

DWCo. LTD

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

24 February 2025

Township of Mulmur
RR #2
Lisle, ON
L0M 1M0

Attn: Tracy Atkinson, CAO

Re: Mansfield Water System – Annual Summary Report for 2024

Dear Tracy:

Attached is the 2024 Summary Report for the Mansfield Water System. This report was prepared by Dufferin Water Co. Ltd on behalf of the Township of Mulmur 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 2024 Annual Report for the Mansfield Water Supply System. This report should be made available to the public at the Municipal office and if possible on the township website.

If you have any questions regarding either report please call.

Regards,



Joe Miedema P. Eng.
General Manager

Mansfield Water System **Large Municipal Residential Drinking Water System**

Schedule 22 **Summary Report**

For the Period:
January 01, 2024 to December 31, 2024

Prepared for the Township of Mulmur
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 Mansfield Water System is classified as a Large 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 Mulmur.

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 Certificate of Approval 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
Not Applicable				

Assessment of System Flows and Rates of Water Taking

The following tables list 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: 326.88 cubic metres

Approved Flow Rate: 227 litres/minute

Month	Average Daily Volume (m ³)	Percent Of Approved Volume	Maximum Daily Volume (m ³)	Percent Of Approved Volume
January	93	28%	132	40%
February	109	33%	140	43%
March	125	38%	229	70%
April	147	45%	221	68%
May	108	33%	178	54%
June	115	35%	180	55%
July	110	34%	168	51%
August	109	33%	176	54%
September	146	45%	225	69%
October	134	41%	222	68%
November	133	41%	215	66%
December	197	60%	277	85%

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 and prevents the pump from exceeding the permitted flow rates. Average flow rate when this well is operating is 204 litres per minute.

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Well Number Two

Approved Daily Volume: 262.08 cubic metres

Approved Flow Rate: 182 litres/minute

Month	Average Daily Volume (m ³)	Percent Of Approved Volume	Maximum Daily Volume (m ³)	Percent Of Approved Volume
January	30	11%	42	16%
February	35	13%	55	21%
March	40	15%	56	21%
April	46	17%	67	26%
May	33	13%	54	21%
June	36	14%	56	21%
July	34	13%	50	19%
August	35	13%	46	18%
September	45	17%	68	26%
October	39	15%	63	24%
November	40	15%	67	26%
December	50	19%	76	29%

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 and prevents the pump from exceeding the permitted flow rates. Average flow rate when this well is operating is 108 litres per minute

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Well Number Three

Approved Daily Volume: 362.88 cubic metres

Approved Flow Rate: 252 litres/minute

Month	Average Daily Volume (m³)	Percent Of Approved Volume	Maximum Daily Volume (m³)	Percent Of Approved Volume
January	0	0%	0	0%
February	0	0%	0	0%
March	0	0%	0	0%
April	0	0%	0	0%
May	0	0%	0	0%
June	0	0%	0	0%
July	0	0%	0	0%
August	0	0%	0	0%
September	0	0%	0	0%
October	0	0%	0	0%
November	0	0%	4	1%
December	0	0%	0	0%

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 and prevents the pump from exceeding the permitted flow rates. Average flow rate when this well is operating is 246 litres per minute

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Distributed Water

Approved Daily Volume: 951.8 cubic metres
Approved Flow Rate: 661 Litres per minute

Month	Average Daily Volume (m ³)	Percent Of Approved Volume	Maximum Daily Volume (m ³)	Percent Of Approved Volume
January	128	13%	162	17%
February	150	16%	225	24%
March	170	18%	269	28%
April	198	21%	282	30%
May	147	15%	211	22%
June	156	16%	260	27%
July	150	16%	240	25%
August	150	16%	207	22%
September	198	21%	299	31%
October	176	19%	265	28%
November	182	19%	287	30%
December	252	26%	340	36%

Flow control is in the form of a pressure reducing valve located on the discharge side of each pressure pump. These valves limit the flow of treated water and prevents the distribution flow rate from exceeding the permitted flow rates. Average flow rate when pumps are operating is 330 litres per minute.