ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

2025 Annual Report for Matachewan Drinking Water System

PREPARED BY

Ontario Clean Water Agency
on behalf of the Township of Matachewan

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Introduction

Municipalities throughout Ontario are required to comply with Ontario Regulation 170/03 made under the Safe Drinking Water Act (SDWA) since June 2003. The Act was passed following recommendations made by Commissioner O'Conner after the Walkerton Inquiry. The Act's purpose is to protect human health through the control and regulation of drinking-water systems. O. Reg. 170/03 regulates drinking water testing, use of licensed laboratories, treatment requirements and reporting requirements.

O. Reg. 170/03 requires the owner to produce an Annual Report, under Section 11. This report must include the following:

1. Description of system and chemical(s) used
2. Summary of any adverse water quality reports and corrective actions
3. Summary of all required testing
4. Description of any major expenses incurred to install, repair or replace equipment

This Annual Report must be completed by February 28 of each year.

The regulation also requires a Summary Report which must be presented and accepted by Council by March 31 of each year for the preceding calendar year reporting period.

The report must list the requirements of the Act, its regulations, the system's Drinking Water Works Permit (DWWP), Municipal Drinking Water Licence (MDWL), Certificate of Approval (if applicable), and any regulatory requirement the system failed to meet during the reporting period. The report must also specify the duration of the failure, and for each failure referred to, describe the measures that were taken to correct the failure.

The Safe Drinking Water Act, 2002 and the drinking water regulations can be viewed at the following website: http://www.e-laws.gov.on.ca.

To enable the Owner to assess the rated capacity of their system to meet existing and future planned water uses, the following information is also required in the report.

1. A summary of the quantities and flow rates of water supplied during the reporting period, including the monthly average and the maximum daily flows.
2. A comparison of the summary to the rated capacity and flow rates approved in the systems approval, drinking water works permit or municipal drinking water licence or a written agreement if the system is receiving all its water from another system under an agreement.

The reports have been prepared by the Ontario Clean Water Agency (OCWA) on behalf of the Owner and presented to council as the 2022 Annual/Summary Report.

Section 11 – Annual Report

1. Introduction

Drinking-Water System Name	**Matachewan Drinking Water System**
Drinking-Water System Number	220003653
Drinking-Water System Owner	The Corporation of the Township of Matachewan
Drinking-Water System Category	Large Municipal, Residential System
Reporting Period	January 1, 2025 to December 31, 2025

Does your Drinking-Water System serve more than 10,000 people? No

Is your annual report available to the public at no charge on a web site on the Internet?

Yes at: **http://www.matachewan.com/**

Location where Report required under O. Reg. 170/03 Schedule 22 will be available for inspection:

Matachewan Township Office
1 Moyneur Avenue,
Matachewan Ontario P0K 1N0

Drinking-Water Systems that receive drinking water from the Matachewan Drinking Water System

The Matachewan Drinking Water System provides all drinking water to the community of Matachewan.

The Annual Report was not provided to any other Drinking Water System Owners

The Ontario Clean Water Agency prepared the 2025 Annual/Summary Report for the Matachewan Drinking Water System and provided a copy to the system owner; the Township of Matachewan. The Matachewan Drinking Water System is a stand-alone system that does not receive water from or send water to another system.

Notification to system users that the Annual Report is available for viewing is accomplished through:

- Notice on the Town's website
- Notice in the Town's News Letter

2. Matachewan Drinking Water System (DWS No. 220003653)

The Matachewan Drinking Water System is a communal ground water well supply that services the Town of Matachewan. It is owned by the Corporation of the Township of Matachewan and is operated by the Ontario Clean Water Agency (OCWA). The system consists of Class 1 water treatment subsystem and a Class 1 water distribution subsystem. OCWA is the accredited operating authority and is designated the Overall Responsible Operator for both the water treatment and water distribution facilities.

Raw Water Supply

The water treatment system obtains its water from two production wells with a combined allowable daily volume of 908 m^3/day. The wells are located at 391 Bernard Street, adjacent to the Montreal River. The well head assembly for Well 1 is located within the main building for the water treatment plant while the well head assembly for Well 2 is located outside-adjacent to the water treatment plant building. Both wells consist of a 150 mm diameter steel casing; Well 1 is drilled to a depth of 39.6 m and Well 2 is drilled to a depth of 55 m. Well 1 is equipped with a 30 hp vertical turbine pump assembly and a variable frequency drive (VFD) to pump at a maximum rate of 20 L/s. Well 2 is equipped with a 30 hp submersible pump (VFD compatible) rated at 20 L/s. Each well is equipped with a magnetic flow meter installed in a 150 mm diameter line that directs water into the treatment process. Also included are pump-to-waste capabilities from a common pump discharge line.

Water Treatment

The wells feed the water treatment plant that has a maximum rated capacity of 908 cubic meters per day (m^3/d). The wells operate on an alternating basis but can be adjusted as required.

The plant is controlled by a programmable logic controller (PLC) which communicates with the elevated water storage facility (EWSF) to control the plant start and stop cycles. There is a set point for both wells to prevent them from running more than the permit to take water allows. When the set point is reached, the operational well shuts down and the other well takes over.

The raw water discharges to a combined header in the water treatment plant which is directed to a Filtronics Inc. iron and manganese removal filtration system consisting of two reaction vessels fed with sodium hypochlorite and one pressure filter rated at 10.5 L/second. The filter is filled with Filtronic's Electromedia®, a proprietary media. Sodium hypochlorite solution is injected at the raw water header before the first reaction vessel to oxidize the iron and manganese so it can be removed by the filtration system and provide primary disinfection. The sodium hypochlorite system consists of duplicate chemical pumps (one duty, one back-up) with automatic switchover and a 400 L double walled chemical tank.

