

2024 SCHEDULE 22 SUMMARY REPORT

VESPRA DOWNS
DRINKING WATER
SYSTEM



For the period of
January 1st, 2024 to December 31st, 2024

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



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:	260001786
Drinking-Water System Name:	Vespra Downs Drinking Water System
Drinking-Water System Owner:	The Corporation of the Township of Springwater
Drinking-Water System Category:	Small Municipal Residential
Period being reported:	January 1, 2024 – December 31, 2024

1. Issue(s) of Non-Compliance

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on January 23, 2025 for the period covering November 9, 2023 to January 23, 2025. On March 18, 2025 the Inspection Report was issued and an Inspection Summary Rating Record (IRR) of 100% 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 2023/2024 MECP Inspection Report

Non-Compliance(s)	Duration	Required Actions & Corrective Actions
N/A	N/A	N/A

The following table (Table 2) is a summary of any incidents that the Operating Authority interpreted as 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 Vespra Downs Drinking Water System Annual Report (Section 11).

2. Assessment of Flowrates and Quantity of Water Supplied

The following tables (Table 3 to 8) 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):	128-107 (Issue Number: 4)
Allowable Rated Capacity:	168.9 m ³ /day
Allowable Flowrate into Treatment System:	Not listed in MDWL

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 2024

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	19.81	11.73%	25.00	14.80%	614.00
February	19.59	11.60%	25.00	14.80%	568.00
March	20.00	11.84%	27.00	15.99%	620.00
April	24.27	14.37%	86.00	50.92%	728.00
May	24.74	14.65%	36.00	21.31%	767.00
June	29.13	17.25%	47.00	27.83%	874.00
July	27.23	16.12%	47.00	27.83%	844.00
August	27.19	16.10%	38.00	22.50%	843.00
September	22.83	13.52%	33.00	19.54%	685.00
October	22.10	13.08%	60.00	35.52%	685.00
November	18.77	11.11%	23.00	13.62%	563.00
December	20.74	12.28%	29.00	17.17%	643.00
2024	23.03	13.64%	86.00	50.92%	8,434.00

Note: Treated water flow and flowrate data is based off the combined raw water flow data from Well #1 and Well #2. There is only one set of pumps (one per well) responsible for the raw water taking, water that flows into the treatment system and water the flows from the treatment system into the distribution system.

A review of flow information for the reporting period indicates that the drinking water system operated within the rated capacity specified in the MDWL (168.9 m³/day), for the maximum treated volume of treated water that flows from the treatment subsystem to the distribution system.

A summary of flowrates of water that flows into the treatment system can be found in Table 5 and Table 7. The applicable MDWL for the reporting period did not list a maximum allowable limit for the flowrate of water that flows into a treatment subsystem.

2.2 Raw Water

Permit to Take Water Number (PTTW):	0187-9NUK2T 0187-9NUK2T-INTERIM 0187-9NUK2T-INTERIM-2
Allowable Maximum Volume of Raw Water - Well PW1-93	168.90 m ³ /day
Allowable Maximum Raw Water Flowrate – Well PW1-93:	313 L/min (5.22 L/sec)
Allowable Maximum Raw Water Volume - Well TW1-91:	168.90 m ³ /day
Allowable Maximum Raw Water Flowrate - Well TW1-91	313 L/min (5.22 L/sec)
Allowable Maximum Daily Taking of Water from Any Combination of Wells:	168.90 m ³ /day

During the reporting period Vespra Downs Drinking Water System operated under three separate PTTWs (two were Bridge Permits):

- From January 1 to September 16, 2024: Vespra Downs DWS operated under PTTW #0187-9NUK2T, which was set to expire on September 16, 2024.
- From September 16, 2024 to December 23, 2024- Under the approval of the MECP, Vespra Downs DWS operated under a Bridge Permit PTTW #0187-9NUK2T-INTERIM until a decision to the PTTW could be made.
- From December 23, 2024 to present- Bridge PTTW #0187-9NUK2T-INTERIM was extended to Bridge PTTW #0187-9NUK2T-INTERIM-2, which is set to expire on March 23, 2025.

As per all PTTWs, water shall only be taken from the specified source(s) and at the rates and amounts taken as specified in the permit. Notwithstanding, the above maximum daily takings, the maximum daily taking of water from all wells identified is limited to 168.90 m³/day.

