17	ND	ug/L	NO
Diclofop-methyl	Aug 28/17	ND	ug/L	NO
Dimethoate	Aug 28/17	ND	ug/L	NO
Diquat	Aug 28/17	ND	ug/L	NO
Diuron	Aug 28/17	ND	ug/L	NO
Glyphosate	Aug 28/17	ND	ug/L	NO
HAAs(Note: show latest running annual average)	2021	ND	ug/L	NO
Lindane(Total)	Aug 28/17	ND	ug/L	NO
Malathion	Aug 28/17	ND	ug/L	NO
Metolachlor	Aug 28/17	ND	ug/L	NO
Metribuzin	Aug 28/17	ND	ug/L	NO
Monochlorobenzene	Aug 28/17	ND	ug/L	NO

Paraquat	Aug 28/17	ND	ug/L	NO
Pentachlorophenol	Aug 28/17	ND	ug/L	NO
Phorate	Aug 28/17	ND	ug/L	NO
Picloram	Aug 28/17	ND	ug/L	NO
PolychlorinatedBiphenyls(PCB)	Aug 28/17	ND	ug/L	NO
Prometryne	Aug 28/17	ND	ug/L	NO
Simazine	Aug 28/17	ND	ug/L	NO
Terbufos	Aug 28/17	ND	ug/L	NO
Tetrachloroethylene(perchloroethylene)	Aug 28/17	ND	ug/L	NO
2,3,4,6-Tetrachlorophenol	Aug 28/17	ND	ug/L	NO
THMs (Note: show latest running annual average)	2021	3.37	ug/L	NO
Triallate	Aug 28/17	ND	ug/L	NO
Trichloroethylene	Aug 28/17	ND	ug/L	NO
2,4,6-Trichlorophenol	Aug 28/17	ND	ug/L	NO
Trifluralin	Aug 28/17	ND	ug/L	NO
VinylChloride	Aug 28/17	ND	ug/L	NO
MCPA	Aug 28/17	ND	ug/L	NO

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule2 of Ontario Drinking Water Quality Standards

Parameter	Result Value	Unit of Measure	Date of Sample
Sodium	Aug 28/17	16	mg/L
Fluoride	Aug 28/17	1.4	mg/L