The filter is automatically backwashed, prior to shutdown to clean contaminants from the media. Manual backwashes can also be initiated when required. The backwash water is pumped from a

22,700 L underground backwash water storage tank and the wastewater is discharged to the backwash reclaim water tank. A typical backwash time is four (4) minutes.

The system will also go through a purge cycle prior filtration when there is a call for water or after a backwash cycle if the call for water signal is still on. This step allows the filter to reform. Discharge water from the purge cycle goes to the reclaim tank. Normal purge time is from 1 to 10 minutes.

The backwash and purge discharge water stored in the reclaim tank are blended with raw well water to be reprocessed through the filter during filtration mode. The reclaim pump is rated at 1.04 L/second and when in operation, the reclaim water is continuously monitored for turbidity to ensure it will not cause fouling of the media. Settled sludge from the reclaim tank will be removed via hauling truck when needed.

Filtered water is continuously monitored using free chlorine residual analyzer that is alarmed and is measured by an in-line magnetic flow meter before entering the underground chlorine contact chamber pipe. The 23.87 m^3 chlorine contact pipe consists of a 750 mm diameter x 54 m long PVC constructed pressure pipe which provides appropriate contact time to ensure adequate primary disinfection of the water before entering the distribution system.

A compliance free chlorine residual analyzer is installed after the chlorine contact chamber to ensure water entering the distribution system meets primary disinfection requirements and has a sufficient chlorine to maintain a residual throughout the distribution system. The analyzer is pH compensated and equipped with alarms.

An ammonium sulphate system was installed downstream from the compliance free chlorine analyzer to convert the free chlorine residual to combined chlorine residual before entering the distribution system. The ammonium sulphate chemical addition is fully redundant having a duty backup system consisting of two chemical pumps. After the ammonia injection point there is a total chlorine analyzer to measure and record the total chlorine residual entering the distribution system. The ammonia sulphate solution is stored in a 350 L double walled storage tank. Currently the system is not in use, but may be required if trihalomethane (THM) and/or haloacetic acid (HAA) results increase in the distribution system.

Water Storage

An elevated water storage facility (EWSF) with a tank volume of 650 m^3 was constructed and put into operation on December 16, 2015. The EWSF is located at the South East corner of Anita Street and Amabilis Avenue in the community of Matachewan and has approximately two days of water storage. It is used to provide fire storage, equalization storage and emergency storage capability. The EWSF houses a sodium hypochlorite feed system consisting of two metering pumps (one duty and one spare), two sodium hypochlorite tanks and a chlorine residual analyzer.

A flow meter, pressure gauge, process piping, valves, controls and instrumentation are also on-site.

Control System

The Matachewan Water Treatment System is controlled by a dedicated Programmable Logic Controller (PLC) and monitored through a Control System Supervisory Control and Data Acquisition (SCADA) system. All analyzing, monitoring and control module equipment information is routed through the SCADA system for operator monitoring and control. Control of equipment can be accomplished locally using the SCADA computer located at the Matachewan water treatment plant or remotely using operator computers and cell phones. Alarm capability and set point adjustment along with trend monitoring are also available through SCADA system controls.

Emergency Power

A 100 KW diesel powered generator is available at the water treatment building and is capable of supplying power to the entire facility during power failures.

A 15 KW diesel generator is also available outside the water tower to provide standby power during emergencies.

Distribution System

The Matachewan Drinking Water System is categorized as a Large Municipal Residential Drinking Water System and serves an estimated population of 266 residents. The distribution system consists of approximately 191 active residential service connections and 177 homes. A review of the distribution system drawings indicated that water mains are primarily six, eight and ten inch in diameter and constructed of ductile iron with PVC constructed pipe used in the upgraded sections of Town. Additionally, service connections to private residences consist primarily of ¾ inch copper pipe. There are an estimated 71 fire hydrants connected to the system for fire protection. An auto-flushing device at the end of Rye Street is programmed to flush at a certain time each day for a specified duration to help maintain the quality of the water.

3. List of water treatment chemicals used over the reporting period

The following chemicals were used in the treatment process at the Matachewan Water Treatment Plant.

- Sodium hypochlorite – Oxidation and Disinfection

This treatment chemical meets AWWA and NSF/ANSI standards.

4. Significant expense incurred to the drinking water system

OCWA is committed to maintaining the assets of the drinking water system and maintains a program of scheduled inspection and maintenance activities using a computerized Work Management System (WMS).

Significant expenses incurred in the drinking water system include:

- Heater
- Flushing
- Hydrant Repair
- Generator Service
- Analyzer
- Hydro Vac
- DWQMS third party audit
- Clean reclaim Tank
- Genset maintenance
- Extinguisher Inspection
- Capital work

5. Details on notices of adverse test results and other problems reported to & submitted to the spills action center

Based on information kept on record by OCWA, one adverse water quality incidents were reported to the Ministry's Spills Action Centre in 2025.

Date	AWQI No.	Details
October 27, 2025	170549	Sample Taken on October 20th, 2025 at 13:49 from Matachewan WTP POE had a sodium result of 21.5 mg/L. Re-sample Taken on October 28th, 2025 at 09:23 from Matachewan WTP POE had a sodium result of 21.6 mg/L. NEPHU will issue a letter to local physicians to advise them of elevated sodium levels in drinking water.

6. Microbiological Testing Performed During the Reporting Period

Table 1: Summary of Microbiological Data

Sample Type	# of Samples	*Range of E.coli* Results *(min to max)*	Range of Total Coliform Results *(min to max)*	# of HPC Samples	Range of HPC Results *(min to max)*
Raw **(Well No. 1)**	**52**	**0 to 0**	**0 to 0**	**N/A**	**N/A**
Raw **(Well No. 2)**	**52**	**0 to 0**	**0 to 0**	**N/A**	**N/A**
Treated	**52**	**0 to 0**	**0 to 0**	**52**	**< 10 to 150**
Distribution	**106**	0 TO 0	0 to 0	**52**	**< 10 to 100**

Maximum Allowable Concentration (MAC) for *E. coli* = 0 Counts/100 mL
MAC for Total Coliforms = 0 Counts/100 mL
"<" denotes less than the laboratory's method detection limit
">" denotes greater than the laboratory's method detection limit

Notes:

1. One microbiological sample is collected and tested each week from the raw (each well) and treated water supply. A total of two microbiological samples are collected and tested each week from the Matachewan distribution system. At least 25% of the distribution samples must be tested for HPC bacteria.

