2025 SCHEDULE 22 SUMMARY REPORT

MIDHURST VALLEY DRINKING WATER SYSTEM

For the period of
January 1st, 2025 to December 31st, 2025

Prepared for the Corporation of the Township of Springwater by the Ontario Clean Water Agency

Township of Springwater

OCWA
ONTARIO CLEAN WATER AGENCY
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This report was prepared in accordance with the requirements of *O.Reg 170/03, Schedule 22, Summary Reports for Municipalities* for the following system and reporting period:

Drinking-Water System Number:	260097877
Drinking-Water System Name:	Midhurst Valley Drinking Water System
Drinking-Water System Owner:	The Corporation of the Township of Springwater
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1, 2025 – December 31, 2025

1. Issue(s) of Non-Compliance

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on July 4, 2025 for the period covering June 21, 2024 to July 4, 2025. On August 22, 2025 the Inspection Report was issued and an Inspection Summary Rating Record (IRR) of 95.59% was received.

The following is a summary of non-compliances noted in the MECP Inspection Report, as well as the duration and the measures that were taken to correct the non-compliance. If any self-reported non-compliances were included in the inspection report, they will be noted in Table 1.

Table 1. Non-Compliances and Corrective Actions noted in the 2024/2025 MECP Inspection Report

Non-Compliance(s)	Duration	Compliance Response/Corrective Action(s)
MDWL 128-110 (Issue Number: 1) - conditions associated with maximum flow rate or the rated capacity conditions in the MDWL (13.628 L/sec) were not met at all times. • The system has flowrates that occasionally trend above 13.628 L/s	N/A	• MECP approval for the installation of variable frequency drive (VFD) well pumps has been obtained, and installation is scheduled for spring 2026. • There were no additional actions required or requested by the Ministry.
DWWP 128-210 (Issue Number: 2)- Discrepancy associated with Drinking Water System Description. • The description indicates that dosing occurs after the ultraviolet (UV) irradiation system. However, the current design doses the chlorine prior to the UV units.	N/A	• This departure from the original submission is scheduled to be corrected with the next round of system upgrades. • Should the disinfection dosing point not be reverted back to the original MECP approved design, a discussion with the MECP's Review Engineer will be necessary to confirm that the departure from the original design is acceptable. • There were no additional actions required or requested from the Ministry.

The following table (Table 2) is a summary of any incidents that the Operating Authority interpreted as a instances where any requirements of the Act, the regulations, the system's approval, drinking water works permit (DWWP), municipal drinking water licence (MDWL), and any orders applicable were not met. The Operating Authority reported the following incidents to the MECP and confirmation of whether the incidents are considered non-compliances are noted in the MECP Inspection Report and included in Table 1.

Table 2. Self-Reported Incidents and Corrective Actions for the Reporting Period

Incident	Duration	Corrective Actions
N/A	N/A	N/A

For information on any Adverse Water Quality Incident(s) that may have occurred during the reporting period, please refer to the Midhurst Valley Drinking Water System Annual Report (Section 11).

2. Assessment of Flowrates and Quantity of Water Supplied

The following tables (Table 3 to 9) summarize the quantities and flowrates of water supplied during the reporting period, including monthly averages and maximum daily flows as well as a comparison to the rated capacity and flowrates approved in the system's approval, DWWP or MDWL.

As required by the MDWL, regulatory flow measuring devices are checked/verified and where necessary, calibrated. These checks/verifications/calibrations are performed annually by a third party to ensure the flow measuring devices are within acceptable deviation limits.

2.1 Treated Water

Municipal Drinking Water License (MDWL):	128-110 (Issue Number: 1)
Allowable Rated Capacity:	1,177 m^3/day
Allowable Flowrate into Treatment System:	13.628 L/sec

As per the MDWL, the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed the listed rated capacity. However, the MDWL allows a system to be operated temporarily at a maximum daily volume and/or a maximum flowrate above the values set out in the MDWL for the purposes of fighting a large fire or for the maintenance of the drinking water system.

