

SYSTEM OVERVIEW

January 1st to March 31st , 2022

OPERATIONAL HIGHLIGHTS

Drinking Water System

- The water treatment system operated well during the first quarter.
- Lily St. Service – Mattawa Public Works crew repaired broken service.
- Brydges St. Service - Town of Mattawa is doing a curb stop/service repair today. The plan is to keep the water mains on while the repair is completed. However if the is not able to be done, they will throttle the mains and shut down once the proper air gap has been attained. I will check in with them as the day goes on to see how the progress is coming. If things change I will make the proper notification to all involved as soon as I know.
- 7th and McKenzie main break - Mattawa public works has made quick work of the water main break. Positive pressure was maintained throughout the repair. It was broke 1/2 way around the pipe in a circumferential manner. A pipe clamp was put on as a repair. All parts were chlorinated before putting on. If you have any further questions please contact me by email or phone.
- 333 Main St Service - A repair was completed on the 3/4" service that feeds the building on the corner of Bangs St and Main St. There was a pencil sized hole at the main stop. We cut out approx. 3' of copper line and replaced with new copper. All parts were chlorinated prior to install. There was no loss or lower pressure as it was completed under full pressure.
- 391 Mattawan St Service - The entire service line was replaced, with a new curb stop installed. The 3/4" copper service was not in the best of condition and the decision was made to replace the entire line while the excavation was open. The old copper was replaced with 3/4" poly pipe and a new curb stop and standpipe. All parts were chlorinated prior to install. Pressure in the area was lowered to reduce the amount of water in the excavation.
- 541 Donald St Service - This repair was more challenging due the main being 9' deep and to the ground water that kept washing in the excavation. A small repair at the curb stop was the original intention as the main was so deep. Once the excavation was made at the curb stop and the service was cut to install the 4' section of new water service, it was seen that the copper was in very bad condition and would not last. The home was provided with the temporary connection until we could complete the entire excavation to the main. Once the excavation was completed to the main. The old 3/4" copper service was replaced with a new 3/4" copper line from the main to the curb stop. A new curb stop and standpipe were also installed. While replacing the curb stop we had to cut approx. 1' of the homeowner's service off to find a good straight piece of line to attach our new line to. In doing this, we repaired the homeowner's leak that was at the curb stop. All parts were chlorinated prior to installation. This repair and excavation was all completed while the main was under full pressure.
- Printer with scanner failure was replaced.

Wastewater Treatment

- The wastewater treatment system performed well during the first quarter.
- Lagoon UV discussions ran their course with MECP engineer. Essentially the UV can be replaced like-for-like, however the current UV system will not meet future requirements when new ECA's are rolled out. There will be a need for significant upgrades to the effluent disinfection and outfall systems to provide redundancy and disinfect much higher flows than at present. The replacement of the obsolete lagoon UV had to be deferred due to the fact that the water treatment plant requires SCADA, PLC and UV system replacement. These systems are failing and have taken priority.

CAPITAL PLAN PROGRESS

Drinking Water System

- Well house backflow preventer sprung a leak and was repaired.
- Programming was required to fix daily reports and the 3G network to the reservoir.
- Generator failed to run during test. Service technician purged air from the fuel system and returned it to normal operation.

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 2022 and all results fell within regulatory limits.
- Ministry of the Environment, Conservation and Parks (MECP) inspection took place on January 19, 2022. Final inspection rating of pending with one non-compliance and one best practice recommendations identified. Non-compliance issue resolved with the best practice recommendation is ongoing.
- Jumo computer program was downloaded in order to collect and provide data requested by MECP inspector.