7. Operational Testing Performed During The Reporting Period

Table 2: Summary of Raw Water Turbidity Data

Parameter	# of Samples	Range of Results *(min to max)*	Unit of Measure
Turbidity *(Well No. 1)*	*24*	**0.25 to 3.86**	**NTU**
Turbidity *(Well No. 2)*	*23*	**0.26 to 19.30**	**NTU**

Note: Turbidity samples are required once every month.

Table 3: Continuous Monitoring in the Treatment Process

Parameter	No. of Samples	Range of Results (min to max)	Unit of Measure	Standard
Free Chlorine Residual	**8760**	**0.02 to 5.12**	**mg/L**	**CT**

Notes:

1. For continuous monitors 8760 is used as the number of samples.

2. CT is the concentration of chlorine in the water times the time of contact that the chlorine has with the water. It is used to demonstrate the level of disinfection treatment in the water. CT calculations are performed for the Matachewan water plant if the free chlorine residual level drops below 0.15 mg/L to ensure primary disinfection is achieved.

Table 4: Summary of Chlorine Residual Data in the Distribution System

Parameter	No. of Samples	Range of Results (min to max)	Unit of Measure	Standard
Free Chlorine Residual	**411**	**0.08 to 5.00**	**mg/L**	**≥ 0.05**

Note:

1. A total of seven operational checks for chlorine residual in the distribution system are collected each week. Four (4) samples are tested one day and three (3) on a second day. The sample sets are collected at least 48-hours apart and samples collected on the same day are from different locations.

8. Chemical Testing

Table 5: Summary of Nitrate & Nitrite Data (sampled at the plant's point of entry into the distribution every quarter)

Date of Sample	Nitrate Result	Nitrite Result	Unit of Measure	Exceedance
January 13	<0.50	< 0.01	mg/L	No
April 14	0.40	< 0.01	mg/L	No
July 7	0.10	< 0.01	mg/L	No
October 28	<0.10	< 0.01	mg/L	No

Maximum Allowable Concentration (MAC) for Nitrate = 10 mg/L

MAC for Nitrite = 1 mg/L

Table 6: Summary of Total Trihalomethane Data (sampled in the distribution system every quarter)

Date of Sample	THM Result	Unit of Measure	Running Average	Exceedance
January 13	64.7	ug/L	83.5	No
April 14	70	ug/L		
July 7	76.4	ug/L		
October 28	123	ug/L		

Maximum Allowable Concentration (MAC) for Total Trihalomethanes = 100 ug/L (Four Quarter Running Average)

Table 7: Summary of Total Haloacetic Acid Data (sampled in the distribution system every quarter)

Date of Sample	Result Value	Unit of Measure	Running Average	Exceedance
January 13	72	ug/L	74.8	No
April 14	40	ug/L		
July 7	45	ug/L		
October 28	142	ug/L		

Maximum Allowable Concentration (MAC) for Total Haloacetic Acid = 80 ug/L (Four Quarter Running Average)

Note:

* HAA samples are collected and tested quarterly as required under section 13-6 of Schedule 13, under O. Reg. 170/03.

Summary of Most Recent Lead Data under Schedule 15.1

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

The Matachewan Drinking Water System was eligible to follow the "Exemption from Plumbing Sampling" as described in section 15.1-5(9) and 15.1-5(10) of Schedule 15.1 of Ontario Regulation 170/03. The exemption applies to a drinking water system if, in two consecutive periods at reduced sampling, not more than 10% of all samples from plumbing exceed the maximum allowable concentration (MAC) of 10 ug/L for lead. As such, the system was required to test for total alkalinity and pH in one distribution sample collected during the periods of December 15 to April 15 (winter period) and June 15 to October 15 (summer period). This testing is required in every 12-month period with lead testing in every third 12-month period.

Lead samples were last collected in 2023 and results were well below the MAC. Two rounds of alkalinity and pH testing were carried out on April 7th and October 7th of 2025. Results are summarized in the table below.

Table 8: Summary of Lead Data (sampled in the distribution system)

Date of Sample	# of Samples	Field pH *(min to max)*	Field Temperature (°C) *(min to max)*	Alkalinity (mg/L) *(min to max)*	Lead (ug/L) *(min to max)*
April 7	1	7.36	7.40	69	N/A
October 7	2	6.9 to 7.1	9.6 to 10.8	148	N/A

Note: Next lead sampling scheduled for 2026

Table 9: Most Recent Schedule 23 Inorganic Data Tested at the Water Treatment Plant

Parameter	Result Value	Unit of Measure	MAC	MAC Exceedance	½ MAC Exceedance
Antimony	< 0.5	ug/L	6	NO	NO
Arsenic	< 1.0	ug/L	10	No	No
Barium	43.0	ug/L	1000	No	No
Boron	3.0	ug/L	5000	No	No
Cadmium	< 0.1	ug/L	5	No	No
Chromium	< 1.0	ug/L	50	No	No
Mercury	< 0.1	ug/L	1	No	No
Selenium	0.7	ug/L	50	No	No
Uranium	2.0	ug/L	20	No	No

Note: Sample required every 36 months (sample date = *October 10, 2023).* Next sampling scheduled for October 2026

Table 10: Most Recent Schedule 24 Organic Data Tested at the Water Treatment Plant

