

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

Town of Grand Valley
5 Main S. N.
Grand Valley, ON
L9W 5S6

Attn: Meghan Townsend, CAO/Clerk-Treasurer

Re: Grand Valley Water System – Annual Summary Report for 2024

Dear Meghan:

Attached is the 2024 Summary Report for the Grand Valley Water Supply System. This report was prepared by Dufferin Water Co. Ltd on behalf of the Town of Grand Valley 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 Grand Valley 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 the report please call.

Regards,



Joe Miedema P. Eng.
General Manager

Grand Valley Water Supply System Large Municipal Residential Drinking Water System

Schedule 22 Summary Report

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

**Prepared for the Town of Grand Valley
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 Grand Valley Water Supply 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 Town of Grand Valley.

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.

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				

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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: 2290 cubic metres

Approved Flow Rate: 1590 litres/minute

Month	Average Daily Volume (m ³)	Percent Of Approved Volume	Maximum Daily Volume (m ³)	Percent Of Approved Volume	Mega Litres Pumped During Month
January	539	24%	804	35%	16.7
February	618	27%	761	33%	17.9
March	553	24%	710	31%	17.1
April	350	15%	717	31%	10.5
May	476	21%	844	37%	14.7
June	531	23%	915	40%	15.9
July	436	19%	699	31%	13.5
August	290	13%	466	20%	9.0
September	318	14%	507	22%	9.5
October	280	12%	391	17%	8.7
November	379	17%	503	22%	11.4
December	435	19%	1160	51%	13.5
Total Annual Mega Litres					158.5

Flow control is in the form of a variable speed drive that controls the flow via managing the frequency of the power supply. The drive limits the flow of water from the well and prevents the pump from exceeding the permitted flow rates. The average pumping rate when the pump is running is 1020 Litres/minute.

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Well Number Two

Approved Daily Volume: 1308 cubic metres

Approved Flow Rate: 908 litres/minute

Month	Average Daily Volume (m ³)	Percent Of Approved Volume	Maximum Daily Volume (m ³)	Percent Of Approved Volume	Mega Litres Pumped During Month
January	77	6%	697	53%	2.4
February	0	0%	1	0%	0.0
March	0	0%	1	0%	0.0
April	225	17%	907	69%	6.7
May	173	13%	725	55%	5.4
June	0	0%	1	0%	0.0
July	0	0%	1	0%	0.0
August	0	0%	1	0%	0.0
September	0	0%	1	0%	0.0
October	0	0%	1	0%	0.0
November	0	0%	3	0%	0.0
December	0	0%	1	0%	0.0
Total Annual Mega Litres					14.5

Flow control is in the form of a variable speed drive that controls the flow via managing the frequency of the power supply. The drive limits the flow of water from the well and prevents the pump from exceeding the permitted flow rates. The average pumping rate when the pump is running is 700 Litres/minute.

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Well Number Three

Approved Daily Volume: 654 cubic metres
Approved Flow Rate: 454 litres/minute

Month	Average Daily Volume (m³)	Percent Of Approved Volume	Maximum Daily Volume (m³)	Percent Of Approved Volume	Mega Litres Pumped During Month
January	93	14%	254	39%	2.9
February	83	13%	95	14%	2.4
March	83	13%	138	21%	2.6
April	82	13%	128	20%	2.5
May	89	14%	127	19%	2.8
June	68	10%	109	17%	2.0
July	60	9%	85	13%	1.9
August	144	22%	176	27%	4.5
September	151	23%	177	27%	4.5
October	137	21%	157	24%	4.3
November	0	0%	4	1%	0.0
December	51	8%	121	18%	1.6
Total Annual Mega Litres					31.8

Flow control is in the form of a variable speed drive that controls the flow via managing the frequency of the power supply. The drive limits the flow of water from the well and prevents the pump from exceeding the permitted flow rates. The average pumping rate when the pump is running is 192 Litres/minute.

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Well Number Five

Approved Daily Volume: 2229 cubic metres

Approved Flow Rate: 1548 litres/minute

Month	Average Daily Volume (m³)	Percent Of Approved Volume	Maximum Daily Volume (m³)	Percent Of Approved Volume	Mega Litres Pumped During Month
January	0	0%	0	0%	0.0
February	0	0%	0	0%	0.0
March	0	0%	0	0%	0.0
April	0	0%	0	0%	0.0
May	0	0%	2	0%	0.0
June	129	6%	397	17%	3.9
July	321	14%	457	20%	9.9
August	281	12%	388	17%	8.7
September	264	12%	446	19%	7.9
October	254	11%	373	16%	7.9
November	355	16%	404	18%	10.7
December	278	12%	784	34%	8.6
Total Annual Mega Litres					57.6

Flow control is in the form of a variable speed drive that controls the flow via managing the frequency of the power supply. The drive limits the flow of water from the well and prevents the pump from exceeding the permitted flow rates. The average pumping rate when the pump is running is 1020 Litres/minute.

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All four wells combined

Approved Daily Volume: 6481 cubic Metres

Month	Average Daily Volume (m ³)	Percent Of Approved Volume	Maximum Daily Volume (m ³)	Percent Of Approved Volume	Mega Litres Pumped During Month
January	709	31%	902	14%	22.0
February	700	31%	851	13%	20.3
March	636	28%	794	12%	19.7
April	657	29%	922	14%	19.7
May	738	32%	938	14%	22.9
June	728	32%	1033	16%	21.8
July	817	36%	1059	16%	25.3
August	716	31%	902	14%	22.2
September	733	32%	892	14%	22.0
October	672	29%	770	12%	20.8
November	734	32%	868	13%	22.0
December	765	33%	1676	26%	23.7
Total Annual Mega Litres All Wells					262.5