

SYSTEM OVERVIEW

July 1st to September 30th , 2025

OPERATIONAL HIGHLIGHTS

Drinking Water System

- The water treatment system operated well during the third quarter.
- Issue with the transformer failing at the plant. Hydro One was called in to repair.
- 10" Watermain break at 298 1st St.

Wastewater Treatment

- The wastewater treatment system performed well during the third quarter.
- 300 Louis St SPS power down do to transformer issue. Station was pumped down with vacuum truck to avoid overflow. Hydro One repaired the incoming power to bring the station back online.
- Plan for 88HP submersible pump replacement. Pump is obsolete. A rebuild assessment was completed and found to be uneconomical to rebuild. Proposed 60HP replacement. Working with OCWA's Energy Analyst to apply for IESO energy incentives. Obtained P.ENG endorsement showing the pump meets the sewage station's pumping requirements for compliance
- Back-up generator failed to start during a power outage resulting in spill of 40 m3 being reported.

CAPITAL PLAN PROGRESS

Drinking Water System

- N/A

Wastewater Treatment

- 300 Mattawan sewage pump station had plugged pumps and alarming issues. Alarms believed to be intermittent due to the preceding pump control panel failure. As a result of the failing pump control panel, high level did not alarm out and a bypass went undetected. The event lasted 25 days with an overflow volume of 13,800 m³. Pump started making noise, alerting operator to check pumps. Pumps were plugged with unflushable waste and one pump was sent off for a rebuild.



- Telus 3G network began to gradually shut down, which may have also contributed interference with alarming. Telus upgraded the network equipment at Mattawan, Brook and McKenzie sewage pumping stations.
- Temporary pump control panel installed at 300 Mattawan station. The temporary panel allows one pump to operate on a float, so there is control for automatic pump starts and stops.
- Pumps plugged at 451 Bissett sewage pumping station. Operators pulled the pumps. Pump #1 was clogged with unflushable waste which sheared the shaft at the impeller. Pump #2 motor separated from the volute. It was also clogged. The pumps are 34 years old. Operators assembled the best parts of the two pumps into one. They inserted Pump #2 into the volute of Pump #1. This became Pump #2. It was tested, deemed operational and placed back into service. The station was successfully pumped down and the bypass was terminated. Xylem installed a loaner Pump #1. Xylem also removed the failed pump parts to assess for possible rebuild or replacement.
- Back-up generator failed to start during a power outage resulting in spill of 40 m3 being reported. Generator technician replaced the starter batteries and installed a new appropriately sized 24V charger.

ASSET MANAGEMENT

See Appendix A - Work Order summary for water treatment plant (WTP)

See Appendix B - Work Order summary for wastewater treatment lagoon (WWTL)

CALL-OUT SUMMARY

See Appendix C – Call-out Report for WTP

See Appendix D - Call-out Report for WWTL

REGULATORY

- All drinking water samples required under O. Regulation 170/03 were collected and tested in the third quarter of 2025 and all results fell within regulatory limits.
- There was no Ministry of the Environment, Conservation and Parks (MECP) or Ministry of Labour (MOL) inspections conducted this quarter.
- Quarterly trihalomethanes (THM), haloacetic acids (HAA), Nitrate and Nitrite sampling completed July 24, 2025.
- Annual above ground well inspections completed August 4, 2025, for both wells.
- All sewage samples required under the system's C of A collected and tested in the third quarter of 2025.

INCIDENTS AND COMPLAINTS

Mattawa Drinking Water System

Incident	N/A
Date	
Details	

Mattawa Wastewater System

Incident	300 Mattawan Street Pump Station Spill
Date	July 21 to August 15, 2025
Details	300 Mattawan sewage pump station had plugged pumps and alarming issues. Alarms believed to be intermittent due to the preceding pump control panel failure. As a result of the failing pump control panel, high level did not alarm out and a bypass went undetected. The event lasted 25 days with an overflow volume of 13,800 m ³ . Pump started making noise, alerting operator to check pumps. Pumps were plugged with unflushable waste and one pump was sent off for a rebuild.

Incident	451 Bissett Street Pump Station Spill
Date	August 20, 2025
Details	Operators pulled the pumps. Pump #1 was clogged with unflushable waste which sheared the shaft at the impeller. Pump #2 motor separated from the volute. It was also clogged. The pumps are 34 years old. Operators assembled the best parts of the two pumps into one. They inserted Pump #2 into the volute of Pump #1. This became Pump #2. It was tested, deemed operational and placed back into service. The station was successfully pumped down and the bypass was terminated. Xylem installed a loaner Pump #1. Xylem also removed the failed pump parts to assess for possible rebuild or replacement.

Incident	451 Bissett Street Pump Station Spill
Date	September 13, 2025

Details	Mechanical failure of backup generator caused The station to overflow into the river when hydro power was off. Approximate volume released 40 m3.
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HEALTH AND SAFETY

- Staff training completed on FEB Binder Review
- Staff training completed on Introduction OK Alone
- Staff training completed on OCWA's STOP Program

