

DWCo. LTD

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

27 February 2026

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 2025

Dear Meghan:

Attached is the 2025 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 2025 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, 2025 to December 31, 2025**

**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 | | | | |

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 | 292 | 13% | 495 | 22% | 9.1 |
| February | 280 | 12% | 447 | 19% | 8.1 |
| March | 306 | 13% | 500 | 22% | 9.5 |
| April | 282 | 12% | 519 | 23% | 8.5 |
| May | 412 | 18% | 782 | 34% | 12.8 |
| June | 466 | 20% | 1157 | 51% | 14.0 |
| July | 438 | 19% | 782 | 34% | 13.6 |
| August | 507 | 22% | 1034 | 45% | 15.7 |
| September | 393 | 17% | 808 | 35% | 11.8 |
| October | 380 | 17% | 625 | 27% | 11.8 |
| November | 354 | 15% | 814 | 36% | 10.6 |
| December | 363 | 16% | 625 | 27% | 11.3 |
| Total Annual Mega Litres | | | | | 136.6 |

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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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 | 0 | 0% | 2 | 0% | 0.0 |
| February | 0 | 0% | 5 | 0% | 0.0 |
| March | 0 | 0% | 3 | 0% | 0.0 |
| April | 0 | 0% | 4 | 0% | 0.0 |
| May | 0 | 0% | 4 | 0% | 0.0 |
| June | 0 | 0% | 5 | 0% | 0.0 |
| July | 1 | 0% | 5 | 0% | 0.0 |
| August | 0 | 0% | 4 | 0% | 0.0 |
| September | 1 | 0% | 5 | 0% | 0.0 |
| October | 0 | 0% | 4 | 0% | 0.0 |
| November | 1 | 0% | 6 | 0% | 0.0 |
| December | 0 | 0% | 5 | 0% | 0.0 |
| Total Annual Mega Litres | | | | | 0.2 |

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 (m ³) | Percent Of Approved Volume | Maximum Daily Volume (m ³) | Percent Of Approved Volume | Mega Litres Pumped During Month |
|---------------------------------|--|----------------------------|--|----------------------------|---------------------------------|
| January | 91 | 14% | 130 | 20% | 2.8 |
| February | 88 | 13% | 130 | 20% | 2.5 |
| March | 90 | 14% | 120 | 18% | 2.8 |
| April | 78 | 12% | 120 | 18% | 2.3 |
| May | 0 | 0% | 1 | 0% | 0.0 |
| June | 1 | 0% | 44 | 7% | 0.0 |
| July | 0 | 0% | 0 | 0% | 0.0 |
| August | 0 | 0% | 0 | 0% | 0.0 |
| September | 0 | 0% | 0 | 0% | 0.0 |
| October | 0 | 0% | 0 | 0% | 0.0 |
| November | 0 | 0% | 0 | 0% | 0.0 |
| December | 0 | 0% | 0 | 0% | 0.0 |
| Total Annual Mega Litres | | | | | 10.6 |

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 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 (m ³) | Percent Of Approved Volume | Maximum Daily Volume (m ³) | Percent Of Approved Volume | Mega Litres Pumped During Month |
|---------------------------------|--|----------------------------|--|----------------------------|---------------------------------|
| January | 289 | 13% | 579 | 26% | 9.0 |
| February | 290 | 13% | 465 | 20% | 8.4 |
| March | 304 | 13% | 479 | 21% | 9.4 |
| April | 381 | 17% | 768 | 34% | 11.4 |
| May | 447 | 20% | 924 | 40% | 13.8 |
| June | 610 | 27% | 1234 | 54% | 18.3 |
| July | 485 | 21% | 958 | 42% | 15.0 |
| August | 389 | 17% | 701 | 31% | 12.0 |
| September | 400 | 17% | 732 | 32% | 12.0 |
| October | 476 | 21% | 887 | 39% | 14.8 |
| November | 508 | 22% | 933 | 41% | 15.2 |
| December | 462 | 20% | 887 | 39% | 14.3 |
| Total Annual Mega Litres | | | | | 153.8 |

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 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 | 673 | 10% | 816 | 13% | 20.9 |
| February | 658 | 10% | 776 | 12% | 19.1 |
| March | 700 | 11% | 850 | 13% | 21.7 |
| April | 742 | 11% | 994 | 15% | 22.2 |
| May | 858 | 13% | 1279 | 20% | 26.6 |
| June | 1077 | 17% | 1354 | 21% | 32.3 |
| July | 923 | 14% | 1112 | 17% | 28.6 |
| August | 895 | 14% | 1202 | 19% | 27.7 |
| September | 794 | 12% | 944 | 15% | 23.8 |
| October | 855 | 13% | 1033 | 16% | 26.5 |
| November | 862 | 13% | 985 | 15% | 25.9 |
| December | 826 | 13% | 1033 | 16% | 25.6 |
| Total Annual Mega Litres All Wells | | | | | 301 |

