

SYSTEM OVERVIEW

January 1st to March 31st, 2025

OPERATIONAL HIGHLIGHTS

Drinking Water System

- The water treatment system operated well during the first quarter.
- Watermain break repair at 1040 Bissett.
- Watermain break at fire hall where a 10" valve broke.

Wastewater Treatment

- The wastewater treatment system performed well during the first quarter.
- Pump #2 at Makenzie street pump station was pulled to clear blockage
- Hydro One replaced the electrical supply service line, disconnect and meter base at Louis St sewage pump station.

CAPITAL PLAN PROGRESS

Drinking Water System

- Leak detection using correlator between 10th & 11th streets, and Bissett St.
- Plumbing leak sprayed water on the old alarm dialer requiring replacement with updated alarm system.

Wastewater Treatment System

- N/A

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 first quarter of 2025 and all results fell within regulatory limits.
- 2024 annual report completed January 31, 2025.
- Permit to take Water (PTTW) reporting completed March 28, 2025.
- Quarterly trihalomethanes (THM), haloacetic acids (HAA), Nitrate and Nitrite, sampling completed January 30, 2025.
- Ministry of the Environment Conservation and Parks (MECP) inspection completed on January 25, 2025, three non-compliance were identified and in progress to be resolved. Final inspection rating of 93.52%.
- Boil Water Advisory issued March 21 and rescinded March 25 for watermain break repair.
- No Ministry of Labour (MOL) inspections conducted this quarter.
- Flow meter verifications completed for the ultrasonic flow meter at water treatment plant.
- All required sewage samples required under the system's Environmental Compliance Approval (ECA) were collected and tested in the first quarter of 2025.
- 2024 annual sewage report completed March 20, 2025.
- Annual WSER reporting completed February 4, 2025.

INCIDENTS AND COMPLAINTS

Mattawa Drinking Water System

Incident	n/a
Date	
Details	

Mattawa Wastewater System

Incident	n/a
Date	
Details	

HEALTH AND SAFETY

- Staff training completed on WHMIS.
- Staff training completed on Hot Work Management.
- Staff training completed on Managing Oxygen Deficiency and Gas Hazards.