MATTAWA DRINKING WATER SYSTEM PERFORMANCE

See Appendix E – Performance Assessment Report Water

MATTAWA WASTEWATER TREATMENT LAGOON – WASTEWATER FLOW SUMMARY

See Appendix E – Performance Assessment Report Wastewater



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MATTAWA WATER & WASTEWATER SYSTEMS QUARTERLY OPERATIONS REPORT

Appendix A - Work Order Summary for WTP

Workorder Summary Report

Report Start Date: Jul 1, 2025 12:00 AM

Report End Date: Sep 30, 2025 11:59 PM

Location: 1541*

Work Order Type: CAP,CORR,OPER,PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4645435			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	7/2/25 12:00 AM	10/29/25 03:02 PM	10/29/25 03:02 PM	Alarm Dialer Route (1m) - 1541 -Alarm dialers used multiple times over the month for various alarms. all ok, no issues at this time
4645480			1541, Mattawa Wastewater System	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	7/2/25 12:00 AM	10/31/25 11:16 AM	10/31/25 11:16 AM	Health And Safety Inspection (1m) 1541 -Checked all extinguishers, first aid kits, emergency exits and signs, all OK
4649201			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	7/2/25 12:00 AM	10/31/25 11:17 AM	10/31/25 11:17 AM	Pump Submersible Group Inspection (1m) 1541 -All pumps checked weekly, any issues arising have been dealt with, no concerns at this time
4659577			1541, Mattawa Wastewater System	OPER	Compliance	0		Alum Order - 1541	CLOSE		7/23/25 11:38 AM	7/23/25 11:38 AM	Alum Order Details - KEMIRA ALS BULK 25,130.000 KG 478.0000 CAD/TO CAD 12,012.14 CN code: 2833220000 Net weight: 25,130.000 KG 55,402.212 LB Gross weight: 25,130.000 KG 55,402.212 LB Delivery no / Date:86504024 / 07/09/2025 UN3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Aluminium sulphate), 8, PGIII, RQ Country of Origin: CA 25,130.000 KG
4660454			1541, Mattawa Wastewater System	CAP	Refurbish/ Replace/Repair	0		300 Mattawan Station: Temporary Pump Control Panel Installation	COMP		9/23/25 10:59 AM	9/23/25 10:59 AM	Temporary Pump Control Panel Installation -Temporary Pump Control Panel Installation
4662332	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	7/16/25 12:00 AM	10/29/25 03:06 PM	10/29/25 03:06 PM	Tank Alum Inspection (1m) - 1541 -Alum tank inspection completed during daily rounds. At this time, there is no issues of cracks or defects.

Workorder Summary Report

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WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4686131			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	8/1/25 12:00 AM	10/31/25 10:56 AM	10/31/25 10:56 AM	Alarm Dialer Route (1m) - 1541 -Alarm dialers used throughout the month for various alarms, all working OK at this time
4686138			1541, Mattawa Wastewater System	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	8/1/25 12:00 AM	10/31/25 10:57 AM	10/31/25 10:57 AM	Health And Safety Inspection (1m) 1541 -Safety checks done, looked for debris or items on the floors in walkways. walkways all clear
4689499			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	8/1/25 12:00 AM	10/31/25 11:09 AM	10/31/25 11:09 AM	Pump Submersible Group Inspection (1m) 1541 -All pumps, wetwells, panels checked. no panel issues idenetified. Pump isuses that arrise have been dealt with.
4709681	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	8/16/25 12:00 AM	10/31/25 11:08 AM	10/31/25 11:08 AM	Tank Alum Inspection (1m) - 1541 -Alum tank inspected weekly during rounds. no signs of defects or issues found at this time.
4736178			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	9/1/25 12:00 AM	10/31/25 11:04 AM	10/31/25 11:04 AM	Alarm Dialer Route (1m) - 1541 -Alarm dialers alarmed out for various alarms over the month, no issues with alarming at this time
4736185			1541, Mattawa Wastewater System	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	9/1/25 12:00 AM	10/31/25 03:12 PM	10/31/25 03:12 PM	Health And Safety Inspection (1m) 1541 -Checked fire extinguishers, first aid kit, eye wash stations. all ok
4740060			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	9/1/25 12:00 AM	10/31/25 03:15 PM	10/31/25 03:15 PM	Pump Submersible Group Inspection (1m) 1541 -Pumps, panels, wetwells all checked weekly, currently no issues with any. Mattawan still running on temp panel and 1 pump.
4761419	0000328874	GENERATOR ELECTRIC DIESEL BACKUP POWER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	9/13/25 12:00 AM	10/31/25 02:55 PM	10/31/25 02:55 PM	Generator Monthly Test (1m) 1541 -Generator ran during power outage conditions. transfered and ran as it should no issues found
4761422	0000328842	GENERATOR ELECTRIC DIESEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	9/13/25 12:00 AM	10/31/25 02:56 PM	10/31/25 02:56 PM	Generator Monthly Test (1m) 1541 -Generator ran under power outage conditions, ran ok, transfered on and off as it should no issues at this time

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Work Order Type: CAP,CORR,OPER,PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4761425	0000328901	GENERATOR ELECTRIC DIESEL	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	9/13/25 12:00 AM	10/31/25 02:57 PM	10/31/25 02:57 PM	Generator Monthly Test (1m) 1541 -Generator ran under no power conditions, ran and transferred all ok
4762248	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	9/16/25 12:00 AM	10/31/25 02:47 PM	10/31/25 02:47 PM	Tank Alum Inspection (1m) - 1541 -Checked alum tank for cracks, breaks, defects. nothing found, all ok at this time
4763350			1541, Mattawa Wastewater System	OPER	Compliance	0		Mattawa sewage Overtime for Planned outage	COMP		9/22/25 07:42 AM	9/22/25 08:00 AM	Mattawa sewage Overtime for Planned outage - September 20th 2025 Pumped down all lift stations before the planned outage in Mattawa. Made sure all generators had fuel, and didn't have any alarms before hand. After the power was back, checked on lift stations again, to make sure generators have shutoff and pumps were still operator as they should. Kyle Michaud
4763408			1541, Mattawa Wastewater System	CAP	Predictive Maintenance	0		Mattawa Sewage Pump Stations: Wet Well Cleaning	COMP		10/20/25 04:03 PM	10/20/25 04:03 PM	



