



# 2025 SCHEDULE 22 SUMMARY REPORT

HILLSDALE  
DRINKING WATER  
SYSTEM

For the period of  
January 1<sup>st</sup>, 2025 to December 31<sup>st</sup>, 2025

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:

<b>Drinking-Water System Number:</b>	220003911
<b>Drinking-Water System Name:</b>	Hillsdale Drinking Water System
<b>Drinking-Water System Owner:</b>	The Corporation of the Township of Springwater
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	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 November 7, 2025 for the period covering October 25, 2024 to November 7, 2025. On January 15, 2026 the Inspection Report was issued and an Inspection Summary Rating Record (IRR) of 99.11% 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)
<p>The owner did not have up-to-date documents describing the distribution components in accordance with the Drinking Water Works Permit.</p> <ul style="list-style-type: none"> <li>A Form 1 for watermain installation south of the Scarlett Line well pumphouse was completed on February 2, 2023. The distribution map is required to be updated with any watermain additions, within 12 months of its installation. The installation of these watermains has now been completed and the new section of watermain has been placed into service.</li> </ul>	N/A	<ul style="list-style-type: none"> <li>The owner is required to update the Hillsdale drinking water distribution watermain mapping, to include the watermains described in the Form 1 that has been signed by the drinking water system owner February 02, 2023. By not later than July 01, 2026, a copy of the updated distribution mapping is required to be submitted to the inspecting Provincial Officer.</li> <li>The Hillsdale Distribution Map was updated by the Township of Springwater and a copy submitted to the inspecting Provincial Officer on January 8, 2026.</li> </ul>

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
<p>May 30, 2025 - Loss of continuous monitoring data (O.Reg 170/03, Schedule 6)</p> <ul style="list-style-type: none"> <li>• The North chlorine analyzer was re-calibrated on May 30, 2025, however, the calibration was not successful. As a result, valid continuous readings from the North Chlorine Analyzer were not available from 1050 hrs on May 30, 2025 to 0815 hrs on June 2, 2025.</li> <li>• Throughout this period, the South Chlorine analyzer, which received the same chlorine dosage, continued to operate normally.</li> <li>• Alarm systems were confirmed to be functioning and no alarms were triggered.</li> </ul>	<p>70 hours 25 minutes</p>	<ul style="list-style-type: none"> <li>• The North chlorine analyzer was successfully re-calibrated and returned to normal service.</li> <li>• Alarm functionality was verified, both the South chlorine analyzer and Pre-chlorine analyzer were confirmed to be operating properly.</li> <li>• Review of trends for the Pre-chlorine analyzer and South chlorine analyzer show stable chlorine levels throughout the incident, indicating that disinfection requirements were met.</li> <li>• On June 2, 2025, two distribution samples were collected and analyzed for free chlorine residual. Both results were within the expected range indicating that disinfection requirements in the distribution system were maintained.</li> <li>• The MECP was informed of the incident and corrective actions on June 2, 2025. No further actions were requested or required.</li> </ul>
<p>August 18, 2025: Monthly Raw Turbidity Sample collected outside of monthly sampling window (O.Reg 170/03, Schedule 7-3 (1) and Schedule 6-1.1(3))</p> <ul style="list-style-type: none"> <li>• The monthly raw water turbidity sample for Well 2 and Well 3 were collected 1 day outside the monthly sampling window as defined in O.Reg 170/03.</li> </ul>	<p>1 day</p>	<ul style="list-style-type: none"> <li>• The required raw water samples were collected for Well 2 and Well 3 on August 18, 2025 and analyzed for turbidity.</li> <li>• Results indicate that the raw water turbidity for Well 2 and Well 3 are consistent with previous results.</li> <li>• A reminder was sent out to all Operations staff regarding monthly raw water turbidity sampling requirements, and was reviewed at the monthly staff meeting.</li> <li>• The MECP was informed of the incident and corrective actions on August 21, 2025. No further actions were requested or required.</li> </ul>

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

## 2. Assessment of Flowrates and Quantity of Water Supplied

The following tables (Table 3 to 10) 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

<b>Municipal Drinking Water License (MDWL):</b>	128-104 (Issue Number: 3)
<b>Allowable Rated Capacity:</b>	1,434 m <sup>3</sup> /day
<b>Allowable Flowrate into Treatment System:</b>	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 2025**

Treated Water Flow					
Timeframe	Average Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Maximum Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Total Volume (m <sup>3</sup> )
January	229.17	15.98%	429.00	29.92%	6167.00
February	213.11	14.86%	300.00	20.92%	5967.00
March	269.06	18.76%	362.00	25.24%	8341.00
April	241.17	16.82%	590.00	41.14%	7235.00
May	249.74	17.42%	554.00	38.63%	7742.00
June	290.13	20.23%	454.00	31.66%	8704.00
July	296.23	20.66%	441.00	30.75%	9183.00
August	280.39	19.55%	611.00	42.61%	8692.00
September	257.43	17.95%	805.00	56.14%	7723.00
October	197.13	13.75%	350.00	24.41%	6111.00
November	209.53	14.61%	337.00	23.50%	6286.00
December	201.35	14.04%	299.00	20.85%	6242.00

