

OPTIONAL ANNUAL REPORT TEMPLATE

Drinking Water System Number:	21002183
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, 2022 to December 31, 2022

<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;"> <p>Township of East Garafraxa 065371 Dufferin County Road 3, Unit 2 East Garafraxa ON L9w 7J8</p> </div>	<p><u>Complete for all other Categories</u></p> <p>Number of Designated Facilities served:</p> <div style="border: 1px solid black; width: 100px; text-align: center; margin: 5px;">0</div> <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:</p> <div style="border: 1px solid black; width: 100px; text-align: center; margin: 5px;">0</div> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [] No []</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

\$14K to upgrade generator transfer system
 \$30K to replace submersible well pump

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	0.20 to 0.47	NTU
Chlorine	8760	0.60 to 2.88	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	Oct 13/22	ND	ug/L	NO
Arsenic	Oct 13/22	1.9	ug/L	NO
Barium	Oct 13/22	13	ug/L	NO
Boron	Oct 13/22	22	ug/L	NO
Cadmium	Oct 13/22	ND	ug/L	NO
Chromium	Oct 13/22	ND	ug/L	NO
*Lead	N/A	N/A	N/A	N/A
Mercury	Oct 13/22	ND	ug/L	NO
Selenium	Oct 13/22	ND	ug/L	NO
Sodium	Oct 13/22	6.3	mg/L	NO
Uranium	Oct 13/22	0.22	ug/L	NO
Fluoride	Oct 13/22	0.56	mg/L	NO
Nitrite	Dec 07/22	ND	ug/L	NO
Nitrate	Dec 07/22	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	1	2.2	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	Oct 13/22	ND	ug/L	NO
Atrazine+N-dealkylatedmetobolites	Oct 13/22	ND	ug/L	NO
Azinphos-methyl	Oct 13/22	ND	ug/L	NO
Benzene	Oct 13/22	ND	ug/L	NO
Benzo(a)pyrene	Oct 13/22	ND	ug/L	NO
Bromoxynil	Oct 13/22	ND	ug/L	NO
Carbaryl	Oct 13/22	ND	ug/L	NO
Carbofuran	Oct 13/22	ND	ug/L	NO
CarbonTetrachloride	Oct 13/22	ND	ug/L	NO
Chlorpyrifos	Oct 13/22	ND	ug/L	NO
Diazinon	Oct 13/22	ND	ug/L	NO
Dicamba	Oct 13/22	ND	ug/L	NO
1,2-Dichlorobenzene	Oct 13/22	ND	ug/L	NO
1,4-Dichlorobenzene	Oct 13/22	ND	ug/L	NO
1,2-Dichloroethane	Oct 13/22	ND	ug/L	NO
1,1-Dichloroethylene(vinylidenechloride)	Oct 13/22	ND	ug/L	NO
Dichloromethane	Oct 13/22	ND	ug/L	NO
2-4Dichlorophenol	Oct 13/22	ND	ug/L	NO
2,4-Dichlorophenoxyaceticacid(2,4-D)	Oct 13/22	ND	ug/L	NO
Diclofop-methyl	Oct 13/22	ND	ug/L	NO
Dimethoate	Oct 13/22	ND	ug/L	NO
Diquat	Oct 13/22	ND	ug/L	NO
Diuron	Oct 13/22	ND	ug/L	NO
Glyphosate	Oct 13/22	ND	ug/L	NO
HAAs(Note: show latest running annual average)	2022	ND	ug/L	NO
Lindane(Total)	Oct 13/22	ND	ug/L	NO
Malathion	Oct 13/22	ND	ug/L	NO
Metolachlor	Oct 13/22	ND	ug/L	NO
Metribuzin	Oct 13/22	ND	ug/L	NO
Monochlorobenzene	Oct 13/22	ND	ug/L	NO

Paraquat	Oct 13/22	ND	ug/L	NO
Pentachlorophenol	Oct 13/22	ND	ug/L	NO
Phorate	Oct 13/22	ND	ug/L	NO
Picloram	Oct 13/22	ND	ug/L	NO
PolychlorinatedBiphenyls(PCB)	Oct 13/22	ND	ug/L	NO
Prometryne	Oct 13/22	ND	ug/L	NO
Simazine	Oct 13/22	ND	ug/L	NO
Terbufos	Oct 13/22	ND	ug/L	NO
Tetrachloroethylene(perchloroethylene)	Oct 13/22	ND	ug/L	NO
2,3,4,6-Tetrachlorophenol	Oct 13/22	ND	ug/L	NO
THMs (Note: show latest running annual average)	2022	3.195	ug/L	NO
Triallate	Oct 13/22	ND	ug/L	NO
Trichloroethylene	Oct 13/22	ND	ug/L	NO
2,4,6-Trichlorophenol	Oct 13/22	ND	ug/L	NO
Trifluralin	Oct 13/22	ND	ug/L	NO
VinylChloride	Oct 13/22	ND	ug/L	NO
MCPA	Oct 13/22	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