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MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix B - Work Order Summary for WWTL

Workorder Summary Report

Report Start Date: Jul 1, 2025 12:00 AM

Report End Date: Sep 30, 2025 11:59 PM

Location: 1517*

Work Order Type: CAP,CORR,OPER,PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4644892	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	7/2/25 12:00 AM	10/29/25 02:54 PM	10/29/25 02:54 PM	Generator Monthly Test (1m) 1517 -Generator ran during power outage conditions. all ran OK
4644909			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	CLOSE	7/2/25 12:00 AM	7/30/25 09:55 AM	7/30/25 09:55 AM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 -Completed UV 1 reference sensor check. Using Reference sensor 1. UV passed
4644928			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	7/2/25 12:00 AM	10/29/25 02:56 PM	10/29/25 02:56 PM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 -UV check completed july 31/25, passed no issues found
4645169			1517, Mattawa DWS	PM	Inspection	3	MONTHS	Replace UV Air Filters 1517	COMP	7/2/25 12:00 AM	10/29/25 03:03 PM	10/29/25 03:03 PM	Replace UV Air Filters 1517 -Replaced uv air filters on Uv o1 on july 30 and uv 2 on july 31 during reference checks.
4645186	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	7/2/25 12:00 AM	10/29/25 02:58 PM	10/29/25 02:58 PM	UVT Analyzer calibration to yellow box (1m) 1517 -Optiview checked weekly against handheld weekly, all ok at this time, no issues
4645276			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Critical Alarm Dialer Route (1m) - 1517	COMP	7/2/25 12:00 AM	10/29/25 02:59 PM	10/29/25 02:59 PM	Critical Alarm Dialer Route (1m) - 1517 -Alarm dialer working as it should, multiple alarms over the month, no issues found
4645287			1517, Mattawa DWS	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	7/2/25 12:00 AM	10/29/25 03:00 PM	10/29/25 03:00 PM	Health And Safety Inspection (1m) 1517 -Checked fire extinguishers and first aid kits, all ok
4645314	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	7/2/25 12:00 AM	10/29/25 03:01 PM	10/29/25 03:01 PM	Valve Regulating Inspection (1m) 1517 -Visual inspection of valves completed during daily rounds, no issues or defects seen at this time.
4645930			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	7/2/25 12:00 AM	10/31/25 03:00 PM	10/31/25 03:00 PM	Analyzer Chlorine Inspection/ Service (1m) 1517 -Chlorine analyzer compared to handheld weekly and is adjusted as needed.

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Work Order Type: CAP,CORR,OPER,PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4685995	0000349414	ANALYZER	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	3	MONTHS	UV Transmitter Optiview Calibration (3m) 1517	COMP	8/1/25 12:00 AM	10/31/25 03:07 PM	10/31/25 03:07 PM	UV Transmitter Optiview Calibration (3m) 1517 -optiview checked against handheld weekly during samples. all ok at this time, within specs
4686006	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	8/1/25 12:00 AM	10/31/25 11:17 AM	10/31/25 11:17 AM	Generator Monthly Test (1m) 1517 -Generator ran during power outage, all running ok at this time
4686009			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	8/1/25 12:00 AM	10/31/25 11:18 AM	10/31/25 11:18 AM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 -UV reference check completed aug 28/25 using reference sensor #2, passed
4686012			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	8/1/25 12:00 AM	10/31/25 03:09 PM	10/31/25 03:09 PM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 -UV reference check completed aug 31/25, passed all ok
4686080	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	8/1/25 12:00 AM	10/31/25 03:09 PM	10/31/25 03:09 PM	
4686102			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Critical Alarm Dialer Route (1m) - 1517	COMP	8/1/25 12:00 AM	10/31/25 03:10 PM	10/31/25 03:10 PM	
4686109			1517, Mattawa DWS	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	8/1/25 12:00 AM	10/31/25 02:46 PM	10/31/25 02:46 PM	Health And Safety Inspection (1m) 1517 - Health and safety inspection completed, no issues found, checked fire extinguishers, first aid kits and emergency exits, all ok
4686120	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	8/1/25 12:00 AM	10/31/25 11:11 AM	10/31/25 11:11 AM	Valve Regulating Inspection (1m) 1517 -Valve inspected visually. operated during august by hand, all operated and retruned to home position all ok
4686194			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	8/1/25 12:00 AM	10/31/25 10:58 AM	10/31/25 10:58 AM	Analyzer Chlorine Inspection/ Service (1m) 1517 -Chlorine analyzers checked against hanheld multiple times weekly, adjustments as needed. all ok at this time

Workorder Summary Report

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Report End Date: Sep 30, 2025 11:59 PM

