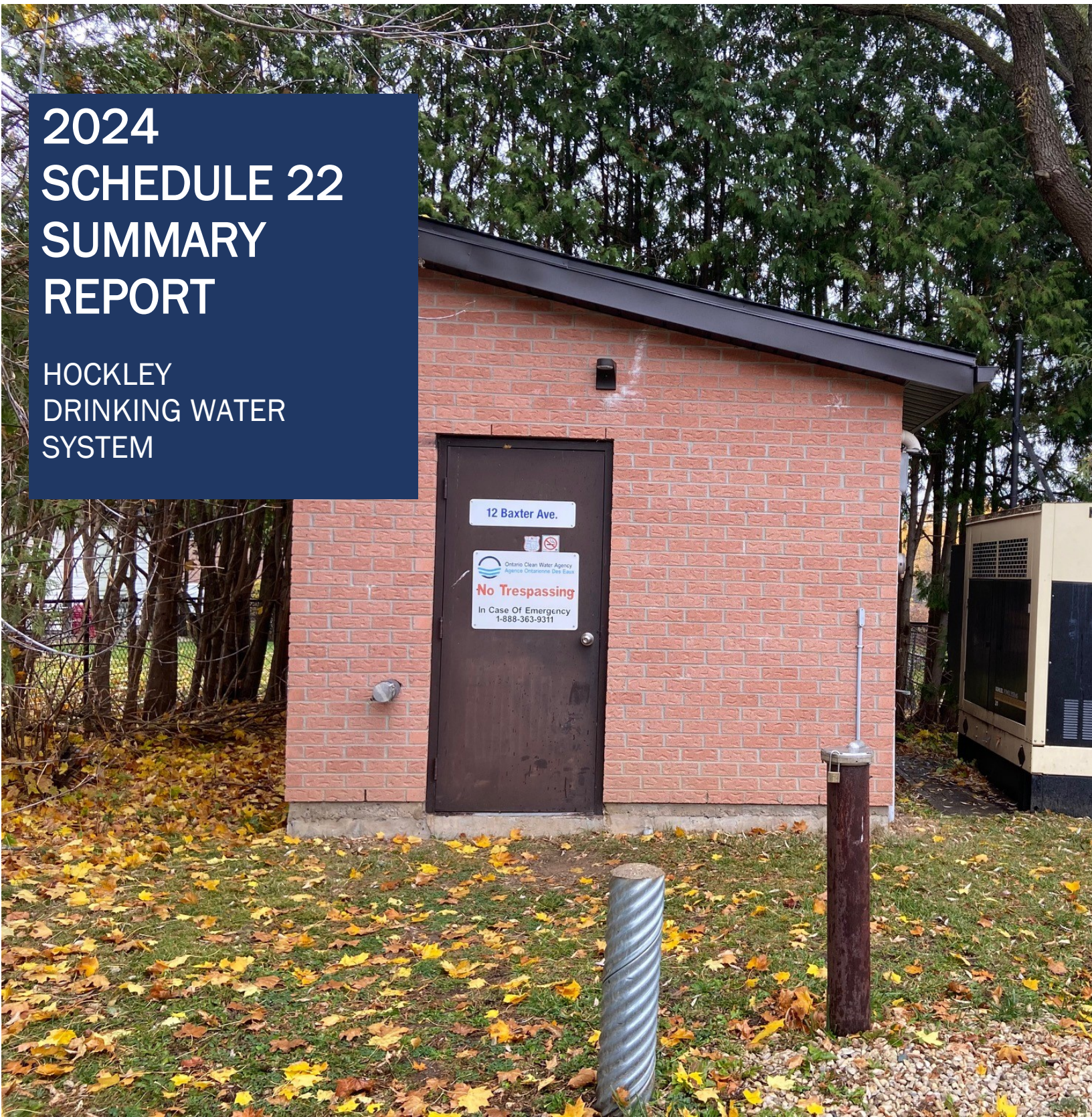


2024 SCHEDULE 22 SUMMARY REPORT

HOCKLEY
DRINKING WATER
SYSTEM



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

Prepared for the Corporation of the Township of Adjala-Tosorontio 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:	220005036
Drinking-Water System Name:	Hockley Drinking Water System
Drinking-Water System Owner:	The Corporation of the Township of Adjala-Tosorontio
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 occurred January 23, 2025, for the period covering December 14, 2023 to January 23, 2025. On March 4, 2025 the Inspection Report and was issued and an Inspection 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 taken to correct the non-compliance. All self-reported non-compliances included in the inspection report, are 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 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 incidents to the MECP, and Confirmed non-compliances in the MECP Inspection Report are included in Table 1.