Parameter	Result Value	Unit of Measure	Standard	MAC Exceedance	½ MAC Exceedance
Alachlor	< 0.313	ug/L	5	No	No
Atrazine + N-dealkylated metobolites	< 0.5	**ug/L**	5	No	No
Azinphos-methyl	< 0.235	**ug/L**	20	No	No
Benzene	< 0.1	**ug/L**	1	No	No
Benzo(a)pyrene	< 0.01	**ug/L**	0.01	No	No
Bromoxynil	< 0.092	**ug/L**	5	No	No
Carbaryl	< 2.0	**ug/L**	90	No	No
Carbofuran	< 3.0	**ug/L**	90	No	No
Carbon Tetrachloride	< 0.2	**ug/L**	2	No	No
Chlorpyrifos	< 0.235	**ug/L**	90	No	No
Diazinon	< 0.235	**ug/L**	20	No	No
Dicamba	< 0.081	**ug/L**	120	No	No
1,2-Dichlorobenzene	< 0.2	**ug/L**	200	No	No
1,4-Dichlorobenzene	< 0.3	**ug/L**	5	No	No

Parameter	Result Value	Unit of Measure	Standard	MAC Exceedance	½ MAC Exceedance
1,2-Dichloroethane	< 0.2	**ug/L**	5	No	No
1,1 Dichloroethylene (vinylidene chloride)	< 0.3	**ug/L**	14	No	No
Dichloromethane	< 1.0	**ug/L**	50	No	No
2-4 Dichlorophenol	< 0.2	**ug/L**	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	< 0.345	**ug/L**	100	No	No
Diclofop-methyl	< 0.115	**ug/L**	9	No	No
Dimethoate	< 0.235	**ug/L**	20	No	No
Diquat	< 0.2	**ug/L**	70	No	No
Diuron	< 10.0	**ug/L**	150	No	No
Glyphosate	< 20.0	**ug/L**	280	No	No
Malathion	< 0.235	**ug/L**	190	No	No
Metolachlor	< 0.157	**ug/L**	50	No	No
Metribuzin	< 0.157	**ug/L**	80	No	No
Monochlorobenzene	< 0.5	**ug/L**	80	No	No
Paraquat	< 0.2	**ug/L**	10	No	No
Polychlorinated Biphenyls (PCBs)	< 0.08	**ug/L**	3.0	No	No
Pentachlorophenol	< 0.3	**ug/L**	60	No	No
Phorate	< 0.157	**ug/L**	2	No	No
Picloram	< 0.081	**ug/L**	190	No	No
Prometryne	< 0.078	**ug/L**	1	No	No
Simazine	< 0.235	**ug/L**	10	No	No
Terbufos	< 0.157	**ug/L**	1	No	No
Tetrachloroethylene	< 0.3	**ug/L**	30	No	No
2,3,4,6-Tetrachlorophenol	< 0.3	**ug/L**	100	No	No
Triallate	< 0.157	**ug/L**	230	No	No
Trichloroethylene	< 0.2	**ug/L**	10	No	No
2,4,6-Trichlorophenol	< 0.2	**ug/L**	5	No	No

Parameter	Result Value	Unit of Measure	Standard	MAC Exceedance	½ MAC Exceedance
2-methyl-4-chlorophenoxyacetic acid (MCPA)	< 5.75	**ug/L**	100	No	No
Trifluralin	< 0.157	**ug/L**	45	No	No
Vinyl Chloride	< 0.1	**ug/L**	1	No	No

Note: Sample required every 36 months (sample date = *October 10, 2023).* Next sampling scheduled for October 2026

Inorganic or Organic Parameter(s) that Exceeded Half the Standard Prescribed in Schedule 2 of Ontario Drinking Water Quality Standards

No inorganic or organic parameter(s) listed in Schedule 23 and 24 of Ontario Regulation 170/03 exceeded half the standard found in Schedule 2 of the Ontario Drinking Water Standard (O. Reg.169/03) during the reporting period.

Table 11: Most Recent Sodium Data Sampled at the Water Treatment Plant

Date of Sample	Number of Samples	Result Value	Unit of Measure	MAC	Exceedance
October 20, 2025	**1**	**21.5**	**mg/L**	**20**	**No**
October 28, 2025	**2**	**21.6**	**mg/L**	**20**	**No**

Note: Sample required every 60 months. Next sampling scheduled for October 2030.

The aesthetic objective for sodium in drinking water is 200 mg/L at which it can be detected by a salty taste. It is required that the local Medical Officer of Health be notified when the concentration exceeds 20 mg/L so that persons on sodium restricted diets can be notified by their physicians. The adverse sodium result was reported to the Ministry's SAC and the Northeastern Health Unit on October 27, 2025 as required under Schedule 16 of O. Reg. 170/03 (AWQI# 170549).

Table 12: Most Recent Fluoride Data Sampled at the Water Treatment Plant

Date of Sample	Number of Samples	Result Value	Unit of Measure	MAC	Exceedance
October 28, 2025	1	< 0.05	mg/L	1.5	No

Note: Sample required every 60 months. Next sampling scheduled for October 2030.

9. Additional Testing Performed in Accordance with a Legal Instrument

No additional regulatory sampling and testing was required for the Matachewan Drinking Water System during the 2025 reporting period.