MATTAWA DRINKING WATER SYSTEM PERFORMANCE

See Appendix E – Performance Assessment Report Water

MATTAWA WASTEWATER TREATMENT LAGOON – WASTEWATER FLOW SUMMARY

See Appendix F – Performance Assessment Report Wastewater



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Northeastern Ontario Region

MATTAWA WATER & WASTEWATER SYSTEMS QUARTERLY OPERATIONS REPORT

Appendix A - Work Order Summary for WTP

Workorder Summary Report

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

Report End Date: Mar 31, 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
4308910	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	1/1/25 12:00 AM	4/9/25 03:37 PM	4/9/25 03:37 PM	Generator Monthly Test (1m) 1517 - Monthly generator test complete, all ok with generator
4308913			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	1/1/25 12:00 AM	4/9/25 03:38 PM	4/9/25 03:38 PM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 - UV reference sensor checks completed. Within specs, data recorded on tracking sheet.
4308916			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	1/1/25 12:00 AM	4/9/25 03:39 PM	4/9/25 03:39 PM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 - Both UV #2 reference sensors checked against master, all ok. Data recorded on tracking sheet
4308919	0000349404	ANALYZER UV REFERENCE #1	1517, Mattawa DWS	PM	Calibration	0		0000349404 ANALYZER UV REFERENCE #1	COMP	1/1/25 12:00 AM	4/9/25 03:39 PM	4/9/25 03:39 PM	
4308922	0000349405	ANALYZER UV REFERENCE #2	1517, Mattawa DWS	PM	Calibration	0		0000349405 ANALYZER UV REFERENCE #2	COMP	1/1/25 12:00 AM	4/9/25 03:39 PM	4/9/25 03:39 PM	
4308925	0000349406	ANALYZER UV #2 DUTY #1	1517, Mattawa DWS	PM	Calibration	0		0000349406 ANALYZER UV #2 DUTY #1	COMP	1/1/25 12:00 AM	4/9/25 03:39 PM	4/9/25 03:39 PM	
4308928	0000349408	ANALYZER UV #2 DUTY #2	1517, Mattawa DWS	PM	Calibration	0		0000349408 ANALYZER UV #2 DUTY #2	COMP	1/1/25 12:00 AM	4/9/25 03:39 PM	4/9/25 03:39 PM	
4308972			1517, Mattawa DWS	PM	Inspection	3	MONTHS	Replace UV Air Filters 1517	COMP	1/1/25 12:00 AM	4/9/25 03:41 PM	4/9/25 03:41 PM	Replace UV Air Filters 1517 - UV air filters on both units have been changed.
4308980	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	1/1/25 12:00 AM	4/9/25 03:42 PM	4/9/25 03:42 PM	UVT Analyzer calibration to yellow box (1m) 1517 - Optiview compared to handheld unit on a weekly basis, no issues at this time, data logged on tracking sheet,
4309001			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Critical Alarm Dialer Route (1m) - 1517	COMP	1/1/25 12:00 AM	4/9/25 03:44 PM	4/9/25 03:44 PM	Critical Alarm Dialer Route (1m) - 1517 - Alarm dialer checked during alarms over the month, all working OK at this time

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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
4309010	0000328801	PUMP DIAPHRAGM 01 SODIUM HYPOCHLORITE	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Diaphragm Inspection (1y) 1517	COMP	1/1/25 12:00 AM	4/9/25 03:45 PM	4/9/25 03:45 PM	Pump Diaphragm Inspection (1y) 1517 - Pump checked during daily rounds, no issues at this time
4309016	0000328802	PUMP DIAPHRAGM 02 SODIUM HYPOCHLORITE	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Diaphragm Inspection (1y) 1517	COMP	1/1/25 12:00 AM	4/9/25 03:46 PM	4/9/25 03:46 PM	Pump Diaphragm Inspection (1y) 1517 -Pump checked during daily rounds, no issues at this time
4309022			1517, Mattawa DWS	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	1/1/25 12:00 AM	4/9/25 03:46 PM	4/9/25 03:46 PM	Health And Safety Inspection (1m) 1517 - Safety checks completed during generator test, no issues found at this time
4309035			1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Annual Facility Valves Inspection (1y) 1517	COMP	1/1/25 12:00 AM	4/9/25 03:48 PM	4/9/25 03:48 PM	Annual Facility Valves Inspection (1y) 1517 - Valving checked weekly during morning rounds visually no issues. Exercised all valves, all operating as they should
4309042	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	1/1/25 12:00 AM	4/9/25 03:49 PM	4/9/25 03:49 PM	Valve Regulating Inspection (1m) 1517 - Visual inspection completed during daily rounds, no issues visually at this time
4309047	0000328757	VALVE RELIEF	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Valve Relief Air Insp/Service (1y) 1517	COMP	1/1/25 12:00 AM	4/9/25 03:50 PM	4/9/25 03:50 PM	Valve Relief Air Insp/Service (1y) 1517 -Visual inspection completed during daily rounds, no issues visually at this time
4309050	0000328762	VALVE RELIEF	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Valve Relief Air Insp/Service (1y) 1517	COMP	1/1/25 12:00 AM	4/9/25 03:51 PM	4/9/25 03:51 PM	Valve Relief Air Insp/Service (1y) 1517 -Visual inspection completed during daily rounds, no issues visually at this time
4309279			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	1/1/25 12:00 AM	4/9/25 03:54 PM	4/9/25 03:54 PM	Analyzer Chlorine Inspection/ Service (1m) 1517 - Chlorine analyzer checked against handheld. visually inspected. all ok