Location: 1517*

Work Order Type: CAP,CORR,OPER,PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4692995	0000349401	PUMP DIAPHRAGM 03 SODIUM HYPOCHLORITE	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Diaphragm Inspection (1y) 1517	COMP	8/1/25 12:00 AM	10/31/25 03:11 PM	10/31/25 03:11 PM	Pump Diaphragm Inspection (1y) 1517 -Visual inspection of chemical pumps completed during daily rounds, issues addressed as they arise. currently no issues found
4710470			1517, Mattawa DWS	OPER	Compliance	0		Mattawa DWQMS Surveillance 2 Audit	COMP		8/20/25 11:16 AM	8/20/25 11:16 AM	DWQMS Surveillance 2 Audit - ACTY-2023-643458 - DRINKING WATER QUALITY MANAGEMENT STANDARD VERSION 2 - 2017 (Surveillance 2) / Janine deBoer / 06June2025 / Onsite: 0.50days & Offsite: 0.25days
4736066	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	9/1/25 12:00 AM	10/31/25 11:01 AM	10/31/25 11:01 AM	Generator Monthly Test (1m) 1517 -Generator had a battery issue.Vals onsite, reapalced batteries and charger. all working as it should now. JD
4736069			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	9/1/25 12:00 AM	10/31/25 02:43 PM	10/31/25 02:43 PM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 -UV reference check for uv 1 completed september 29/25. passed
4736072			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	BUSCOMP	9/1/25 12:00 AM	10/31/25 02:44 PM	10/31/25 02:44 PM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 -Uv reference check uv 2 completed september 30/25, passed, no issues found
4736128	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	9/1/25 12:00 AM	10/31/25 11:02 AM	10/31/25 11:02 AM	UVT Analyzer calibration to yellow box (1m) 1517 -Opitview compared against handheld during weekly samples. no issues found, optiview within specs
4736149			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Critical Alarm Dialer Route (1m) - 1517	COMP	9/1/25 12:00 AM	10/31/25 11:06 AM	10/31/25 11:06 AM	Critical Alarm Dialer Route (1m) - 1517 -Critical alarm points were hit during the month, all alarmed out as normal. no issues with alarming at this time

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Report End Date: Sep 30, 2025 11:59 PM

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Work Order Class:

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WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4736156			1517, Mattawa DWS	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	9/1/25 12:00 AM	10/31/25 11:05 AM	10/31/25 11:05 AM	Health And Safety Inspection (1m) 1517 -Checked all extinguishers, first aid kits, emergency exits signs, all ok
4736167	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	9/1/25 12:00 AM	10/31/25 11:03 AM	10/31/25 11:03 AM	Valve Regulating Inspection (1m) 1517 -Visual inspection of valving and piping completed during daily rounds. no defects or issues identified at this time
4736252			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	9/1/25 12:00 AM	10/31/25 03:13 PM	10/31/25 03:13 PM	Analyzer Chlorine Inspection/ Service (1m) 1517 -Analyzer compared to the handheld. within specs,
4762323	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	CORR	Refurbish/ Replace/Repair	0		Mattawa Generator Batteries and 24V Charger Replacement	COMP		9/16/25 10:33 AM	9/16/25 10:33 AM	Batteries and 24V Charger Replacement -Generator failed to start during power outage Sep 13/14, 2025. Batteries failed. Replaced Sep 15. Existing chargers were small 1.5 amp trickle chargers deemed not rated for the large batteries. a 24V Vulcan charger was installed. Generator was tested and placed back into service.



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Northeastern Ontario Region

MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix C - Call-out Report for WTP

Workorder Summary Report

Report Start Date: Jul 1, 2025 12:00 AM

Report End Date: Sep 30, 2025 11:59 PM

Location: 1541*

Work Order Type: CALL,EMER

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4663049			1541, Mattawa Wastewater System	CALL	Compliance	0		Louis street high level alarm	CLOSE		7/20/25 10:35 PM	7/20/25 11:50 PM	Louis street high level alarm - July 20th 2025 22:30 called in for high level for Louis street lift station. 22:35 arrived on site. switched to pump2 in auto, level wasn't coming down right away. 23:40 ground alarm flashing, called hydro one to see if issues with power on site. 23:50 Hydro one called back saying no issues on their end with power. Left pump 2 running in auto maintaining at high level float. Informed ORO and OIC tomorrow by text for Louis street lift station. Kyle Michaud
4710070			1541, Mattawa Wastewater System	CALL	Compliance	0		451 bissett high level alarm	COMP		8/16/25 12:55 PM	8/16/25 04:45 PM	451 bissett high level alarm - August 16th 2025 Called in for high level at 451 bissett street liftstation. surge of flow, both pumps were running well, just had to wait it out, and monitor it closely, once the surge ended, was able to clear the alarms till the next surge. Kyle Michaud
4710073			1541, Mattawa Wastewater System	CALL	Compliance	0		451 bissett high level alarm	COMP		8/16/25 07:55 PM	8/16/25 11:25 PM	451 bissett high level alarm - August 16th 2025 Called in for high level at 451 bissett street liftstation. surge of flow, both pumps were running well, just had to wait it out, and monitor it closely, once the surge ended, was able to clear the alarms till the next surge. Kyle Michaud

Workorder Summary Report

Report Start Date: Jul 1, 2025 12:00 AM

Report End Date: Sep 30, 2025 11:59 PM

Location: 1541*

Work Order Type: CALL,EMER

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4710077			1541, Mattawa Wastewater System	CALL	Compliance	0		451 bissett high level alarm	COMP		8/17/25 11:20 AM	8/17/25 03:15 PM	451 bissett high level alarm - August 17th 2025 Called in for 451 bissett street liftstation high level alarm, both pumps running level at 1.7m and rising a little bit from surge of flow. but far from overflow, monitoring closely. Kyle Michaud
4710080			1541, Mattawa Wastewater System	CALL	Compliance	0		451 bissett high level alarm	COMP		8/17/25 05:35 PM	8/17/25 09:30 PM	451 bissett high level alarm - August 17th 2025 Called in for high level alarm at 451 Bissett street lift station, both pumps running well, maintaining at 1.7m, unable to clear alarm just yet, monitoring level closely. Kyle Michaud
4711423			1541, Mattawa Wastewater System	CALL	Inspection	0		451 Bissett high level	COMP		8/18/25 05:15 PM	8/18/25 07:45 PM	451 Bissett high level - Call for high level at 451 Bissette. Arrived on site, both pumps running and maintaining level around 2.2m. Checked on Mattawan station, cycling consistently on pump#1. 451 Bissette level hovering between 1.9m and 2.3m
4711425			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		451 Bissett pump failure	COMP		8/20/25 04:15 PM	8/20/25 08:45 PM	451 Bissett pump failure - Called in to assist Josh D with pump station. Found p1 to have broken the main shaft and impeller off. P2 has the motor and volute separated from one another. volute still in the bottom of the wet well. Inserted p2 into volute #1, and installed into p1 place. Station is operating and pumping down. P1 is out of commission due to broken shaft.