Schedule 22 – Summary Reports for Municipalities

1. Introduction

Drinking-Water System Name	Matachewan Drinking Water System
Municipal Drinking Water Licence (MDWL)	279-101-4 (issued September 24, 2020)
Drinking Water Works Permit (DWWP)	279-201-4 (issued September 24, 2020)
Permit to Take Water (PTTW)	4018-CZZLFM (issued April 12, 2024)
Reporting Period	January 1 to December 31, 2025

2. Requirements the System Failed to Meet

According to information kept on record by OCWA, the Matachewan Drinking Water System failed to meet the following requirement during the 2025 reporting period:

Table 13: Requirements the system failed to meet

Drinking Water Legislation	Requirement(s) the System Failed to Meet	Duration	Corrective Action(s)	Status
Ontario. Regulation 170/03	The alarm dialer was unable to call-out when a communication cable was damaged due to falling trees as information provided Northern Tel Operator. Alarms were operational but unable to call out the operator if an alarm event occurred from July 04 at 8:37 PM to July 05 at 2:15 PM. An on-call operator drove to the site after loss of Wonderware during the 72 hr. review and loss of remote access. Upon arrival to the plant audible alarms were heard due to plant shutdown that occurred on July 05 at 3:54 AM. The plant shutdown prevents any adverse conditions. The on-call operator reviewed chart recorders on-site and no adverse conditions were observed.	July 04, 2025	Alarm dialer was tested once the cable was repaired and was functioning normally. A review of Wonderware was done once communication was restored and no adverse conditions were observed.	Complete

It should be mentioned that one (1) adverse water quality incidents were reported to the Ministry's Spills Action Center during the reporting period. Refer to Section 5 Details on notices of adverse test results and other problems reported to & submitted to the spills action center on page 6 of this report for details.

3. Summary of Quantities and Flow Rates

3.1 Flow Monitoring

MDWL No. 279-101 requires the owner to install a sufficient number of flow measuring devices to permit the continuous measurement and recording of:

- the flow rate and daily volume of treated water that flows from the treatment subsystem the distribution system, and
- the flow rate and daily volume of water that flows into the treatment subsystem.

The flow monitoring equipment identified in the MDWL is present and operating as required. These flow meters are calibrated on an annual basis as specified in the manufacturers' instructions.

3.2 Water Usage

The following water usage tables summarize the quantities and flow rates of water taken and produced during the 2025 reporting period, including total monthly volumes, average monthly volumes, maximum monthly volumes, and maximum flow rates.

Raw Water

Table 14: 2025 – Monthly Summary of Water Takings from the Well No. 1 and Well No. 2

Table A: 2025 - Monthly Summary of Water Taking From Well No. 1

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year to Date
Total Volume (m^3)	11195	9318	10898	11254	11161	11469	9931	11008	10994	4476	7447	11305	120456
Average Volume (m^3/d)	361	332	351	376	360	382	320	355	366	144	251	364	330
Maximum Volume (m^3/d)	454	454	454	454	454	454	454	454	454	416	348	446	454
PTTW - Maximum Allowable Volume (m^3/day)	454	454	454	454	454	454	454	454	454	454	454	454	454
Maximum Flow Rate (L/min)	1132	1167	1117	1227	1076	1154	1133	1187	1265	1149	1143	1130	1265
PTTW - Maximum Allowable Flow Rate (L/min)	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400

Note: *The system's PTTW allows the flow rate of 1500 L/min upon well pump start-up.*

Table B: 2025 - Monthly Summary of Water Taking From Well No. 2

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year to Date
Total Volume (m^3)	1020	1225	845	1665	2293	2426	2342	1834	827	5154	1477	138	21246
Average Volume (m^3/d)	33.0	44.0	27.0	55.0	74.0	81.0	75.0	59.0	27.0	166.0	49.0	4.0	58
Maximum Volume (m^3/d)	150	250	250	253	250	250	286	259	189	395	319	37	395
PTTW - Maximum Allowable Volume (m^3/day)	454	454	454	454	454	454	454	454	454	454	454	454	454
Maximum Flow Rate (L/min)	1064	1103	1064	1066	1064	1071	1069	1504	1099	1152	1108	1036	1504
PTTW - Maximum Allowable Flow Rate (L/min)	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400

Note: *The system's PTTW allows the flow rate of 1500 L/min upon well pump start-up.*

Table C: Combined Water Taking (Well No. 1 and Well No. 2)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year to Date
Total Volume (m^3)	12215	10543	11743	12920	13455	13897	12273	12843	11822	9630	9024	11444	141809
Average Volume (m^3/d)	394	376	379	430	434	463	396	414	394	310	301	369	388
Maximum Volume (m^3/d)	533	543	503	560	578	677	710	551	635	457	363	447	710
PTTW - Maximum Allowable Volume (m^3/day)	908	908	908	908	908	908	908	908	908	908	908	908	908

The system's Permit to Take Water #4018-CZZLFM, allows the Township to withdraw water at the following rates:

Well No. 1: 454 m^3/day 1400 L/minute (1500 L/min during pump start-ups and shut downs)

Well No. 2: 454 m^3/day 1400 L/minute (1500 L/min during pump start-ups and shut downs)

Total Combined Daily Volume: 908 m^3/day

A review of the raw water flow data indicates that the system did not exceed the maximum allowable volumes during the reporting period.

Treated Water

Table 15: 2025 – Monthly Summary of Treated Water Supplied to the Distribution System

Regulated by Municipal Drinking Water Licence (MDWL) #279-101 (issue 4), issued September 24, 2020

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year to Date
Total Volume (m^3)	12482	10670	11958	13156	13680	14099	12455	13023	11980	9612	9286	11771	144172
Average Volume (m^3/d)	403	381	385	438	441	470	401	420	399	310	309	379	395
Maximum Volume (m^3/d)	550	551	513	571	594	686	720	558	641	455	372	461	720
MDWL - Rated Capacity (m^3/day)	908	908	908	908	908	908	908	908	908	908	908	908	908

Schedule C, Section 1.0 (1.1) of MDWL No. 279-101 states that the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed 908 m^3/day. The Matachewan DWS complied with this limit having a recorded maximum volume of 720 m^3/day, which represents 79% of the rated capacity.

Table 16 and Figure 1 compare the average and maximum flow rates into the distribution system to the rated capacity of the system identified in the MDWL.