- 2021 annual report completed February 24, 2022.
- Permit to take Water (PTTW) reporting completed January 24, 2022.
- Quarterly trihalomethanes (THM), haloacetic acids (HAA), Nitrate and Nitrite sampling completed January 25/31, 2022.
- No Ministry of Labour (MOL) inspections conducted this quarter.
- AWQI 157997 McConnel St. service/main break. March 15, 2022 - Category 2 break with suspected infiltration due to total loss of pressure resulting from a contractor breaking a service off. Area affected are McConnel, Poplar, Mattawan. 30 residents and 2 businesses. The main was isolated on March 15 at 1413 hours and the repair occurred on March 15 at 1930 hours. The local Health Unit was notified and a BWA was issued for the affected area (30 residents and 2 businesses). Certified OCWA operator conducted the repair. OCWA's OIC oversaw the repair. All materials were disinfected and the area flushed as per the Ministry's Watermain Disinfection procedure (FCR = 0.70 mg/L). Repair was completed and the pressure was restored on March 15 at 1930 hours. SAC and the local MECP inspector were notified of the incident and the notification report was emailed to SAC, MOH and Owner on March 15. After the repair was complete and the area was flushed, 2 sets of 3 microbiological samples were collected (upstream, downstream and at the site of the break) on March 15 and 17. Sample results indicated no total coliforms or E.coli. BWA was lifted on March 18 at approx.1440 hours. Resolution submitted on March 18, 2022 after the final lab report received. OIC - Joshua DeWaal.
- All required sewage samples required under the system's Environmental Compliance Approval (ECA) were collected and tested in the first quarter of 2022.
- 2021 annual sewage report completed February 14, 2022.
- Annual WSER reporting completed.

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 H&S Workplace Inspection Program.
- Staff training completed on Proper Lifting Devices.
- Annual certifications for confined space lifting rigs and gas meters completed.

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



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MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix A - Work Order Summary for WTP

Workorder Summary Report

Report Start Date: Jan 1, 2022 12:00 AM

Report End Date: Mar 31, 2022 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
2636654			1517, Mattawa DWS	CAP	Refurbish/ Replace/Repair	0		Mattawa WTP Backflow Preventer Leak Repair	COMP		1/14/22 10:37 AM	1/14/22 10:37 AM	Backflow Preventer Leak Repair -BFP leaking casting cap, repaired by service technician.
2720763	0000328759	PANEL CONTROL PUMP	1517, Mattawa DWS	CORR	Compliance	0		WTP SCADA Report Generation Issues	COMP		3/1/22 03:03 PM	3/1/22 03:03 PM	WTP SCADA Report Generation Issues - SCADA and PLC programing required to troubleshoot reporting issues. Technician was successful in restoring the connection and transfer the SCADA file from INSIDE the VNC environment instead of VNC file transfer. Restarted the SCADA and looked at the Trending Screen to verify that the new UVT is being collected and displayed on both trends and collector.
2726821	0000328758	VALVE REGULATING	1517, Mattawa DWS	CORR	Refurbish/ Replace/Repair	0		Singer valve Pressure Line Repair-1517	COMP		3/28/22 10:03 AM	3/28/22 10:03 AM	Singer valve Pressure Line Repair-1517 - Singer valve had a leaking flare fitting on the regulating side of the valve. Bought new fittings from homehardware and replaced the leaking fittings. March 18/22 JD
2616736	0000328763	ANALYZER TURBIDITY PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Turbidity Analyzer Calibration (1m) 1517	COMP	1/1/22 12:00 AM	4/4/22 09:46 AM	4/4/22 09:46 AM	
2616756	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	1/1/22 12:00 AM	4/4/22 10:39 AM	4/4/22 10:39 AM	
2616759	0000328770	UV LIGHT REACTOR #1	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	1/1/22 12:00 AM	4/4/22 10:39 AM	4/4/22 10:39 AM	UV 1 Check - UV # 1 Still out of service
2706617			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1517	COMP	3/1/22 12:00 AM	4/4/22 10:50 AM	4/4/22 10:50 AM	
2706626			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	3/1/22 12:00 AM	4/4/22 10:50 AM	4/4/22 10:50 AM	
2706637	0000328772	TANK STORAGE HOT WATER	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Hot Water Insp. (1y) - 1517	COMP	3/1/22 12:00 AM	4/4/22 10:50 AM	4/4/22 10:50 AM	
2706642	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	3/1/22 12:00 AM	4/4/22 10:51 AM	4/4/22 10:51 AM	