Workorder Summary Report

Report Start Date: Jul 1, 2025 12:00 AM

Report End Date: Sep 30, 2025 11:59 PM

Location: 1541*

Work Order Type: CALL,EMER

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4759438			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		High Level Alarm @ 300 Mattawan	COMP		8/25/25 05:15 PM	9/4/25 06:17 AM	300 Mattawamn High Level -Onsite for high level alarm. Found station in high level but not above grating or overflow. Pump overload was tripped. Reset overload and pump is running ok once again in auto.
4762237			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		Power Failure - Genset did not run due to Charging System Failure	COMP		9/13/25 11:15 PM	9/14/25 04:00 AM	Loss of power - Genset did not run - Planned power outage from 2300 last night until 0200 this morning. Power actually restored at 0133. Received several calls for alarms related to power outage, followed by high level at 451 Bissette and then an overflow alarm at 23:48. On site generator did not start. Attempt serval times to run generator in hand/auto but immediately went into over voltage. Turned power off to pump at 451 bissett thinking that its causing over voltage, but didn't work. Overflow lasted for 1 hour 45 minutes. Samples were taken during spill and after. SAC and health unit have been called. Val's equipment was called, will arrive on site Monday morning.

Workorder Summary Report

Report Start Date: Jul 1, 2025 12:00 AM

Report End Date: Sep 30, 2025 11:59 PM

Location: 1541*

Work Order Type: CALL,EMER

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4763338			1541, Mattawa Wastewater System	CALL	Compliance	0		Brooke street / 101 bissett st liftstation	COMP		9/21/25 09:30 AM	9/21/25 10:00 AM	Brooke street / 101 bissett st liftstation - September 21st 2025 Called in for 2 separate issues, There was a low battery alarm at 101 bissett st, which I arrived on site and tested the pump which worked good. Then contacted the ORO and he knew about the issue and will resolve soon. Called in for Brooke street lift station for a supervisory alarm, I arrived on site tested both pumps in hand and auto, both worked great. hit the reset alarm button and alarm seemed to go away. Informed ORO about issue there as well. He will look into it. Kyle Michaud



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Northeastern Ontario Region

MATTAWA WATER & WASTEWATER SYSTEMS QUARTERLY OPERATIONS REPORT

Appendix D – Call-out Report for WWTL

Workorder Summary Report

Report Start Date: Jul 1, 2025 12:00 AM

Report End Date: Sep 30, 2025 11:59 PM

Location: 1517*

Work Order Type: CALL,EMER

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4660264			1517, Mattawa DWS	CALL	Compliance	0		400 Bissett St Low Chlorine Alarm	CLOSE		7/3/25 12:10 AM	7/3/25 12:30 AM	400 Bissett St Low Chlorine Alarm - July 3rd 2025 Called in Low chlorine on POE analyzer. Confirmed analyzer reading right. Pump Chlorine manually in the line. Confirmed chlorine value again with handheld. started WTP with no issues. Kyle Michaud
4660266			1517, Mattawa DWS	CALL	Compliance	0		400 Bissett St Low Chlorine Alarm	CLOSE		7/4/25 05:50 AM	7/4/25 06:10 AM	400 Bissett St Low Chlorine Alarm - July 4th 2025 Called In, Onsite and both chlorine analyzers were low. confirmed they were readings right. Flushed both analyzers and pump chlorine manually into POE water line. Confirmed both analyzer reading right with handheld. received low reservoir level when i was there. Started WTP with no issues, waited until low reservoir alarm cleared. Kyle Michaud

Workorder Summary Report

Report Start Date: Jul 1, 2025 12:00 AM

Report End Date: Sep 30, 2025 11:59 PM

Location: 1517*

Work Order Type: CALL,EMER

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4662410			1517, Mattawa DWS	CALL	Compliance	0		400 bissett Generator running alarm	CLOSE		7/14/25 04:15 PM	7/14/25 06:15 PM	400 bissett Generator running alarm - July 14th 2025 1615: arrived at the site and noticed generator running. the rest of town had power, so tried shutting it down and everything went black turn it back on, and investigated issue outside. Found a cable off of one of the transformers hanging. Called Hydro one and explained to them the issue. Kyle Michaud
4662414			1517, Mattawa DWS	CALL	Compliance	0		400 bissett Met Hydro one crew	CLOSE		7/14/25 09:45 PM	7/14/25 10:10 PM	400 bissett Met Hydro one crew - July 14th 2025 21:45 Arrived on site and met the Hydro one crew, and showed them the issue, they explained to me that it was a blown transformer and they do not have the parts on them to fix it now. They will be back in the morning or afternoon. 22:00 measure the fuel tank to make sure we had enough fuel for the generator to run another full day if needed. Kyle Michaud