OPTIONAL ANNUAL REPORT TEMPLATE

| | |
|---------------------------------|---------------------------------------|
| Drinking Water System Number: | 220007016 |
| Drinking Water System Name: | Grand Valley Water Supply System |
| Drinking Water System Owner: | Town of Grand Valley |
| Drinking Water System Category: | Large Municipal Residential |
| Period being reported: | January 01, 2025 to December 31, 2025 |

| | |
|---|--|
| <p><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></p> <p>Does your Drinking Water System serve more than 10,000 people? Yes [] No [x]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [X] No []</p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; padding: 5px;"> <p>Town of Grand Valley 5 Main Street North Grand Valley, ON L9W 5S6</p> </div> | <p><u>Complete for all other Categories</u></p> <p>Number of Designated Facilities served: <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">N/A</div> </p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [] No []</p> <p>Number of Interested Authorities you report to: <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">N/A</div> </p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [] No []</p> |
|---|--|

Note: For the following tables below, additional rows or columns may be added, or an appendix may be attached to the report

List all Drinking Water Systems (if any), which receive all their drinking water from your system:

| Drinking Water System Name | Drinking Water System Number |
|----------------------------|------------------------------|
| N/A | |

Did you provide a copy of your annual report to all Drinking Water System owners that are connected to you and to whom you provide all drinking water? Yes [] No []

Indicate how you notified system users that your annual report is available and is free of charge.

- Public access/notice via the web
- Public access/notice via Government Office
- Public access/notice via a newspaper
- Public access/notice via Public Request
- Public access/notice via a Public Library
- Public access/notice via other method _____

Describe your Drinking Water System

Water System is classified as a Large Municipal Residential Water System that currently serves approximately 1200 service connections. The system is owned by the Town of Grand Valley and operated by Dufferin Water Co. Ltd. Water is supplied via four municipal wells, a water tower and 3 pumphouses. Inspection, maintenance and sampling are conducted on a regular basis in accordance with Ontario Regulation 170/03 to ensure the safety of the water supply

List all water treatment chemicals used over this reporting period

12 % Sodium Hypochlorite

Were any significant expenses incurred to?

- Install required equipment
- Repair required equipment
- Replace required equipment

Please provide a brief description and a breakdown of monetary expenses incurred

Provide details on the notices submitted in accordance with subsection 18 (1) of the Safe Drinking Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

| Incident Date | Parameter | Result | Unit of Measure | Corrective Action | Corrective Action Date |
|---------------|-----------|--------|-----------------|-------------------|------------------------|
| | | | | | |
| | | | | | |

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period

| | Number of Samples | Range of E. Coli Results (min#)-(max#) | Range of Total Coliform Results (min#)-(max#) | Number of HPC Samples | Range of HPC Results (min#)-(max#) |
|--------------|-------------------|--|---|-----------------------|------------------------------------|
| Raw | 179 | 0 to 0 | 0 to 0 | 0 | N/A |
| Treated | 156 | 0 to 0 | 0 to 0 | 156 | 0 to 380 |
| Distribution | 156 | 0 to 0 | 0 to 0 | 52 | 0 to 190 |

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

| | Number of Grab Samples | Range of Results (min#)-(max#) | Unit of Measure |
|---|------------------------|--------------------------------|-----------------|
| Turbidity | 42 | 0.15 to 0.89 | NTU |
| Chlorine | 8760 | 0.64 to 2.39 | ppm |
| Fluoride (If the DWS provides fluoridation) | N/A | N/A | N/A |

NOTE: For continuous monitors use 8760 as the number of samples

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.

| Date of legal instrument issued | Parameter | Date Sampled | Result | Unit of Measure |
|---------------------------------|-----------|--------------|--------|-----------------|
| N/A | | | | |
| N/A | | | | |

Summary of Inorganic parameters tested during this reporting period or the most recent sample results

| Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|-----------|-------------|--------------|-----------------|------------|
| Antimony | Dec 17/24 | ND | ug/L | NO |
| Arsenic | Dec 17/24 | ND | ug/L | NO |
| Barium | Dec 17/24 | 17 to 22 | ug/L | NO |
| Boron | Dec 17/24 | 79 to 93 | ug/L | NO |
| Cadmium | Dec 17/24 | ND | ug/L | NO |
| Chromium | Dec 17/24 | ND | ug/L | NO |
| *Lead | N/A | N/A | N/A | N/A |
| Mercury | Dec 17/24 | ND | ug/L | NO |
| Selenium | Dec 17/24 | ND | ug/L | NO |
| Sodium | Oct 23/23 | 21 to 39 | mg/L | YES |
| Uranium | Dec 17/24 | ND to 0.20 | ug/L | NO |
| Fluoride | Aug 18/23 | 1.5 to 1.8 | mg/L | NO/YES |
| Nitrite | Dec 10/25 | ND | mg/L | NO |
| Nitrate | Dec 10/25 | ND | mg/L | NO |

