

# DWCo. LTD

Dufferin Water Co. LTD  
13 Rose Ridge Lane  
Mono On  
L9W 5Y3  
Phone 519 942 5695 Fax 519 940  
3956

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21 February 2023

Township of East Garafraxa  
065371 Dufferin County Road 3  
Unit 2  
East Garafraxa ON  
L9w 7J8

**Attn: Susan Stone, CAO**

Re: Marsville Subdivision Water System – Annual Summary Report for 2022

Dear Susan:

Attached is the 2022 Summary Report for the Marsville Water Supply System. This report was prepared by Dufferin Water Co. Ltd on behalf of the Township of East Garafraxa in accordance with Schedule 22 of O. Reg 170/03 filed under the Safe Drinking Water Act (SDWA).

The summary report is required to be prepared, not later than March 31 of each year for the preceding calendar year and given to the members of the municipal council; please ensure this distribution.

Also attached to this letter is a copy of the 2022 Annual Report for the Marsville Water Supply System. This report should be made available to the public at the Municipal office and if possible on the municipal website.

If you have any questions regarding either report please call.

Regards,



Joe Miedema P. Eng.  
General Manager

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## **Marsville Water Supply System Small Municipal Residential Drinking Water System**

### **Schedule 22 Summary Report**

**For the Period:  
January 01, 2022 to December 31, 2022**

**Prepared for the Township of East Garafraxa  
By Dufferin Water Co. Ltd**

## Introduction

Schedule 22 of O. Reg 170/03 requires the preparation by the water system owner of a “Summary Report for Municipalities.” This requirement only applies to large and small municipal residential systems. The Marsville Water Supply System is classified as a Small Municipal Residential Drinking Water System.

The Summary Report for the preceding year is to be issued by March 31 of the following year. This report was prepared by Dufferin Water Co. Ltd on behalf of the Township of East Garafraxa.

Distribution of the Summary Report is the responsibility of the owner. For a municipality that owns the water supply, all members of council are to receive the report. If the water system is owned by a municipal service board established under Section 195 of the Municipal Act, 2001 then all members of that board are to receive the report. Finally, if a water supply provides water to another municipality under contract, then the water supply owner shall, give by March 31 a copy of the Summary Report to the Municipality being supplied.

The contents of the Summary Report for the municipality must include the following:

1. A list of the requirements of the Safe Drinking Water Act and its regulations that the water system failed to meet during the reporting period, including the duration of the failure.
2. A list of the requirements of the water system’s License that the water system failed to meet during the report period, including the duration of the failure.
3. A list of any Orders that the water system failed to meet during the report time frame, including the duration of the failure.
4. For each of the above failures, a description of the measures taken to correct the failure.
5. A summary of the quantities and flow rates of water supplied “including monthly average, maximum daily flows, and daily instantaneous peak flow rates.” (*Information is to enable the owner to assess the capability of the water system to meet existing and future demand*).
6. A statement that captures the comparison of the flow information to the rated capacity and flow rates stated in the water supply’s approval.

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## Issues of Non-Compliance

The following table lists the requirements of the Act, Regulations, System Approval (s) and any order that the system failed to meet at any time during the reporting period and measures taken to correct each failure:

<b>Drinking Water Legislation</b>	<b>Requirements the system failed to meet</b>	<b>Duration</b>	<b>Corrective Action(s)</b>	<b>Status</b>
N/A				

## Assessment of System Flows and Rates of Water Taking

The following table lists the quantities and flow rates of the water supplied during this reporting period, including monthly average and maximum daily flows, daily instantaneous peak flow rates and a comparison to the rated capacity and flow rates specified in the system approval:

### *Well Number One*

**Approved Daily Volume: 182 cubic metres**  
**Approved Flow Rate: 364 Litres/minute**

Month	Average Daily Volume (m <sup>3</sup> )	Percent Of Approved Volume	Maximum Daily Volume (m <sup>3</sup> )	Percent Of Approved Volume	Peak Flow Rate (L/min)	Percent Of Approved Flow Rate	Average Flow Rate (L/min)	Percent Of Approved Flow Rate	Minimum Flow Rate (L/min)	Percent Of Approved Flow Rate
Jan	31	17%	50	27%	305	84%	280	77%	176	48%
Feb	27	15%	35	19%	317	87%	294	81%	246	68%
Mar	27	15%	45	25%	331	91%	292	80%	241	66%
Apr	28	15%	68	37%	321	88%	293	81%	267	73%
May	34	19%	64	35%	308	85%	292	80%	276	76%
Jun	37	20%	63	35%	331	91%	294	81%	256	70%
Jul	37	20%	69	38%	321	88%	290	80%	272	75%
Aug	30	17%	45	25%	310	85%	291	80%	269	74%
Sep	28	15%	37	20%	309	85%	290	80%	263	72%
Oct	30	17%	42	23%	321	88%	290	80%	248	68%
Nov	30	17%	37	20%	328	90%	292	80%	260	71%
Dec	26	14%	40	22%	318	87%	291	80%	252	69%

Flow control is in the form of a pressure reducing valve that is equipped to open and close when the well pump is energized. The valve limits the flow of water from the well. The well pump is also rated to pump less than 364 L/minute making it physically impossible to exceed the flow rate specified in the Permit to Take Water.