Workorder Summary Report

Report Start Date: Jul 1, 2025 12:00 AM

Report End Date: Sep 30, 2025 11:59 PM

Location: 1517*

Work Order Type: CALL,EMER

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4662419			1517, Mattawa DWS	CALL	Compliance	0		400 bissett communication Fail	CLOSE		7/15/25 06:00 PM	7/15/25 06:30 PM	400 bissett communication Fail - July 15th 2025 18:00 arrive on site for call in communication fail, communication restore itself, but found the building in high temperature alarm due to generator running for 20 hours straight. also surge power alarm beeping, the temperature alarm would clear overnight once it cools down. everything running smoothly for the wtp. Kyle Michaud
4662408			1517, Mattawa DWS	CALL	Inspection	0		Low chlorine	CLOSE		7/12/25 02:15 PM	7/12/25 02:45 PM	Low chlorine lockout -Received low chlorine alarm. Logged in remote remotely found plant off on low low chlorine, but has since risen. Acknowledge alarm, clear faults and plant started up automatically. Monitored process looks fine.
4662411			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Low chlorine	CLOSE		7/12/25 10:30 PM	7/13/25 01:00 AM	Low chlorine - Received call for low chlorine again. Arrived on site, plant turned off on low low chlorine. Flushed distribution chlorine analyzer and turned down flow going into floor drain. Compared reading with handheld readings. Adjusted chlorine analyzer from 0.60 mg/L to 0.81 mg/L. New slope 87.8%. Verified POE chlorine analyzer reading correctly. Stared plant and inspected process

Workorder Summary Report

Report Start Date: Jul 1, 2025 12:00 AM

Report End Date: Sep 30, 2025 11:59 PM

Location: 1517*

Work Order Type: CALL,EMER

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4665173			1517, Mattawa DWS	CALL	Compliance	0		Low POE Chlorine-1517	CLOSE		7/25/25 01:00 AM	7/25/25 02:00 AM	Low POE Chlorine-1517 -Called for low Poe chlorine. Arrived onsite. Plant running. Reviewed trending, found the chlorine dipped but bounced back. Plant running on p2. No records of chlorine alarms on SCADA computer. All ok, no issues.
4708011			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Comm loss alarm	COMP		8/4/25 04:30 AM	8/4/25 07:00 AM	Comm loss alarm -Alarm for reservoir comm loss. Arrived on site and reset modems. Readings came back. Process and chlorine levels look fine. Reviewed trends
4709487			1517, Mattawa DWS	CALL	Compliance	0		400 Bissett St Low Chlorine Alarm	COMP		8/11/25 10:15 PM	8/11/25 10:30 PM	400 Bissett St Low Chlorine Alarm - August 11th 2025 Called in for low chlorine alarm, POE analyzer was reading 0.38mg/l and i got 0.35mg/l with handheld. Distribution analyzer was reading 0.44mg/l and handheld was 0.46mg/l. Chlorine pump 2 failed and was in alarm. reset the alarm. started WTP back up with pump 1 as lead. Kyle Michaud

Workorder Summary Report

Report Start Date: Jul 1, 2025 12:00 AM

Report End Date: Sep 30, 2025 11:59 PM

Location: 1517*

Work Order Type: CALL,EMER

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4709493			1517, Mattawa DWS	CALL	Compliance	0		400 Bissett St Low Chlorine Alarm	COMP		8/12/25 04:40 AM	8/12/25 04:50 AM	400 Bissett St Low Chlorine Alarm - August 12th 2025 Called in for Low POE chlorine alarm, arrived on site and it was up to 0.56mg/l and i got 0.57mg/l on handheld. Plant was already running, so I increased chlorine pump factor from 1.75 to 1.8 for Well 1. and increased from 2.00 to 2.10 for Well 2. I am thinking the chlorine batch was made a little to weak, so kept hitting below the threshold. Kyle Michaud
4709499			1517, Mattawa DWS	CALL	Compliance	0		400 bissett communication Fail	COMP		8/13/25 09:40 PM	8/13/25 10:00 PM	400 bissett communication Fail - August 13th 2025 Called in for Reservoir communication failure, arrived on site and reservoir level was frozen at 1.75m, reset modem and internet, after a few minutes the communication came back. Reservoir was now reading 2.03m. Everything else in the plant was running good. Pump1 was lead. Kyle Michaud

Workorder Summary Report

Report Start Date: Jul 1, 2025 12:00 AM

Report End Date: Sep 30, 2025 11:59 PM

Location: 1517*

Work Order Type: CALL,EMER

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4709744			1517, Mattawa DWS	CALL	Compliance	0		400 Bissett St Low Chlorine Alarm	COMP		8/16/25 05:10 AM	8/16/25 05:40 AM	400 Bissett St Low Chlorine Alarm -August 16th 2025 400 Bissett St Low Chlorine Alarm - August 16th 2025 Called in for PLC fail alarm, arrived and both chlorine analyzers were reading low, compared values with handheld unit and both were reading correctly. flushed both analyzers for fresh water and manually pumped chlorine in POE line. once chlorine was restored compared analyzers again with handheld unit and started water plant back up. Kyle Michaud
4710065			1517, Mattawa DWS	CALL	Compliance	0		400 Bissett St Low Chlorine Alarm	COMP		8/16/25 12:05 PM	8/16/25 12:15 PM	400 Bissett St Low Chlorine Alarm - August 16th 2025 Called In for PLC fail, both chlorine analyzers were reading low again, compared them to handheld unit and they were reading right. flushed both analyzers, and pumped all the air out of the chlorine pumps. double checked the analyzers again and started the wtp. Kyle Michaud
4710082			1517, Mattawa DWS	CALL	Compliance	0		400 bissett communication Fail	COMP		8/18/25 03:55 AM	8/18/25 04:05 AM	400 bissett communication Fail - August 18th 2025 Called in for comm fail to reservoir, arrived and wtp was running, reset modem and internet for communication, and took 5 mins but it restored right away. Kyle Michaud