Table 16 : Comparision of Treated Water Flows to the Rated Capacity

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average Flow (m^3/day)	403	381	385	438	441	470	401	420	399	310	309	379
Maximum Flow (m^3/day)	550	551	513	571	594	686	720	558	641	455	372	461
MDWL - Rated Capacity	908	908	908	908	908	908	908	908	908	908	908	908
% Rated Capacity	61	61	56	63	65	76	79	61	71	50	41	51

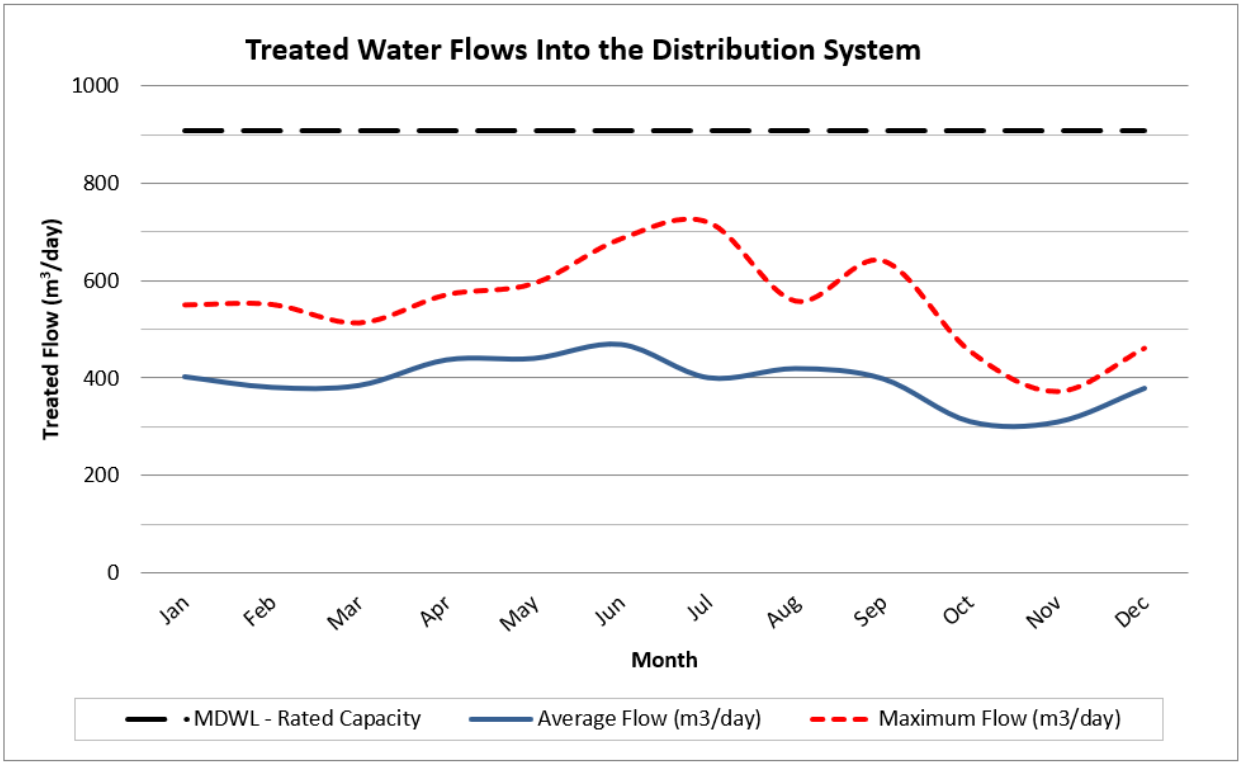


Figure 1: 2025 - Comparison of Treated Water Flows to the Rated Capacity

3.3 Summary of System Performance

The following information is provided to enable the Owner to assess the capability of the system to meet existing and future water usage needs.

Rated Capacity of the Plant (MDWL)	908 m^3/day	
Average Daily Flow for 2025	395 m^3/day	43.5 % of the rated capacity
Maximum Daily Flow for 2025	720 m^3/day	79 % of the rated capacity
Total Treated Water Produced in 2025	144,172 m^3	

Table 17 and Figure 2 compares the Historical average treated water flows from 2021 to 2025.

Table 17: Matachewan Water Treatment Plant – Flow Comparison

Year	Maximum Treated Flow (m^3/d)	Average Daily Flow (m^3/d)	Average Day % of Rated Capacity (908 m^3/d)
2025	**720**	**395**	**43.5%**
2024	752	385	42.4 %
2023	746	480	52.9 %
2022	766	406	44.7 %
2021	642	376	41.4 %

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2021 Average Flow (m^3/day)	418	410	425	401	398	413	377	419	329	281	269	376
2022 Average Flow (m^3/day)	407	394	438	422	368	363	377	363	406	410	415	512
2023 Average Flow (m^3/day)	577	382	398	408	401	422	395	571	578	539	577	515
2024 Average Flow (m^3/day)	451	456	446	364	382	488	470	429	232	238	301	364
2025 Average Flow (m^3/day)	403	381	385	438	441	470	401	420	399	310	309	379
MDWL - Rated Capacity (m^3/day)	908	908	908	908	908	908	908	908	908	908	908	908