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

Incident	Duration	Corrective Actions
Occurrence Incident with O.Reg 170/03, Schedule 4 (6-5), Continuous monitoring and alarming requirements <ul style="list-style-type: none"> On September 6, 2024, a wireless tower issue caused the loss of alarms that resulted in twenty-three hours and six minutes in which no alarms 	23 hrs and 6 mins	<ul style="list-style-type: none"> OCWA confirmed that although no alarms were being generated that continuous monitoring was still operating as required. OCWA staff reviewed trending and verified compliance. Remote plant checks were performed twice daily, until alarming was restored.

could be generated for the facility.		<ul style="list-style-type: none"> Alarms and communications were re-established on September 8, 2024 at 0700 hrs. Verbal and written notification of occurrence was provided to the MECP on September 9 and 12, 2024 respectively. No further actions were required.
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For information on any Adverse Water Quality Incident(s) that may have occurred during the reporting period, please refer to the Hockley Drinking Water System Annual Report (Section 11).

2. Assessment of Flowrates and Quantity of Water Supplied

The following tables (Table 3 to 5) 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. To ensure the flow measuring devices are within acceptable deviation limits, a third party performs annual checks/verifications/calibrations.

2.1 Treated Water

Municipal Drinking Water License (MDWL):	097-103 (Issue Number: 4)
Allowable Rated Capacity:	199 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 ^{3A}					
Timeframe	Average Flow (m ³ /day)	Percent of Rated Capacity	Maximum Flow (m ³ /day)	Percent of Rated Capacity	Total Volume (m ³)
January	7.68	3.86%	14.05	7.06%	237.96
February	7.81	3.92%	16.99	8.54%	226.37
March	7.64	3.84%	11.97	6.02%	236.71

Treated Water Flow^{3A}					
Timeframe	Average Flow (m³/day)	Percent of Rated Capacity	Maximum Flow (m³/day)	Percent of Rated Capacity	Total Volume (m³)
April	7.91	3.98%	18.16	9.13%	237.39
May	8.55	4.30%	13.70	6.88%	265.06
June	9.02	4.53%	15.37	7.72%	270.46
July	7.83	3.94%	11.64	5.85%	242.78
August	8.33	4.19%	18.41	9.25%	258.21
September	8.06	4.05%	12.01	6.04%	241.67
October	8.17	4.11%	9.68	4.86%	253.36
November	8.83	4.44%	15.37	7.72%	264.96
December	9.98	5.02%	27.63	13.88%	309.45
2024	8.32	4.18%	27.63	13.88%	3,044.38

^{3A}Treated water flow and flowrate data is equivalent to the raw water flow and flowrate data. There is only one set of pumps 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 Hockley Drinking Water System operated within the rated capacity specified in the MDWL (199 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. The applicable MDWL for the reporting period did not list a maximum allowable limit for the flowrate into a treatment subsystem.

2.2 Raw Water

Permit to Take Water Number (PTTW):	0118-BY6TL8
Allowable Maximum Raw Water Volume - Well #1 (PW1):	90 m ³ /day
Allowable Maximum Raw Water Flowrate - Well #1 (PW1):	136 L/min (2.27 L/sec)

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

Raw Water Flow – Well #1 (PW1)					
Timeframe	Average Flow (m ³ /day)	Percent of Allowable Volume	Maximum Flow (m ³ /day)	Percent of Allowable Volume	Total Volume (m ³)
January	7.68	8.53%	14.05	15.61%	237.96
February	7.81	8.67%	16.99	18.88%	226.37
March	7.64	8.48%	11.97	13.30%	236.71
April	7.91	8.79%	18.16	20.18%	237.39
May	8.55	9.50%	13.70	15.22%	265.06
June	9.02	10.02%	15.37	17.08%	270.46
July	7.83	8.70%	11.64	12.93%	242.78
August	8.33	9.26%	18.41	20.46%	258.21
September	8.06	8.96%	12.01	13.34%	241.67
October	8.17	9.08%	9.68	10.76%	253.36
November	8.83	9.81%	15.37	17.08%	264.96
December	9.98	11.09%	27.63	30.70%	309.45
2024	8.32	9.24%	27.63	30.70%	3,044.38

A review of flow information for the reporting period indicates that Well #1 (PW1) operated within the PTTW's maximum allowable daily raw water volume 90 m³/day.

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

Raw Water Flowrate – Well #1 (PW1)		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	1.94	2.20
February	1.98	2.23
March	1.98	2.23
April	1.96	2.23
May	1.98	2.21

Raw Water Flowrate – Well #1 (PW1)		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
June	1.98	12.50 ^{5A}
July	1.98	2.21
August	1.95	2.22
September	1.93	2.26
October	1.98	2.21
November	1.94	2.21
December	1.91	2.05
2024	1.96	12.50^{5A}

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 #1- PW1 (2.27 L/sec) with the exception of:

- June 20, 2024 – flow exceedance were of a short duration and caused by flushing the contact main after chlorine system maintenance.