Workorder Summary Report

Report Start Date: Jul 1, 2025 12:00 AM

Report End Date: Sep 30, 2025 11:59 PM

Location: 1517*

Work Order Type: CALL,EMER

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4710718			1517, Mattawa DWS	CALL	SCADA	0		SCADA	COMP		8/7/25 01:45 AM	8/22/25 01:22 PM	Comm loss-1517 -
4710721			1517, Mattawa DWS	CALL	Compliance	0		Low Chlorine alarm-1517	COMP		8/9/25 06:15 PM	8/22/25 01:25 PM	low chlorine alarm - 18:
4710722			1517, Mattawa DWS	CALL	SCADA	0		Comm Loss 1517	COMP		8/10/25 02:00 AM	8/22/25 01:29 PM	Comm loss 1517 -
4711424			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		communication loss to reservoir	COMP		8/23/25 10:15 AM	8/23/25 02:45 PM	communication loss to reservoir -Received call for loss of communication to reservoir. Switched duty to well #2. Arrived on site and reset modem. Level reading came back. Lost reading again after left facility. Came back and unplugged all devices. Level sensor came back. Monitored for 30 minutes, seems to be fine.
4760328			1517, Mattawa DWS	CALL	Compliance	0		400 Bissett St Low Chlorine Alarm	COMP		9/2/25 02:50 AM	9/2/25 03:10 AM	400 Bissett St Low Chlorine Alarm - September 2nd 2025 Called in for Low chlorine on both analyzers. Confirmed both analyzers were reading correctly with handheld unit. started flushing both analyzers and started manually pumping into POE line. Confirmed both analyzers were reading correctly with handheld unit. Cleared both alarms and started WTP back up. Kyle Michaud

Workorder Summary Report

Report Start Date: Jul 1, 2025 12:00 AM

Report End Date: Sep 30, 2025 11:59 PM

Location: 1517*

Work Order Type: CALL,EMER

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4760329			1517, Mattawa DWS	CALL	Compliance	0		UV1 valve fail to close 400 bissett	COMP		9/3/25 02:30 AM	9/3/25 02:45 AM	UV1 valve fail to close 400 bissett - September 3rd 2025 Called in for UV1 fail, arrived on site and noticed Uv1 valve fail to close alarm. put valve into manual and closed valve and opened it a few times, put it back in auto and cleared alarm. Reservoir was full so no need to start WTP. Kyle Michaud
4759439			1517, Mattawa DWS	CALL	SCADA	0		Comm loss- 1517	COMP		8/30/25 08:00 PM	9/4/25 06:20 AM	Comm loss -
4760334			1517, Mattawa DWS	CALL	Compliance	0		UV1 fail 400 bissett	COMP		9/4/25 10:10 PM	9/4/25 10:30 PM	Uv1 fail 400 bissett - September 4th 2025 Called in for Uv1 fail alarm, arrived on site and UV1 valve failed to close when plant shutdown. Put it in manual and opened and closed it a few times. cleared alarms and put it back in auto. Reservoir was full so no need to start WTP. Kyle Michaud

Workorder Summary Report

Report Start Date: Jul 1, 2025 12:00 AM

Report End Date: Sep 30, 2025 11:59 PM

Location: 1517*

Work Order Type: CALL,EMER

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4762813			1517, Mattawa DWS	CALL	Compliance	0		400 bissett communication Fail	COMP		9/18/25 05:10 PM	9/18/25 05:30 PM	400 bissett communication Fail - September 18th 2025 Called in for PLC fail, arrived on site and the communication was down to reservoir reading 2.60m. I reset the modem with power bar a couple times. Communication restored after a few mins. Reservoir was at 2.96m after restoral. Kyle Michaud
4763337			1517, Mattawa DWS	CALL	Compliance	0		400 bissett Generator running alarm	COMP		9/20/25 11:01 PM	9/21/25 03:00 AM	400 bissett Generator running alarm - September 20th 2025 Called in due to Planned power outage, made sure diesel generator started which it did. WTP was down do to reservoir level, but decided to start it a bit later on incase the power outage lasted longer than expected. it started up without any issues. Checked on all lift station generators as well. everything started as planned. Kyle Michaud



Ontario Clean Water Agency
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MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix E - Performance Assessment Report Water