Table 3. Treated Water Annual and Monthly Average and Maximum Flows with Comparison to Rated Capacity and Total Volume for 2025

Treated Water Flow					
Timeframe	**Average Flow (m^3/day)**	**Percent of Rated Capacity**	**Maximum Flow (m^3/day)**	**Percent of Rated Capacity**	**Total Volume (m^3)**
January	271.48	23.07%	321.00	27.27%	8,416.00
February	273.57	23.24%	297.00	25.23%	7,660.00
March	264.87	22.50%	301.00	25.57%	8,211.00
April	254.47	21.62%	346.00	29.40%	7,634.00
May	253.13	21.51%	281.00	23.87%	7,847.00
June	295.57	25.11%	380.00	32.29%	8,867.00
July	352.81	29.98%	449.00	38.15%	10,937.00
August	349.45	29.69%	415.00	35.26%	10,833.00
September	339.73	28.86%	439.00	37.30%	10,192.00
October	336.61	28.60%	723.00[3A]	61.43%[3A]	10,435.00
November	276.03	23.45%	353.00	29.99%	8,281.00
December	279.87	23.78%	324.00	27.53%	8,676.00
2025	**295.63**	**25.12%**	**723.00**	**61.43%**	**107,989.00**

[3A]Higher than average maximum daily flow rates due to distribution flushing in October

A review of flow information for the reporting period indicates that the drinking water system operated within the rated capacity specified in the MDWL (1,177 m^3/day) for the maximum treated volume of treated water that flows from the treatment subsystem to the distribution system.

Table 4. Treated Water Annual and Monthly Average and Maximum Flowrates to the Distribution System for 2025

Treated Water Flowrate		
Timeframe	**Average Flowrate (L/sec)**	**Maximum Flowrate (L/sec)**
January	8.04	13.81
February	7.57	15.33
March	11.53	55.21
April	11.17	97.07
May	12.46	74.65
June	28.94	80.05
July	14.35	48.41
August	16.92	135.00
September	14.74	88.40
October	14.10	84.54
November	10.84	55.69
December	11.02	41.59

Treated Water Flowrate		
Timeframe	**Average Flowrate (L/sec)**	**Maximum Flowrate (L/sec)**
2025	**13.47**	**135.00**

The MDWL did not list a rated capacity for the maximum flow rate of treated water that flows from the treatment subsystem to the distribution system.

As per the MDWL, the maximum flow rate of water that flows into a treatment subsystem shall not exceed the listed maximum flowrate (13.628 L/s). A summary of flowrates of water that flows into the treatment subsystem(s) can be found in Table 5 and Table 6.

Table 5. Raw Water (Well #1 – TW22) Flows – Annual and Monthly Average Maximum Flowrate with Comparison to Rated Capacity into the Treatment Subsystem for 2025

Raw Water Flowrate – Well #1				
Timeframe	**Average Flowrate (L/sec)**	**Percent of Rated Capacity**	**Maximum Flowrate (L/sec)**	**Percent of Rated Capacity**
January	11.61	85.22%	13.23	97.08%
February	11.28	82.80%	11.67	85.63%
March	11.31	82.96%	11.64	85.41%
April	11.60	85.12%	12.03	88.27%
May	11.73	86.05%	11.96	87.76%
June	11.51	84.48%	12.02	88.20%
July	11.46	84.07%	11.75	86.22%
August	11.38	83.54%	11.88	87.17%
September	11.23	82.38%	11.47	84.16%
October	11.23	82.44%	11.36	83.36%
November	11.23	82.43%	11.40	83.65%
December	11.24	82.45%	11.35	83.28%
2025	**11.40**	**83.66%**	**13.23**	**97.08%**

Table 6. Raw Water (Well #2 – TW19) Flows – Annual and Monthly Average Maximum Flowrate with Comparison to Rated Capacity into the Treatment Subsystem for 2025