***only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems**

Summary of lead testing under Schedule 15.1 during this reporting

period(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

| Location Type | Number of Samples | Range of Lead Results (min#)–(max #) | Unit of Measure | Number of Exceedances |
|---------------|-------------------|--------------------------------------|-----------------|-----------------------|
| Plumbing | N/A | N/A | N/A | N/A |
| Distribution | 2 | ND | Ug/L | 0 |

Summary of Organic parameters sampled during this reporting period or the most recent sample results

| Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|--|-------------|--------------|-----------------|------------|
| Alachlor | Dec 17/24 | ND | ug/L | NO |
| Atrazine + N-dealkylated metabolites | Dec 17/24 | ND | ug/L | NO |
| Azinphos-methyl | Dec 17/24 | ND | ug/L | NO |
| Benzene | Dec 17/24 | ND | ug/L | NO |
| Benzo(a)pyrene | Dec 17/24 | ND | ug/L | NO |
| Bromoxynil | Dec 17/24 | ND | ug/L | NO |
| Carbaryl | Dec 17/24 | ND | ug/L | NO |
| Carbofuran | Dec 17/24 | ND | ug/L | NO |
| CarbonTetrachloride | Dec 17/24 | ND | ug/L | NO |
| Chlorpyrifos | Dec 17/24 | ND | ug/L | NO |
| Diazinon | Dec 17/24 | ND | ug/L | NO |
| Dicamba | Dec 17/24 | ND | ug/L | NO |
| 1,2-Dichlorobenzene | Dec 17/24 | ND | ug/L | NO |
| 1,4-Dichlorobenzene | Dec 17/24 | ND | ug/L | NO |
| 1,2-Dichloroethane | Dec 17/24 | ND | ug/L | NO |
| 1,1-Dichloroethylene(vinylidenechloride) | Dec 17/24 | ND | ug/L | NO |
| Dichloromethane | Dec 17/24 | ND | ug/L | NO |
| 2,4-Dichlorophenol | Dec 17/24 | ND | ug/L | NO |
| 2,4-Dichlorophenoxyacetic acid(2,4-D) | Dec 17/24 | ND | ug/L | NO |
| Diclofop-methyl | Dec 17/24 | ND | ug/L | NO |
| Dimethoate | Dec 17/24 | ND | ug/L | NO |
| Diquat | Dec 17/24 | ND | ug/L | NO |
| Diuron | Dec 17/24 | ND | ug/L | NO |
| Glyphosate | Dec 17/24 | ND | ug/L | NO |
| HAAs(Note: show latest running annual average) | 2025 | ND | ug/L | NO |
| Lindane(Total) | Dec 17/24 | ND | ug/L | NO |
| Malathion | Dec 17/24 | ND | ug/L | NO |
| Metolachlor | Dec 17/24 | ND | ug/L | NO |
| Metribuzin | Dec 17/24 | ND | ug/L | NO |
| Monochlorobenzene | Dec 17/24 | ND | ug/L | NO |

| | | | | |
|--|-----------|------|------|----|
| Paraquat | Dec 17/24 | ND | ug/L | NO |
| Pentachlorophenol | Dec 17/24 | ND | ug/L | NO |
| Phorate | Dec 17/24 | ND | ug/L | NO |
| Picloram | Dec 17/24 | ND | ug/L | NO |
| Polychlorinated Biphenyls (PCB) | Dec 17/24 | ND | ug/L | NO |
| Prometryne | Dec 17/24 | ND | ug/L | NO |
| Simazine | Dec 17/24 | ND | ug/L | NO |
| Terbufos | Dec 17/24 | ND | ug/L | NO |
| Tetrachloroethylene (perchloroethylene) | Dec 17/24 | ND | ug/L | NO |
| 2,3,4,6-Tetrachlorophenol | Dec 17/24 | ND | ug/L | NO |
| THMs (Note: show latest running annual average) | 2025 | 0.99 | ug/L | NO |
| Triallate | Dec 17/24 | ND | ug/L | NO |
| Trichloroethylene | Dec 17/24 | ND | ug/L | NO |
| 2,4,6-Trichlorophenol | Dec 17/24 | ND | ug/L | NO |
| Trifluralin | Dec 17/24 | ND | ug/L | NO |
| Vinyl Chloride | Dec 17/24 | ND | ug/L | NO |
| MCPA | Dec 17/24 | ND | ug/L | NO |

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards

| Parameter | Result Value | Unit of Measure | Date of Sample |
|-----------|--------------|-----------------|----------------|
| Sodium | 21 to 39 | ppm | Oct 23/23 |
| Fluoride | 1.5 to 1.8 | ppm | Aug 18/23 |