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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
4336987			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	2/1/25 12:00 AM	4/9/25 03:59 PM	4/9/25 03:59 PM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 - UV 2 sensors checked against master, within specs. data recorded on the tracking sheet
4359672	0000349414	ANALYZER	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	3	MONTHS	UV Transmitter Optiview Calibration (3m) 1517	COMP	2/1/25 12:00 AM	4/9/25 04:00 PM	4/9/25 04:00 PM	UV Transmitter Optiview Calibration (3m) 1517 - Optiview has been checked against yellow box, within specs no calibration at this time
4359683	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	2/1/25 12:00 AM	4/9/25 04:01 PM	4/9/25 04:01 PM	
4359686			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	2/1/25 12:00 AM	4/9/25 04:02 PM	4/9/25 04:02 PM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 - UV reference check for UV 1 completed, passed within specs. Data recorded on tracking sheet
4359733	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	2/1/25 12:00 AM	4/9/25 04:03 PM	4/9/25 04:03 PM	UVT Analyzer calibration to yellow box (1m) 1517 - optiview compared to yellow box, no issues at this time
4359754			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Critical Alarm Dialer Route (1m) - 1517	COMP	2/1/25 12:00 AM	4/9/25 04:04 PM	4/9/25 04:04 PM	Critical Alarm Dialer Route (1m) - 1517 - Alarm dialer shorted out during a water leak. New system has been scheduled for replacement, water plant is currently using WIN911 for alarming.
4359763			1517, Mattawa DWS	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	2/1/25 12:00 AM	4/9/25 04:05 PM	4/9/25 04:05 PM	Health And Safety Inspection (1m) 1517 - Safety checks completed, no issues found.
4359776			1517, Mattawa DWS	PM	Inspection	1	YEARS	Ups Battery Bank Insp/Service (1y) 1517	COMP	2/1/25 12:00 AM	4/10/25 06:59 AM	4/10/25 06:59 AM	Ups Battery Bank Insp/Service (1y) 1517 - Checked UPS banks, all showing OK on health meter

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4359783	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	2/1/25 12:00 AM	4/9/25 04:05 PM	4/9/25 04:05 PM	Valve Regulating Inspection (1m) 1517 - All valves visually inspected during rounds, no issues found at this time
4359910			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	2/1/25 12:00 AM	4/10/25 07:00 AM	4/10/25 07:00 AM	Analyzer Chlorine Inspection/ Service (1m) 1517 - Checked chlorine analyzer against handheld, within specs, all ok at this time
4378503			1517, Mattawa DWS	CAP	Refurbish/ Replace/Repair	0		Leak Detection Mattawa Bisette St Between 10th and 11th	COMP		2/5/25 01:30 PM	2/5/25 01:30 PM	leak detection Mattawa Bisette st between 10th and 11th - use correlator on valves once accessible to correlate on 11th st from bisette to mid block. leak showing out of bracket. set up on valve at tenth on bisette to valve at 11th on bisette and showed leak 112' from valve at 10th st. switched sensors and confirmed measurements. TF Feb 4/24

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4382008			1517, Mattawa DWS	CAP	Inspection	0		Additional Leak Detection Bisette St Mattawa	COMP		2/25/25 08:23 AM	2/25/25 08:23 AM	- Using various scenarios we correlated Bisette from 10th st to 11th with no visible leak and 11th st from Bisette to midblock we had a slight hit with noise on an outside tap that went away after checking with homeowner. We attempted to correlate Bisette from 11th to 12th but due to multiple pipe types and sizes the equipment gave multiple answers. We would need to confirm pipe sizes and materials in order to give more precise readings and measurements. There was audible noise on the gatevalve at Bisette and 11th and the firehydrant but was only audible with the digital listener not the analog one. The pipe material might explain this. We could not hear a leak on any of the houses in the vicinity. We also encountered what appears to be a meter pit with a combination of poly and copper pipe at 12th and Bisette. No one was sure what it is and what it is being used for. John Novak mentioned he removed a meter at one point and left the water off due to possible cross contamination. Further investigations are required to make an accurate assessment of the area in question. we used the correlator for 1.5 hours. TF Feb 19/25