<b>Treated Water Flow</b>					
<b>Timeframe</b>	<b>Average Flow (m<sup>3</sup>/day)</b>	<b>Percent of Rated Capacity</b>	<b>Maximum Flow (m<sup>3</sup>/day)</b>	<b>Percent of Rated Capacity</b>	<b>Total Volume (m<sup>3</sup>)</b>
<b>2025</b>	<b>244.54</b>	<b>17.05%</b>	<b>805.00</b>	<b>56.14%</b>	<b>88393.00</b>

*Note: Treated water flow data is based off of the combined raw water flow data. 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 that 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 (1,434 m<sup>3</sup>/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, Table 7 and Table 9. 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

<b>Permit to Take Water Number (PTTW):</b>	6454-D4MJSC
<b>Allowable Maximum Raw Water Volume - Well #1:</b>	284.60 m <sup>3</sup> /day
<b>Allowable Maximum Raw Water Flowrate - Well #1:</b>	654 L/min (10.90 L/sec)
<b>Allowable Maximum Volume of Raw Water - Well #2:</b>	492.50 m <sup>3</sup> /day
<b>Allowable Maximum Raw Water Flowrate - Well #2:</b>	342 L/min (5.70 L/sec)
<b>Allowable Maximum Raw Water Volume - Well #3:</b>	656.64 m <sup>3</sup> /day
<b>Allowable Maximum Raw Water Flowrate - Well #3:</b>	456 L/min (7.60 L/s)
<b>Allowable Maximum Daily Taking of Water from Any Combination of Wells:</b>	1,433.74 m <sup>3</sup> /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. Notwithstanding, the above maximum daily takings, the maximum daily taking of water from all wells identified is limited to 1,433.74 m<sup>3</sup>/day. See table 10 for a review of the combined maximum daily takings of water from all wells identified within the Hillsdale Drinking Water System.

**Table 4. Raw Water (Well #1) Monthly Average, Maximum Flow and Total Volume for 2025<sup>4A</sup>**

<b>Raw Water Flow – Well #1<sup>4A</sup></b>					
<b>Timeframe</b>	<b>Average Flow (m<sup>3</sup>/day)</b>	<b>Percent of Allowable Volume</b>	<b>Maximum Flow (m<sup>3</sup>/day)</b>	<b>Percent of Allowable Volume</b>	<b>Total Volume (m<sup>3</sup>)</b>
January	--	--	--	--	--

Raw Water Flow – Well #1 <sup>4A</sup>					
Timeframe	Average Flow (m <sup>3</sup> /day)	Percent of Allowable Volume	Maximum Flow (m <sup>3</sup> /day)	Percent of Allowable Volume	Total Volume (m <sup>3</sup> )
February	--	--	--	--	--
March	--	--	--	--	--
April	--	--	--	--	--
May	--	--	--	--	--
June	--	--	--	--	--
July	--	--	--	--	--
August	--	--	--	--	--
September	--	--	--	--	--
October	--	--	--	--	--
November	--	--	--	--	--
December	--	--	--	--	--
<b>2025</b>	--	--	--	--	--

<sup>4A</sup>Well #1 was offline during the reporting period. No raw water has produced or sent to the treatment and distribution system during this timeframe.

**Table 5. Raw Water (Well #1) Annual and Monthly Maximum Flowrates for 2025<sup>5A</sup>**

Raw Water Flowrate – Well #1 <sup>5A</sup>	
Timeframe	Maximum Flowrate (L/sec)
January	-
February	-
March	-
April	-
May	-
June	-
July	-
August	-
September	-
October	-
November	-
December	-
<b>2025</b>	-

<sup>5A</sup>Well #1 was offline during the reporting period. No raw water has produced or sent to the treatment and distribution system during this timeframe.

**Table 6. Raw Water (Well #2) Monthly Average, Maximum Flow and Total Volume for 2025**

Raw Water Flow – Well #2					
Timeframe	Average Flow (m <sup>3</sup> /day)	Percent of Allowable Volume	Maximum Flow (m <sup>3</sup> /day)	Percent of Allowable Volume	Total Volume (m <sup>3</sup> )
January	78.11	15.86%	116.00	23.55%	1484.00
February	92.18	18.72%	135.00	27.41%	2581.00
March	119.77	24.32%	158.00	32.08%	3713.00
April	107.37	21.80%	270.00	54.82%	3221.00
May	112.68	22.88%	250.00	50.76%	3493.00
June	131.40	26.68%	208.00	42.23%	3942.00
July	134.84	27.38%	201.00	40.81%	4180.00
August	128.19	26.03%	274.00	55.63%	3974.00
September	117.83	23.93%	366.00	74.31%	3535.00
October	90.58	18.39%	161.00	32.69%	2808.00
November	94.67	19.22%	155.00	31.47%	2840.00
December	90.81	18.44%	133.00	27.01%	2815.00
<b>2025</b>	<b>108.20</b>	<b>21.97%</b>	<b>366.00</b>	<b>74.31%</b>	<b>38586.00</b>

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 (492.50 m<sup>3</sup>/day).

