

DWCo. LTD

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

15 February 2021

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 2020

Dear Susan:

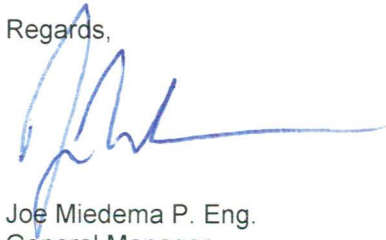
Attached is the 2020 Summary Report for the Marsville Water Supply System. This report was prepared by Dufferin Water Co. Ltd on behalf of the Township of East Garafraxa in accordance with Schedule 22 of O. Reg 170/03 filed under the Safe Drinking Water Act (SDWA).

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 2020 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

DWCo. LTD

Dufferin Water Co. LTD
13 Rose Ridge Lane
Mono On
L9W 5Y3

Phone 519 942 5695 Fax 519 940 3956

Marsville Water Supply System Small Municipal Residential Drinking Water System

Schedule 22 Summary Report

For the Period:

January 01, 2020 to December 31, 2020

**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.

DWCo. LTD

Dufferin Water Co. LTD
13 Rose Ridge Lane
Mono On
L9W 5Y3

Phone 519 942 5695 Fax 519 940 3956

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
SDWA	PID diagram out of date	2 days	Diagram updated	Closed

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	10%	25	14%	275	76%	233	64%	204	56%
Feb	17	10%	25	14%	285	78%	232	64%	196	54%
Mar	18	10%	25	14%	252	69%	232	64%	210	58%
Apr	20	11%	27	15%	252	69%	232	64%	223	61%
May	25	14%	50	27%	288	79%	232	64%	197	54%
Jun	34	19%	101	55%	262	72%	233	64%	202	55%
Jul	40	22%	74	41%	245	67%	230	63%	215	59%
Aug	30	16%	56	31%	268	74%	231	63%	208	57%
Sep	23	13%	36	20%	256	70%	229	63%	207	57%
Oct	23	13%	37	20%	272	75%	231	63%	203	56%
Nov	23	13%	32	18%	239	66%	229	63%	214	59%
Dec	26	14%	45	25%	256	70%	231	63%	208	57%

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.