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4382688			1517, Mattawa DWS	CAP	Refurbish/ Replace/Repair	0		Mattawa Telus Alarm Monitoring System Replacement	COMP		4/3/25 02:49 PM	4/3/25 02:49 PM	Alarm Monitoring System Replacement -API - HEAT DETECTOR 6 API - PANIC / HOLD UP BUTTON 1 API - CONTACT 18 HSM2108: NEO 8-Hardwired Zone Expander M odule.Compatable with NEO HS2XXX panels 3 HSM2204: NEO High Current Output Module. Compatabewith NEO HS2XXX panels 1 BAT127: 12V 7A SEALED LEAD ACID 1 PIT1640C:TRANSFORMER 16.5V 40VA PLUG IN 1 API - TEMP SENSOR 2 NEO64 -PNL/KEYPAD/REC/ADC CELL BILINGUAL + WALL SIREN 1
4404214	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	3/1/25 12:00 AM	4/10/25 07:06 AM	4/10/25 07:06 AM	Generator Monthly Test (1m) 1517 - Monthly generator test completed, all ok. Filled deisel tanks.
4404217			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	3/1/25 12:00 AM	4/10/25 07:07 AM	4/10/25 07:07 AM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 - UV #1 sensors reference check against master completed. Passed within specs. Data recorded on tracking sheet
4404220			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	3/1/25 12:00 AM	4/10/25 07:08 AM	4/10/25 07:08 AM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 - UV #2 sensors reference check against master completed. Passed within specs. Data recorded on tracking sheet
4404267	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	3/1/25 12:00 AM	4/10/25 07:09 AM	4/10/25 07:09 AM	UVT Analyzer calibration to yellow box (1m) 1517 - Optiview checked against the handheld weekly, within specs and data recorded on tracking sheet., all ok at this time

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4404288			1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Actuator Electric Inspection/Service (1y) 1517	COMP	3/1/25 12:00 AM	4/10/25 07:21 AM	4/10/25 07:21 AM	Actuator Electric Inspection/Service (1y) 1517 - Insepcted valves visually no issues, operated them manually with scada, all working as they should
4404300			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Critical Alarm Dialer Route (1m) - 1517	COMP	3/1/25 12:00 AM	4/10/25 07:17 AM	4/10/25 07:17 AM	Critical Alarm Dialer Route (1m) - 1517 - New dialer and alm system installed at wtp, all working ok
4404307			1517, Mattawa DWS	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	3/1/25 12:00 AM	4/10/25 07:16 AM	4/10/25 07:16 AM	Health And Safety Inspection (1m) 1517 - Completed health and safety inspection, no issues arising at this time
4404318	0000328772	TANK STORAGE HOT WATER	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Hot Water Insp. (1y) - 1517	COMP	3/1/25 12:00 AM	4/10/25 07:16 AM	4/10/25 07:16 AM	Tank Hot Water Insp. (1y) - 1517 - Hot water tank visually inspected, no leaks
4404321	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	3/1/25 12:00 AM	4/10/25 07:15 AM	4/10/25 07:15 AM	
4404397			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	3/1/25 12:00 AM	4/10/25 07:13 AM	4/10/25 07:13 AM	Analyzer Chlorine Inspection/ Service (1m) 1517 - Analyzer checked against handheld, within specs, all ok
4425687			1517, Mattawa DWS	CAP	Refurbish/ Replace/Repair	0		Emergency water line repair parts on distribution water supply in WTP-1517	COMP		3/10/25 09:50 AM	3/10/25 09:50 AM	Emergency repair - Arrived at the water plant to find a blown 90 on the distribution water supply. Line was leaking above true steel panel, transformers, and UV #1. Turned off water supply, turned off UVpanel. Made necessary repairs, dried out UV 1, blew all dampness away. Turned water back on, restarted UV and all seems ok. Truesteel alarm panel is currently down. Truesteel called for tech support