1517 MATTAWA DRINKING WATER SYSTEM 210001905

	7 / 2025	8 / 2025	9 / 2025	<--Total-->	<--Avg-->	<--Max-->	<--Min-->
Flows							
Raw Flow: Monthly Total - RW1 - Well #1 (m³)	52,665.48	59,418.76	49,073.01	161,157.25			
Raw Flow: Monthly Total - RW2 - Well #2 (m³)	6,960.18	1,715.55	2,794.76	11,470.49			
Raw Flow: Monthly Avg - RW1 - Well #1 (m³)	1,698.89	1,916.73	1,635.77		1,750.46		
Raw Flow: Monthly Avg - RW2 - Well #2 (m³)	224.52	55.34	93.16		124.34		
Raw Flow: Monthly Max - RW1 - Well #1 (m³)	2,038.13	2,433.81	2,003.11			2,433.814	
Raw Flow: Monthly Max - RW2 - Well #2 (m³)	742.04	339.59	448.77			742.040	
Raw Flow: Monthly Total - RWT - Raw Water - Total (m³)	59,625.66	61,134.31	51,867.78	172,627.75			
Raw Flow: Monthly Avg - RWT - Raw Water - Total (m³)	1,923.41	1,972.07	1,728.93		1,874.80		
Raw Flow: Monthly Max - RWT - Raw Water - Total (m³)	2,293.71	2,433.81	2,056.27			2,433.814	
Turbidity							
Raw: Max Turbidity - RW1 - Well #1 (NTU)	0.280	0.250	0.280			0.280	
Raw: Max Turbidity - RW2 - Well #2 (NTU)	0.260	0.300	0.270			0.300	
Chemical Parameters							
Treated: Max Nitrite - TW - TW (mg/L)	< 0.003				<	< 0.003	<
Treated: Max Nitrate - TW - TW (mg/L)	1.520					1.520	
Distribution: Max THM - DW - DW (µg/l)	4.400					4.400	
Distribution: Max HAA - DW - DW (µg/l)	< 5.300				<	< 5.300	<
Chlorine Residuals							
Treated: Min Free Cl2 Resid - TW - TW (mg/L)	0.080	0.051	0.051				0.051
Treated: Max Free Cl2 Resid - TW - TW (mg/L)			1.939			1.939	
Dist: Min Free Cl2 Resid - DW - DW (mg/L)	0.410	0.580	0.590				0.135
Dist: Max Free Cl2 Resid - DW - DW (mg/L)	1.580	1.440	1.992			1.992	
Bacti Samples Collected							
Raw Bacti: # of samples - RW1 - Well #1	5	4	4	13			
Raw Bacti: # of samples - RW2 - Well #2	5	4	4	13			
Treated Bacti: # of samples - TW - TW	5	4	4	13			
Dist Bacti: # of samples - DW - DW	15	12	12	39			
Dist HPC: # of samples - DW - DW	5	4	4	13			
Treated Bacti: # of TC exceedances - TW - TW	0	0	0	0			
Treated Bacti: # of EC exceedances - TW - TW	0	0	0	0			
Dist Bacti: # of TC exceedances - DW - DW	0	0	0	0			
Dist Bacti: # of EC exceedances - DW - DW	0	0	0	0			

Appendix F - Performance Assessment Report Wastewater

1541 MATTAWA WASTEWATER TREATMENT FACILITY 110000436

	7 / 2025	8 / 2025	9 / 2025	<--Total-->	<--Avg-->	<--Max-->
Flows						
Raw Flow: Total - Raw m³/d	18,536.57	10,085.95	17,377.70	46,000.21		
Raw Flow: Avg - Raw m³/d	597.95	325.35	579.26		500.00	
Raw Flow: Max - Raw m³/d	1,071.11	622.10	703.94			1,071.11
Raw Flow: Count - Raw m³/d	31.00	31.00	30.00	92.00		
Eff. Flow: Total - Eff m³/d	18,536.57	10,085.95	17,377.70	46,000.21		
Eff. Flow: Avg - Eff m³/d	597.95	325.35	579.26		500.00	
Eff. Flow: Max - Eff m³/d	1,071.11	622.10	703.94			1,071.11
Eff Flow: Count - Eff m³/d	31.00	31.00	30.00	92.00		
Carbonaceous Biochemical Oxygen Demand: CBOD						
Eff: Avg cBOD5 - Eff mg/L	2.00	0.00	5.00		3.50	5.00
Eff: # of samples of cBOD5 - Eff	1.00	0.00	1.00	2.00		
Loading: cBOD5 - Eff kg/d	1.196	0.000	2.896		1.75	2.90
Biochemical Oxygen Demand: BOD5						
Raw: Avg BOD5 - Raw mg/L	180.00	0.00	176.00		178.00	180.00
Raw: # of samples of BOD5 - Raw	1.00	0.00	1.00	2.00		
Eff: Avg BOD5 - Eff mg/L	4.00	0.00	7.00		5.50	7.00
Eff: # of samples of BOD5 - Eff	1.00	0.00	1.00	2.00		
Loading: BOD5 - Eff kg/d	2.392	0.000	4.055		2.75	4.05
Percent Removal: BOD5 - Raw %	0.00	0.00	0.00		0.00	
Total Suspended Solids: TSS						
Raw: Avg TSS - Raw mg/L	146.00	0.00	172.00		159.00	172.00
Raw: # of samples of TSS - Raw	1.00	0.00	1.00	2.00		
Eff: Avg TSS - Eff mg/L	14.90	0.00	8.20		11.55	14.90
Eff: # of samples of TSS - Eff	1.00	0.00	1.00	2.00		
Loading: TSS - Eff kg/d	8.910	0.000	4.750		5.78	8.91
Percent Removal: TSS - Raw %	0.00	0.00	0.00		0.00	
Total Phosphorus: TP						
Raw: Avg TP - Raw mg/L	5.95	0.00	4.32		5.14	5.95
Raw: # of samples of TP - Raw	1.00	0.00	1.00	2.00		
Eff: Avg TP - Eff mg/L	0.89	0.85	0.37		0.63	0.89
Eff: # of samples of TP - Eff	4.00	1.00	5.00	10.00		
Loading: TP - Eff kg/d	0.532	0.277	0.213		0.31	0.53
Percent Removal: TP - Raw %	0.00	0.00	0.00		0.00	
Nitrogen Series						
Eff: Avg TAN - Eff mg/L	13.83	7.01	3.55		8.01	13.83
Eff: Avg NO3-N - Eff mg/L	0.12	0.00	0.32		0.22	0.32
Eff: # of samples of NO3-N - Eff	1.00	0.00	1.00	2.00		
Eff: Avg NO2-N - Eff mg/L	0.14	0.00	0.20		0.17	0.20
Eff: # of samples of NO2-N - Eff	1.00	0.00	1.00	2.00		