Table 4. Raw Water Well 1 (Well PW1-93) Monthly Average, Maximum Flow and Total Volume for 2024

Raw Water Flow – Well PW1-93					
Timeframe	Average Flow (m ³ /day)	Percent of Allowable Volume	Maximum Flow (m ³ /day)	Percent of Allowable Volume	Total Volume (m ³)
January	9.74	5.77%	12.00	7.10%	302.00

Raw Water Flow – Well PW1-93					
Timeframe	Average Flow (m³/day)	Percent of Allowable Volume	Maximum Flow (m³/day)	Percent of Allowable Volume	Total Volume (m³)
February	9.69	5.74%	12.00	7.10%	281.00
March	9.87	5.84%	14.00	8.29%	306.00
April	11.90	7.05%	41.00	24.27%	357.00
May	12.29	7.28%	18.00	10.66%	381.00
June	14.30	8.47%	23.00	13.62%	429.00
July	13.35	7.91%	23.00	13.62%	414.00
August	13.42	7.95%	19.00	11.25%	416.00
September	11.30	6.69%	16.00	9.47%	339.00
October	10.97	6.49%	31.00	18.35%	340.00
November	9.23	5.47%	11.00	6.51%	277.00
December	10.26	6.07%	14.00	8.29%	318.00
2024	11.36	6.73%	41.00	24.27%	4,160.00

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 PW1-93 (168.90 m³/day).

Table 5. Raw Water Well 1 (Well PW1-93) Annual and Monthly Maximum Flowrates for 2024

Raw Water Flowrate – Well PW1-93	
Timeframe	Maximum Flowrate (L/sec)
January	4.80
February	4.90
March	4.80
April	4.90
May	6.00 ^{5A}
June	4.80
July	4.90
August	4.90
September	4.80
October	5.57 ^{5B}
November	5.00
December	5.00
2024	6.00^{5A}

A review of flow information for the reporting period indicates that the system operated within the PTTW’s the maximum allowable raw water flowrate for Well PW1-93 (5.22 L/sec), with the exception of:

- ^{5A}May 9, 2024 - Flowrate exceedances were due to maintenance activities during spring watermain swabbing.
- ^{5B}October 2, 2024 - Flowrate exceedances were due to maintenance activities during fall watermain flushing.

Table 6. Raw Water Well 2 (Well TW1-91) Monthly Average, Maximum Flow and Total Volume for 2024

Raw Water Flow – Well TW1-91					
Timeframe	Average Flow (m ³ /day)	Percent of Allowable Volume	Maximum Flow (m ³ /day)	Percent of Allowable Volume	Total Volume (m ³)
January	10.06	5.96%	13.00	7.70%	312.00
February	9.90	5.86%	13.00	7.70%	287.00
March	10.13	6.00%	13.00	7.70%	314.00
April	12.37	7.32%	45.00	26.64%	371.00
May	12.45	7.37%	18.00	10.66%	386.00
June	14.83	8.78%	24.00	14.21%	445.00
July	13.87	8.21%	24.00	14.21%	430.00
August	13.77	8.16%	19.00	11.25%	427.00
September	11.53	6.83%	17.00	10.07%	346.00
October	11.13	6.59%	29.00	17.17%	345.00
November	9.53	5.64%	12.00	7.10%	286.00
December	10.48	6.21%	16.00	9.47%	325.00
2024	11.67	6.91%	45.00	26.64%	4,274.00

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 TW1-91 (168.90 m³/day).

Table 7. Raw Water Well 2 (Well TW1-91) Annual and Monthly Maximum Flowrates for 2024

Raw Water Flowrate – Well TW1-91	
Timeframe	Maximum Flowrate (L/sec)
January	4.60
February	4.60
March	4.70
April	4.60
May	4.70
June	4.60
July	4.70
August	4.60
September	4.60

Raw Water Flowrate – Well TW1-91	
Timeframe	Maximum Flowrate (L/sec)
October	5.10
November	4.80
December	4.80
2024	5.10

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 TW1-91 (5.22 L/sec).

Table 8. Combined Well (Well TW1-91, & Well PW 1-93) Annual and Monthly Flow and Total Volume for 2024

Combined Well Flow (Well TW1-91 & Well PW 1-93)					
Timeframe	Average Flow (m³/day)	Percent of Allowable Volume	Maximum Flow (m³/day)	Percent of Allowable Volume	Total Volume (m³)
January	19.81	11.73%	25.00	14.80%	614.00
February	19.59	11.60%	25.00	14.80%	568.00
March	20.00	11.84%	27.00	15.99%	620.00
April	24.27	14.37%	86.00	50.92%	728.00
May	24.74	14.65%	36.00	21.31%	767.00
June	29.13	17.25%	47.00	27.83%	874.00
July	27.23	16.12%	47.00	27.83%	844.00
August	27.19	16.10%	38.00	22.50%	843.00
September	22.83	13.52%	33.00	19.54%	685.00
October	22.10	13.08%	60.00	35.52%	685.00
November	18.77	11.11%	23.00	13.62%	563.00
December	20.74	12.28%	29.00	17.17%	643.00
2024	23.03	13.64%	86.00	50.92%	8434.00

A review of flow information for the reporting period indicates that the system operated within the PTTW’s maximum allowable daily taking of water from any combination of wells (168.9 m³/day).