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4427966			1517, Mattawa DWS	CAP	Refurbish/ Replace/Repair	0		leak detection Mattawa hurdman st	COMP		3/24/25 12:12 PM	3/24/25 12:12 PM	leak detection Mattawa hurdman st - leak detect on hurdman st from valve on division to hydrant on hurdman. leak 25' from valve on division. ran three scenarios. used corelator 1hr. TF Mar 20/25



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MATTAWA WATER & WASTEWATER SYSTEMS QUARTERLY OPERATIONS REPORT

Appendix B - Work Order Summary for WWTL

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				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
4309107			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	1/1/25 12:00 AM	4/9/25 03:52 PM	4/9/25 03:52 PM	Alarm Dialer Route (1m) - 1541 - Station dialers checked during generator testing, all testing OK
4309121			1541, Mattawa Wastewater System	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	1/1/25 12:00 AM	4/9/25 03:53 PM	4/9/25 03:53 PM	Health And Safety Inspection (1m) 1541 - Health and safety checks completed, cheked all icy areas, no buildup found, all steps salted and clear
4313342			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	1/1/25 12:00 AM	4/9/25 03:55 PM	4/9/25 03:55 PM	Pump Submersible Group Inspection (1m) 1541 - All pumps, panels, visually inspected, all ok. Cheked pumps in manual, all wroking as they should at this time
4336173	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	1/16/25 12:00 AM	4/9/25 03:56 PM	4/9/25 03:56 PM	Tank Alum Inspection (1m) - 1541 - Alum tank inspected with rounds. No visual signs of wear or defects at this time
4359813			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	2/1/25 12:00 AM	4/9/25 04:06 PM	4/9/25 04:06 PM	Alarm Dialer Route (1m) - 1541 - Sewage alarm dialers checked during generator testing, all in working order
4359820	0000328891	PUMP PERISTALTIC 01	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Peristaltic 01 Alum Insp/ Service (1y) - 1541	COMP	2/1/25 12:00 AM	4/9/25 04:07 PM	4/9/25 04:07 PM	Pump Peristaltic 01 Alum Insp/ Service (1y) - 1541 - Alum pump checked during rounds, clear air and visually inspect, all working as they should.
4359837	0000328892	PUMP PERISTALTIC 02	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Peristaltic 01 Alum Insp/ Service (1y) - 1541	COMP	2/1/25 12:00 AM	4/9/25 04:08 PM	4/9/25 04:08 PM	Pump Peristaltic 01 Alum Insp/ Service (1y) - 1541 - Alum pump checked during rounds, clear air and visually inspect, all working as they should.
4359854			1541, Mattawa Wastewater System	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	2/1/25 12:00 AM	4/10/25 06:59 AM	4/10/25 06:59 AM	Health And Safety Inspection (1m) 1541 - Checked all fire extinguuishers and first aid kits all ok

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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
4363321			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	2/1/25 12:00 AM	4/10/25 07:01 AM	4/10/25 07:01 AM	Pump Submersible Group Inspection (1m) 1541 - All pump and panels checked on weekly basis, run pumps in hand, all ok at this time
4380402	0000328874	GENERATOR ELECTRIC DIESEL BACKUP POWER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	2/15/25 12:00 AM	4/10/25 07:02 AM	4/10/25 07:02 AM	Generator Monthly Test (1m) 1541 - Monthly generator test completed, all ran ok, no issues found
4380405	0000328842	GENERATOR ELECTRIC DIESEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	2/15/25 12:00 AM	4/10/25 07:02 AM	4/10/25 07:02 AM	Generator Monthly Test (1m) 1541 -Monthly generator test completed, all ran ok, no issues found
4380408	0000328901	GENERATOR ELECTRIC DIESEL	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	2/15/25 12:00 AM	4/10/25 07:03 AM	4/10/25 07:03 AM	Generator Monthly Test (1m) 1541 - Monthly generator test completed, all ran ok, no issues found
4380411			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 1541	COMP	2/15/25 12:00 AM	4/10/25 07:05 AM	4/10/25 07:05 AM	
4380531	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	2/16/25 12:00 AM	4/10/25 07:03 AM	4/10/25 07:03 AM	Tank Alum Inspection (1m) - 1541 - Alum tank inspection completed, no signs of defects or leaks, all OK
4404332			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	3/1/25 12:00 AM	4/10/25 07:14 AM	4/10/25 07:14 AM	Alarm Dialer Route (1m) - 1541 - Wastewater alarm dialers all working as they shuold be
4404339			1541, Mattawa Wastewater System	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	3/1/25 12:00 AM	4/10/25 07:13 AM	4/10/25 07:13 AM	Health And Safety Inspection (1m) 1541 - General walk around stations for safety inspection, no outstanding issues at this time
4407705			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	3/1/25 12:00 AM	4/10/25 07:12 AM	4/10/25 07:12 AM	Pump Submersible Group Inspection (1m) 1541 - All umps checked for any vibrations or noise, all ok running in hand
4426353	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	3/16/25 12:00 AM	4/10/25 07:10 AM	4/10/25 07:10 AM	Tank Alum Inspection (1m) - 1541 - Alum tank inspection completed, no signs of defect at this time