Raw Water Flowrate – Well #2				
Timeframe	**Average Flowrate (L/sec)**	**Percent of Rated Capacity**	**Maximum Flowrate (L/sec)**	**Percent of Rated Capacity**
January[6A]	13.52	99.23%	14.15	103.83%

Raw Water Flowrate – Well #2				
Timeframe	**Average Flowrate (L/sec)**	**Percent of Rated Capacity**	**Maximum Flowrate (L/sec)**	**Percent of Rated Capacity**
February	0.00	0.00%	0.00	0.00%
March[6A]	11.79	86.49%	14.36	105.37%
April	12.38	90.87%	12.59	92.38%
May[6A]	12.13	88.98%	13.87	101.78%
June	10.46	76.76%	11.94	87.61%
July	9.99	73.28%	10.13	74.33%
August	0.00	0.00%	0.00	0.00%
September	0.00	0.00%	0.00	0.00%
October	0.00	0.00%	0.00	0.00%
November[6A]	12.36	90.67%	13.95	102.36%
December	0.00	0.00%	0.00	0.00%
2025	**11.80**	**86.61%**	**14.36**	**105.37%**

Well #2 was offline for a large portion of the year due to ongoing flow rate issues. No water was sent through the treatment system during the months of February, August, September, October, and December.

[6A]Maximum flowrate exceedances include flow to waste and would occur either on well start up or for a very short period of time. None were instances where the well exceeded the maximum allowable flowrate for an extended duration.

A review of the flow information for the reporting period indicates that the drinking water system did operate within the rated capacity specified in the MDWL (13.628 L/s), for the maximum flow rates of raw water that flows into the treatment system. Maximum flowrate exceedances in February, August, September, October, and December include raw water flow rates to waste and would occur either on well start up or for a very short period of time.

2.2 Raw Water

Permit to Take Water Number (PTTW):	P-300-9182631024, Version 1.0
Allowable Maximum Raw Water Volume - Well 1:	3,153.60 m^3/day
Allowable Maximum Raw Water Flowrate - Well 1:	2190 L/min (36.5 L/sec)
Allowable Maximum Raw Water Volume - Well 2:	3,153.60 m^3/day
Allowable Maximum Raw Water Flowrate – Well 2:	2190 L/min (36.5 L/sec)
Allowable Combined (Well 1 and Well 2) Raw Water Volume	3,153.60 m^3/day

As per the PTTW, water shall only be taken from the specified source(s) and at the rates and amounts taken as specified in the permit.

Table 7. Raw Water (Well 1) Monthly Average, Maximum Flow and Total Volume for 2025

Raw Water Flow – Well 1					
Timeframe	**Average Flow (m^3/day)**	**Percent of Allowable Volume**	**Maximum Flow (m^3/day)**	**Percent of Allowable Volume**	**Total Volume (m^3)**
January	252.68	8.01%	406.00	12.87%	7,833.00
February	275.71	8.74%	406.00	12.87%	7,720.00
March	218.96	6.94%	549.00	17.41%	5,474.00
April	258.96	8.21%	410.00	13.00%	7,251.00
May	219.24	6.95%	363.00	11.51%	5,481.00
June	256.54	8.13%	417.00	13.22%	6,157.00
July	351.67	11.15%	527.00	16.71%	10,550.00
August	356.97	11.32%	527.00	16.71%	11,066.00
September	377.07	11.96%	629.00	19.95%	11,312.00
October	334.52	10.61%	687.00	21.78%	10,370.00
November	282.17	8.95%	455.00	14.43%	8,465.00
December	278.10	8.82%	408.00	12.94%	8,621.00
2025	**288.55**	**9.15%**	**687.00**	**21.78%**	**100,300.00**

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable daily raw water volume for Well 1 (3,153.60 m^3/day).

