

DWCo. LTD

Dufferin Water Co. LTD
13 Rose Ridge Lane
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3956

28 February 2024

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

Attn: Peter Avgoustis, CAO

Re: Marsville Subdivision Water System – Annual Summary Report for 2023

Dear Susan:

Attached is the 2023 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 2023 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, 2023 to December 31, 2023**

**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:

Drinking Water Legislation	Requirements the system failed to meet	Duration	Corrective Action(s)	Status
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 ³)	Percent Of Approved Volume	Maximum Daily Volume (m ³)	Percent Of Approved Volume	Peak Flow Rate (L/minute)	Percent Of Approved Flow Rate	Average Flow Rate (L/minute)	Percent Of Approved Flow Rate	Minimum Flow Rate (L/minute)	Percent Of Approved Flow Rate
Jan	17	9%	25	14%	321	88%	287	79%	255	70%
Feb	17	9%	23	13%	338	93%	293	80%	258	71%
Mar	17	10%	22	12%	316	87%	290	80%	244	67%
Apr	19	10%	41	23%	319	88%	292	80%	265	73%
May	24	13%	60	33%	317	87%	291	80%	262	72%
Jun	27	15%	44	24%	306	84%	288	79%	270	74%
Jul	22	12%	34	19%	312	86%	288	79%	235	65%
Aug	20	11%	34	19%	304	84%	287	79%	269	74%
Sep	20	11%	36	20%	306	84%	285	78%	264	72%
Oct	18	10%	31	17%	309	85%	285	78%	265	73%
Nov	20	11%	41	23%	314	86%	283	78%	259	71%
Dec	20	11%	28	15%	315	86%	288	79%	259	71%

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.