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MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix C – Call-out Report for WTP

Workorder Summary Report

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

Report End Date: Mar 31, 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
4380325			1517, Mattawa DWS	CALL	Compliance	0		Mattawa Reservoir Communication alarm	COMP		2/10/25 08:00 PM	2/10/25 09:30 PM	Mattawa Reservoir Communication alarm - Feb 10th 2025 Arrived on site after True steel called with PLC alarm. Noticed communication from WTP to reservoir went out due to lack of Internet. Reset multiple times and finally communication came back around 21:30 Contacted ORO to let him know the issue. Kyle Michaud
4380554			1517, Mattawa DWS	CALL	Compliance	0		Mattawa liftstation 451 Bissett pump 1 fail	COMP		2/15/25 08:15 AM	2/15/25 08:30 AM	Mattawa liftstation 451 Bissett pump 1 fail - Feb 15th 2025 Notified by Don Michaud of the Telus alarm. Arrived on site 451 bissett and Pump 1 was faulted, Reset and acknowledged alarms, and both pumps back in auto waiting for pit level to come back up. Kyle Michaud

Workorder Summary Report

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

Report End Date: Mar 31, 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
4423788			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Low POE chlorine	COMP		3/3/25 04:30 PM	3/3/25 07:00 PM	Low POE chlorine - Alarms Remote Access Plant shutdown on low POE chlorine residual earlier, causing low reservoir alarm. Chlorine is back up, set low low alarm to 1.60m and started plant. Low POE chlorine shutdown again. Left for site visit. Chlorine pump is fault for no flow. Flow sensor not reading flow. Disabled alarm and started plant. Verified cl2 pump working fine by shutting down plant and restarting. Everything running fine.
4424687			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Low POE chlorine	COMP		3/6/25 02:00 AM	3/6/25 07:30 AM	Low POE chlorine - Low POE chlorine alarm came in. Pump functioning fine but there was evidence of small leak on suction end. Replaced valve and fittings on suction end of pump head. Chlorine residual still not increasing as expected. Increased pump#1 stroke rate from 65 to 70%. Residual still not increasing as expected. Increased pump factor from 1.90 to 2.10, still no change. Added batch of chlorine / water mix to day tank, POE residuals rose to over 1.00 mg/L.