Table 8. Raw Water (Well 1) Annual and Monthly Average and Maximum Flowrates for 2025

Raw Water Flowrate – Well #1		
Timeframe	**Average Flowrate (L/sec)**	**Maximum Flowrate (L/sec)**
January	11.61	13.23
February	11.28	11.67
March	11.31	11.64
April	11.60	12.03
May	11.73	11.96
June	11.51	12.02
July	11.46	11.75
August	11.38	11.88
September	11.23	11.47
October	11.23	11.36
November	11.23	11.40
December	11.24	11.35
2025	**11.40**	**13.23**

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable daily raw water flow rate for Well 1 (36.5 L/sec).

Table 9. Raw Water (Well 2) Monthly Average, Maximum Flow and Total Volume for 2025

Raw Water Flow – Well 2					
Timeframe	**Average Flow (m^3/day)**	**Percent of Allowable Volume**	**Maximum Flow (m^3/day)**	**Percent of Allowable Volume**	**Total Volume (m^3)**
January	98.50	3.12%	142.00	4.50%	591.00
February	0.00	0.00%	0.00	0.00%	0.00
March	160.22	5.08%	306.00	9.70%	2,884.00
April	128.33	4.07%	248.00	7.86%	385.00
May	172.13	5.46%	275.00	8.72%	2,582.00
June	215.38	6.83%	341.00	10.81%	2,800.00
July	179.33	5.69%	252.00	7.99%	538.00
August	0.00	0.00%	0.00	0.00%	0.00
September	0.00	0.00%	0.00	0.00%	0.00
October	0.00	0.00%	0.00	0.00%	0.00
November	30.30	0.96%	54.00	1.71%	90.90
December	0.00	0.00%	0.00	0.00%	0.00
2025	**140.60**	**4.46%**	**341.00**	**10.81%**	**9,870.90**

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable daily raw water volume for Well 2 (3,153.60 m^3/day).

Table 10. Raw Water (Well 2) Annual and Monthly Average and Maximum Flowrates for 2025

Raw Water Flowrate – Well #2		
Timeframe	**Average Flowrate (L/sec)**	**Maximum Flowrate (L/sec)**
January	13.52	14.15
February	0.00	0.00
March	11.79	14.36
April	12.38	12.59
May	12.13	13.87
June	10.46	11.94
July	9.99	10.13
August	0.00	0.00
September	0.00	0.00
October	0.00	0.00
November	12.36	13.95
December	0.00	14.15

Raw Water Flowrate – Well #2		
Timeframe	**Average Flowrate (L/sec)**	**Maximum Flowrate (L/sec)**
2025	**11.80**	**14.36**

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable raw water flowrate for Well 2 (36.5 L/sec).

Table 11. Total Combined Raw Water (Well 1, and Well 2) Monthly Average, Maximum Flow and Total Volume for 2025

Total Raw Water Flow – Well 1 and Well 2					
Timeframe	**Average Flow (m^3/day)**	**Percent of Allowable Volume**	**Maximum Flow (m^3/day)**	**Percent of Allowable Volume**	**Total Volume (m^3)**
January	175.59	5.57%	406.00	12.87%	8,424.00
February	137.86	4.37%	406.00	12.87%	7,720.00
March	189.59	6.01%	549.00	17.41%	8,358.00
April	193.65	6.14%	410.00	13.00%	7,636.00
May	195.69	6.21%	363.00	11.51%	8,063.00
June	235.96	7.48%	417.00	13.22%	8,957.00
July	265.50	8.42%	527.00	16.71%	11,088.00
August	178.49	5.66%	527.00	16.71%	11,066.00
September	188.54	5.98%	629.00	19.95%	11,312.00
October	167.26	5.30%	687.00	21.78%	10,370.00
November	156.24	4.95%	455.00	14.43%	8,555.90
December	139.05	4.41%	408.00	12.94%	8,621.00
2025	**214.58**	**6.80%**	**687.00**	**21.78%**	**110,170.90**

A review of the flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable daily raw water combined flow from Well #1 and Well #2 (3,153.60 m^3/day).