**Table 7. Raw Water (Well #2) Annual and Monthly Maximum Flowrates for 2025**

Raw Water Flowrate – Well #2	
Timeframe	Maximum Flowrate (L/sec)
January	6.03 <sup>7A</sup>
February	5.08
March	5.46
April	5.33
May	5.30
June	5.23
July	5.22
August	5.20
September	5.19
October	5.50
November	5.22
December	5.27
<b>2025</b>	<b>6.03<sup>7A</sup></b>

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 #2 (5.70 L/sec) with the exception of:

- <sup>7A</sup>January 17, 2025 – Flowrate exceedances were of short duration and were a result of well pump start-up

**Table 8. Raw Water (Well #3) Monthly Average, Maximum Flow and Total Volume for 2025**

Raw Water Flow – Well #3					
Timeframe	Average Flow (m <sup>3</sup> /day)	Percent of Allowable Volume	Maximum Flow (m <sup>3</sup> /day)	Percent of Allowable Volume	Total Volume (m <sup>3</sup> )
January	151.06	23.01%	313.00	47.67%	4683.00
February	120.93	18.42%	165.00	25.13%	3386.00
March	149.29	22.74%	204.00	31.07%	4628.00
April	133.80	20.38%	320.00	48.73%	4014.00
May	137.06	20.87%	304.00	46.30%	4249.00
June	158.73	24.17%	246.00	37.46%	4762.00
July	161.39	24.58%	240.00	36.55%	5003.00
August	152.19	23.18%	337.00	51.32%	4718.00
September	139.60	21.26%	439.00	66.86%	4188.00
October	106.55	16.23%	189.00	28.78%	3303.00
November	114.87	17.49%	182.00	27.72%	3446.00
December	110.55	16.84%	166.00	25.28%	3427.00
<b>2025</b>	<b>136.34</b>	<b>20.76%</b>	<b>439.00</b>	<b>66.86%</b>	<b>49807.00</b>

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 #3 (656.64 m<sup>3</sup>/day).

**Table 9. Raw Water (Well #3) Annual and Monthly Maximum Flowrates for 2025**

Raw Water Flowrate – Well #3	
Timeframe	Maximum Flowrate (L/sec)
January	7.47
February	7.80 <sup>9A</sup>
March	7.87 <sup>9B</sup>
April	7.51
May	7.51
June	7.48
July	7.28
August	7.50
September	7.38
October	7.18

<b>Raw Water Flowrate – Well #3</b>	
<b>Timeframe</b>	<b>Maximum Flowrate (L/sec)</b>
November	7.25
December	7.20
<b>2025</b>	<b>7.87<sup>9B</sup></b>

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 #3 (7.60 L/s) with the exception of:

- <sup>9A</sup>February 24, 2025 – Flowrate exceedances were of short duration and were a result of well pump start-up.
- <sup>9B</sup>March 30, 2025 – Flowrate exceedances were of short duration and were a result of well pump start-up.

**Table 10. Combined Well (Well #1, Well #2 & Well #3) Annual and Monthly Flow and Total Volume for 2025**

<b>Combined Well Flow (Well #1, Well #2 &amp; Well #3)</b>					
<b>Timeframe</b>	<b>Average Flow (m<sup>3</sup>/day)</b>	<b>Percent of Allowable Volume</b>	<b>Maximum Flow (m<sup>3</sup>/day)</b>	<b>Percent of Allowable Volume</b>	<b>Total Volume (m<sup>3</sup>)</b>
January	229.17	15.98%	429.00	29.92%	6167.00
February	213.11	14.86%	300.00	20.92%	5967.00
March	269.06	18.76%	362.00	25.24%	8341.00
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May	249.74	17.42%	554.00	38.63%	7742.00
June	290.13	20.23%	454.00	31.66%	8704.00
July	296.23	20.66%	441.00	30.75%	9183.00
August	280.39	19.55%	611.00	42.61%	8692.00
September	257.43	17.95%	805.00	56.14%	7723.00
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November	209.53	14.61%	337.00	23.50%	6286.00
December	201.35	14.04%	299.00	20.85%	6242.00
<b>2025</b>	<b>244.54</b>	<b>17.05%</b>	<b>805.00</b>	<b>56.14%</b>	<b>88393.00</b>

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 (1,433.74 m<sup>3</sup>/day).