Workorder Summary Report

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

Report End Date: Mar 31, 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
4427901			1517, Mattawa DWS	CALL	Compliance	0		Mattawa WTP UV 1 wiper fault	COMP		3/22/25 08:10 PM	3/22/25 08:50 PM	Mattawa WTP UV 1 wiper fault - March 22nd 2025 Arrived on site at 20:10 after true steel call out. noticed chlorine tank was low, made a batch of chlorine. Looked into Uv1 one alarm, exercised wiper, then reset alarm and made sure the wiper went back home. Left Uv2 running as lead as per ORO. acknowledged all alarms related to call out. sign out of site at 20:50. Kyle Michaud
4428183			1517, Mattawa DWS	EMER	Refurbish/ Replace/Repair	0		Overtime: Watermain Break at 411 Pine St , and BWA Samples	COMP		3/21/25 02:00 PM	3/22/25 12:15 AM	Watermain break 411 Pine st - Water coming up through the roadway. dug down found a 10" valve to be split apart where the two body parts meet. Repaired the valve. represurrized and found a leak at the "T" within 3' away. replaced mechanical joints with retainer joints. Watermain break 411 Pine st - Saturday march 23/25 collected BWI samples at 3 location on pine st. Delivered samples to the lab Watermain break 411 Pine st - Sunday march 23/25, collected samples at 3 location on pine st for BWI. kept samples and to deliver samples on monday morning.



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QUARTERLY OPERATIONS REPORT

Appendix D - Call-out Report for WWTL

Workorder Summary Report

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

Report End Date: Mar 31, 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
4423789			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		451 Bissett P#2 fault	COMP		3/1/25 04:00 PM	3/1/25 06:00 PM	451 Bissett P#2 fault -Alarm call for pump#2 failure at 451 Bissette pump station. Arrived on site to find breaker tripped on overload. Reset breaker and cycled pumps to verify running fine.



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QUARTERLY OPERATIONS REPORT

Appendix E - Performance Assessment Report Water

1517 MATTAWA DRINKING WATER SYSTEM 210001905

	1 / 2025	2/ 2025	3/ 2025	<--Total-->	<--Avg-->	<--Max-->	<--Min-->
Flows							
Raw Flow: Monthly Total - RW1 - Well #1 (m³)	49,796.68	62,583.78	86,820.90	199,201.36			
Raw Flow: Monthly Total - RW2 - Well #2 (m³)	5,250.85	1,235.11	416.27	6,902.23			
Raw Flow: Monthly Avg - RW1 - Well #1 (m³)	1,606.34	2,235.14	2,800.67		2,214.05		
Raw Flow: Monthly Avg - RW2 - Well #2 (m³)	169.38	44.11	13.43		75.64		
Raw Flow: Monthly Max - RW1 - Well #1 (m³)	2,852.40	3,024.61	3,727.16			3,727.155	
Raw Flow: Monthly Max - RW2 - Well #2 (m³)	396.82	461.37	88.10			461.368	
Raw Flow: Monthly Total - RWT - Raw Water - Total (m³)	55,047.52	63,818.89	87,237.17	206,103.59			
Raw Flow: Monthly Avg - RWT - Raw Water - Total (m³)	1,775.73	2,279.25	2,814.10		2,289.69		
Raw Flow: Monthly Max - RWT - Raw Water - Total (m³)	2,852.40	3,024.61	3,727.16			3,727.155	
Turbidity							
Raw: Max Turbidity - RW1 - Well #1 (NTU)	0.200	0.210	0.300			0.300	
Raw: Max Turbidity - RW2 - Well #2 (NTU)	0.300	0.280	0.310			0.310	
Chemical Parameters							
Treated: Max Nitrite - TW - TW (mg/L)	< 0.002				<	< 0.002	<
Treated: Max Nitrate - TW - TW (mg/L)	1.580					1.580	
Distribution: Max THM - DW - DW (µg/l)	< 6.000				<	< 6.000	<
Distribution: Max HAA - DW - DW (µg/l)	< 5.300				<	< 5.300	<
Chlorine Residuals							
Treated: Min Free Cl2 Resid - TW - TW (mg/L)	0.067	0.292	0.076				0.067
Treated: Max Free Cl2 Resid - TW - TW (mg/L)	3.908	3.966	3.998			3.998	
Dist: Min Free Cl2 Resid - DW - DW (mg/L)	0.410	0.670	0.410				0.367
Dist: Max Free Cl2 Resid - DW - DW (mg/L)	1.150	0.920	0.740			0.844	
Bacti Samples Collected							
Raw Bacti: # of samples - RW1 - Well #1	4	4	4	12			
Raw Bacti: # of samples - RW2 - Well #2	4	4	4	12			
Treated Bacti: # of samples - TW - TW	4	4	4	12			
Dist Bacti: # of samples - DW - DW	12	10	18	40			
Dist HPC: # of samples - DW - DW	4	4	4	12			
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			