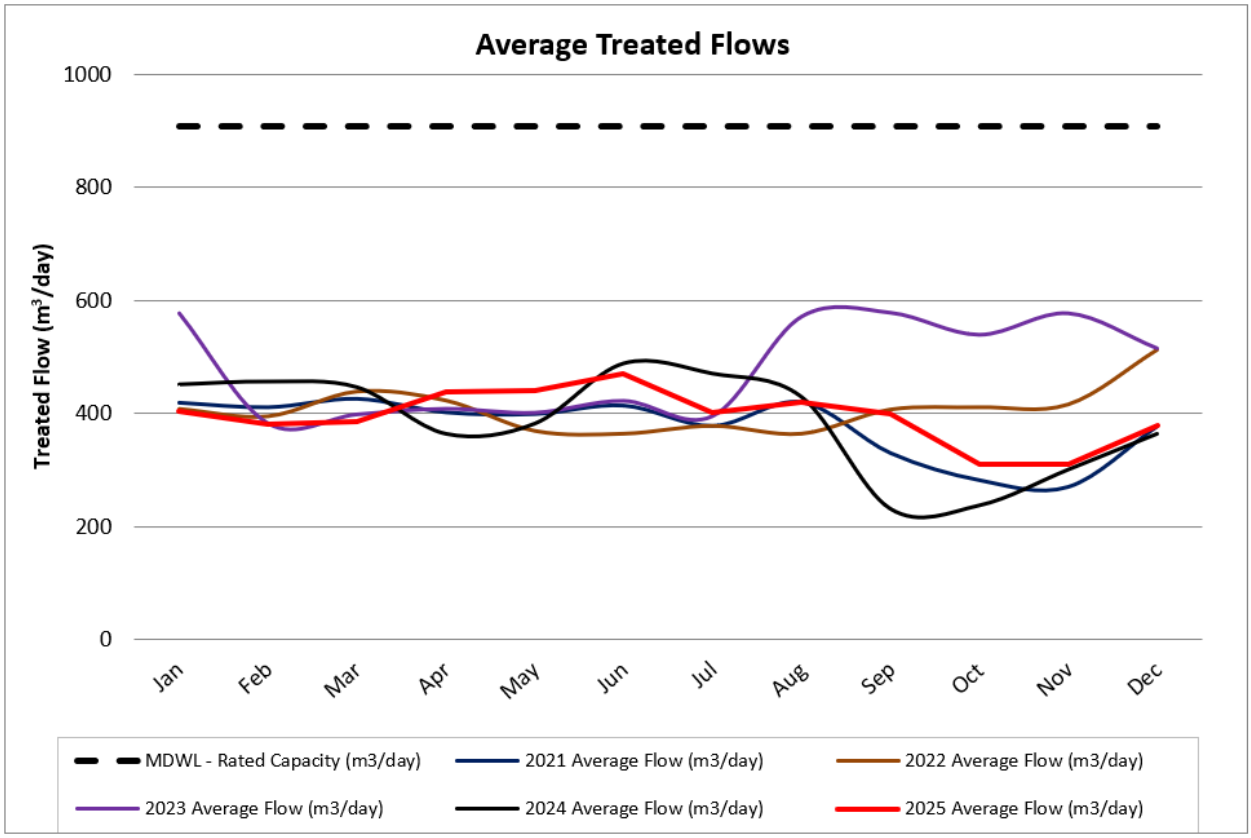


Figure 2: Matachewan Water Treatment System - Average Treated Water Flows from 2021 to 2025.

Conclusion

The water quality data collected in 2024 demonstrates that the Matachewan drinking water system provided good quality drinking water to its users.

The system was able to operate in accordance with the terms and conditions of the Permit to Take Water and in accordance with the rated capacity of the licence while meeting the community's demand for water use.

All Adverse Water Quality Incidents were reported to the Ministry's Spills Action Center and the corrective actions were completed as required and any non-compliances that were identified were resolved as soon as possible.

APPENDIX A

Monthly Summary of Microbiologcal Test Results

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: MATACHEWAN DRINKING WATER SYSTEM
Receiver:

Facility Org Number: 7203
Facility Owner: Municipality: Township of Matachewan
Service Population: 407

Works: 220003653
Facility Classification: Class 1 Water Treatment
Total Design Capacity: 908 m3/day

													2025			
MW-3 (Bacti)	Jan 2025	Feb 2025	Mar 2025	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025	Oct 2025	Nov 2025	Dec 2025	Total	Avg	Max	Min
E. Coli - cfu/100mL																
Count	4.00	4.00	4.00	4.00	4.00	5.00	4.00	5.00	5.00	4.00	4.00	5.00	52.00			
Lab Count	4.00	4.00	4.00	4.00	4.00	5.00	4.00	5.00	5.00	4.00	4.00	5.00	52.00			
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		
Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00
HPC - cfu/mL																
Count	2.00	2.00	2.00	1.00	2.00	3.00	2.00	2.00	2.00	2.00	2.00	3.00	25.00			
Lab Count	2.00	2.00	2.00	1.00	2.00	3.00	2.00	2.00	2.00	2.00	2.00	3.00	25.00			
Lab Month.Max	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	10.00	10.00	< 10.00	< 10.00	< 10.00	< 10.00			10.00	
Lab Month.Mean	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00		< 10.00		
Lab Month.Min	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00				< 10.00
Total Coliform: TC - cfu/100mL																
Count	4.00	4.00	4.00	4.00	4.00	5.00	4.00	5.00	5.00	4.00	4.00	5.00	52.00			
Lab Count	4.00	4.00	4.00	4.00	4.00	5.00	4.00	5.00	5.00	4.00	4.00	5.00	52.00			
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		
Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00

													2025			
MW-4 (Bacti)	Jan 2025	Feb 2025	Mar 2025	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025	Oct 2025	Nov 2025	Dec 2025	Total	Avg	Max	Min
E. Coli - cfu/100mL																
Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00			
Lab Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00			
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		
Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00
HPC - cfu/mL																
Count	2.00	2.00	2.00	3.00	2.00	2.00	2.00	2.00	3.00	2.00	2.00	2.00	26.00			
Lab Count	2.00	2.00	2.00	3.00	2.00	2.00	2.00	2.00	3.00	2.00	2.00	2.00	26.00			
Lab Month.Max	< 10.00	10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	10.00	40.00	100.00	10.00	10.00			100.00	
Lab Month.Mean	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 23.33	< 55.00	< 10.00	< 10.00		< 15.00		
Lab Month.Min	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00				< 10.00
Total Coliform: TC - cfu/100mL																
Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00			
Lab Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00			
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		

Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
																	2025	
Well 1	Jan 2025	Feb 2025	Mar 2025	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025	Oct 2025	Nov 2025	Dec 2025	Total		Avg		Max	Min
E. Coli: EC - cfu/100mL																		
Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00			
Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Total Coliform: TC - cfu/100mL																		
Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00			
Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
																	2025	
Well 2	Jan 2025	Feb 2025	Mar 2025	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025	Oct 2025	Nov 2025	Dec 2025	Total		Avg		Max	Min
E. Coli: EC - cfu/100mL																		
Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00			
Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Total Coliform: TC - cfu/100mL																		
Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00			
Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
																	2025	
Treated Water (POE)	Jan 2025	Feb 2025	Mar 2025	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025	Oct 2025	Nov 2025	Dec 2025	Total		Avg		Max	Min
E. Coli: EC - cfu/100mL																		
Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00			
Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
HPC - cfu/mL																		
Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					

Lab Month.Max	30.00	10.00	20.00	< 10.00	20.00	10.00	150.00	10.00	40.00	20.00	< 10.00	20.00			150.00	
Lab Month.Mean	< 15.00	< 10.00	< 12.50	< 10.00	< 12.50	< 10.00	< 45.00	< 10.00	< 22.00	< 12.50	< 10.00	< 12.00		< 15.00		
Lab Month.Min	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00				< 10.00
Total Coliform: TC - cfu/100mL																
Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00			
Lab Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00			
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		
Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00

APPENDIX B

Monthly Summary of Operational Data

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: MATACHEWAN DRINKING WATER SYSTEM
Receiver:

Facility Org Number: 7203
Facility Owner: Municipality: Township of Matachewan
Service Population: 407

Works: 220003653
Facility Classification: Class 1 Water Treatment
Total Design Capacity: 908 m3/day

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

												2025				
MW-3 (Bacti)	Jan 2025	Feb 2025	Mar 2025	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025	Oct 2025	Nov 2025	Dec 2025	Total	Avg	Max	Min
E. Coli - cfu/100mL																
Count	4.00	4.00	4.00	4.00	4.00	5.00	4.00	5.00	5.00	4.00	4.00	5.00	52.00			
Lab Count	4.00	4.00	4.00	4.00	4.00	5.00	4.00	5.00	5.00	4.00	4.00	5.00	52.00			
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		
Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00
HPC - cfu/mL																
Count	2.00	2.00	2.00	1.00	2.00	3.00	2.00	2.00	2.00	2.00	2.00	3.00	25.00			
Lab Count	2.00	2.00	2.00	1.00	2.00	3.00	2.00	2.00	2.00	2.00	2.00	3.00	25.00			
Lab Month.Max	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	10.00	10.00	< 10.00	< 10.00	< 10.00	< 10.00			10.00	
Lab Month.Mean	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00		< 10.00		
Lab Month.Min	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00				< 10.00
Total Coliform: TC - cfu/100mL																
Count	4.00	4.00	4.00	4.00	4.00	5.00	4.00	5.00	5.00	4.00	4.00	5.00	52.00			
Lab Count	4.00	4.00	4.00	4.00	4.00	5.00	4.00	5.00	5.00	4.00	4.00	5.00	52.00			
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		
Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00

												2025				
MW-4 (Bacti)	Jan 2025	Feb 2025	Mar 2025	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025	Oct 2025	Nov 2025	Dec 2025	Total	Avg	Max	Min
E. Coli - cfu/100mL																
Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00			
Lab Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00			
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		
Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00
HPC - cfu/mL																
Count	2.00	2.00	2.00	3.00	2.00	2.00	2.00	2.00	3.00	2.00	2.00	2.00	26.00			
Lab Count	2.00	2.00	2.00	3.00	2.00	2.00	2.00	2.00	3.00	2.00	2.00	2.00	26.00			
Lab Month.Max	< 10.00	10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	10.00	40.00	100.00	10.00	10.00			100.00	
Lab Month.Mean	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 23.33	< 55.00	< 10.00	< 10.00		< 15.00		
Lab Month.Min	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00				< 10.00
Total Coliform: TC - cfu/100mL																
Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00			
Lab Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00			
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		

Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
																	2025	
Well 1	Jan 2025	Feb 2025	Mar 2025	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025	Oct 2025	Nov 2025	Dec 2025	Total		Avg		Max	Min
E. Coli: EC - cfu/100mL																		
Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00			
Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Total Coliform: TC - cfu/100mL																		
Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00			
Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
																	2025	
Well 2	Jan 2025	Feb 2025	Mar 2025	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025	Oct 2025	Nov 2025	Dec 2025	Total		Avg		Max	Min
E. Coli: EC - cfu/100mL																		
Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00			
Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Total Coliform: TC - cfu/100mL																		
Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00			
Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
																	2025	
Treated Water (POE)	Jan 2025	Feb 2025	Mar 2025	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025	Oct 2025	Nov 2025	Dec 2025	Total		Avg		Max	Min
E. Coli: EC - cfu/100mL																		
Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00			
Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
HPC - cfu/mL																		
Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					
Lab Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00					

Lab Month.Max	30.00	10.00	20.00	< 10.00	20.00	10.00	150.00	10.00	40.00	20.00	< 10.00	20.00			150.00	
Lab Month.Mean	< 15.00	< 10.00	< 12.50	< 10.00	< 12.50	< 10.00	< 45.00	< 10.00	< 22.00	< 12.50	< 10.00	< 12.00		< 15.00		
Lab Month.Min	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00	< 10.00				< 10.00
Total Coliform: TC - cfu/100mL																
Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00			
Lab Count	4.00	4.00	4.00	5.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	52.00			
Lab Month.Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	
Lab Month.Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		
Lab Month.Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00