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MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix F - Performance Assessment Report Wastewater

1541 MATTAWA WASTEWATER TREATMENT FACILITY 110000436

	1 / 2025	2 / 2025	3 / 2025	<--Total-->	<--Avg-->	<--Max-->
Flows						
Raw Flow: Total - Raw m³/d	24,114.59	19,629.48	26,745.24	70,489.32		
Raw Flow: Avg - Raw m³/d	777.89	701.05	862.75		783.21	
Raw Flow: Max - Raw m³/d	921.98	761.84	1,227.61			1,227.61
Raw Flow: Count - Raw m³/d	31.00	28.00	31.00	90.00		
Eff. Flow: Total - Eff m³/d	24,114.59	19,629.48	26,745.24	70,489.32		
Eff. Flow: Avg - Eff m³/d	777.89	701.05	862.75		783.21	
Eff. Flow: Max - Eff m³/d	921.98	761.84	1,227.61			1,227.61
Eff Flow: Count - Eff m³/d	31.00	28.00	31.00	90.00		
Carbonaceous Biochemical Oxygen Demand: CBOD						
Eff: Avg cBOD5 - Eff mg/L	5.00	5.00	5.00		5.00	
Eff: # of samples of cBOD5 - Eff	1.00	1.00	1.00	3.00		
Loading: cBOD5 - Eff kg/d	3.889	3.505	4.314		3.92	4.31
Biochemical Oxygen Demand: BOD5						
Raw: Avg BOD5 - Raw mg/L	170.00	211.00	90.00		157.00	211.00
Raw: # of samples of BOD5 - Raw	1.00	1.00	1.00	3.00		
Eff: Avg BOD5 - Eff mg/L	7.00	9.00	8.00		8.00	9.00
Eff: # of samples of BOD5 - Eff	1.00	1.00	1.00	3.00		
Loading: BOD5 - Eff kg/d	5.445	6.309	6.902		6.27	6.90
Percent Removal: BOD5 - Raw %	0.00	0.00	0.00		0.00	
Total Suspended Solids: TSS						
Raw: Avg TSS - Raw mg/L	129.00	262.00	102.00		164.33	262.00
Raw: # of samples of TSS - Raw	1.00	1.00	1.00	3.00		
Eff: Avg TSS - Eff mg/L	9.50	10.00	8.70		9.40	10.00
Eff: # of samples of TSS - Eff	1.00	1.00	1.00	3.00		
Loading: TSS - Eff kg/d	7.390	7.011	7.506		7.36	7.51
Percent Removal: TSS - Raw %	0.00	0.00	0.00		0.00	
Total Phosphorus: TP						
Raw: Avg TP - Raw mg/L	2.25	2.86	2.81		2.64	2.86
Raw: # of samples of TP - Raw	1.00	1.00	1.00	3.00		
Eff: Avg TP - Eff mg/L	0.51	0.56	0.63		0.56	0.63
Eff: # of samples of TP - Eff	4.00	4.00	4.00	12.00		
Loading: TP - Eff kg/d	0.393	0.393	0.539		0.44	0.54
Percent Removal: TP - Raw %	0.00	0.00	0.00		0.00	
Nitrogen Series						
Eff: Avg TAN - Eff mg/L	19.60	18.48	18.00		18.69	19.60
Eff: Avg NO3-N - Eff mg/L	0.12	0.13	0.16		0.14	0.16
Eff: # of samples of NO3-N - Eff	1.00	1.00	1.00	3.00		
Eff: Avg NO2-N - Eff mg/L	0.02	0.01	0.02		0.02	0.02
Eff: # of samples of NO2-N - Eff	1.00	1.00	1.00	3.00		