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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
2706725			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	3/1/22 12:00 AM	4/4/22 10:52 AM	4/4/22 10:52 AM	
2706531	0000328770	UV LIGHT REACTOR #1	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	3/1/22 12:00 AM	4/4/22 10:53 AM	4/4/22 10:53 AM	- UV 1 not back in service yet
2706534	0000328771	UV LIGHT REACTOR #2	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	3/1/22 12:00 AM	4/4/22 10:49 AM	4/4/22 10:49 AM	
2706537	0000328765	ANALYZER CHLORINE UNIT #3 PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Portable chlorine Analyzer #3 Calibration (1m) 1517	COMP	3/1/22 12:00 AM	4/4/22 10:49 AM	4/4/22 10:49 AM	
2706580			1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	UVR Service (Spring & Fall) 1517	COMP	3/1/22 12:00 AM	4/4/22 10:50 AM	4/4/22 10:50 AM	
2706587	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	3/1/22 12:00 AM	4/4/22 10:50 AM	4/4/22 10:50 AM	
2706608			1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Actuator Electric Inspection/Service (1y) 1517	COMP	3/1/22 12:00 AM	4/4/22 10:55 AM	4/4/22 10:55 AM	
2662918			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	2/1/22 12:00 AM	4/4/22 10:45 AM	4/4/22 10:45 AM	
2662931			1517, Mattawa DWS	PM	Inspection	1	YEARS	Ups Battery Bank Insp/Service (1y) 1517	COMP	2/1/22 12:00 AM	4/4/22 10:53 AM	4/4/22 10:53 AM	
2662938	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	2/1/22 12:00 AM	4/4/22 10:45 AM	4/4/22 10:45 AM	
2663072			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	2/1/22 12:00 AM	4/4/22 10:47 AM	4/4/22 10:47 AM	
2706523	0000328763	ANALYZER TURBIDITY PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Turbidity Analyzer Calibration (1m) 1517	COMP	3/1/22 12:00 AM	4/4/22 10:48 AM	4/4/22 10:48 AM	
2706528	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	3/1/22 12:00 AM	4/4/22 10:49 AM	4/4/22 10:49 AM	
2662829	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	2/1/22 12:00 AM	4/4/22 10:43 AM	4/4/22 10:43 AM	
2662832	0000328770	UV LIGHT REACTOR #1	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	2/1/22 12:00 AM	4/4/22 10:43 AM	4/4/22 10:43 AM	- UV 1 out of service
2662835	0000328771	UV LIGHT REACTOR #2	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	2/1/22 12:00 AM	4/4/22 10:43 AM	4/4/22 10:43 AM	

Workorder Summary Report

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Report End Date: Mar 31, 2022 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
2662838	0000328765	ANALYZER CHLORINE UNIT #3 PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Portable chlorine Analyzer #3 Calibration (1m) 1517	COMP	2/1/22 12:00 AM	4/4/22 10:44 AM	4/4/22 10:44 AM	
2662888	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	2/1/22 12:00 AM	4/4/22 10:44 AM	4/4/22 10:44 AM	
2662909			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1517	COMP	2/1/22 12:00 AM	4/4/22 10:45 AM	4/4/22 10:45 AM	
2616914			1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Annual Facility Valves Inspection (1y) 1517	COMP	1/1/22 12:00 AM	4/4/22 10:41 AM	4/4/22 10:41 AM	
2616921	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	1/1/22 12:00 AM	4/4/22 10:41 AM	4/4/22 10:41 AM	
2617185			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	1/1/22 12:00 AM	4/4/22 10:42 AM	4/4/22 10:42 AM	
2662806			1517, Mattawa DWS	PM	Inspection	6	MONTHS	CL2 sensor change Electrolyte and membrane cap (6m) 1517	COMP	2/1/22 12:00 AM	4/4/22 10:52 AM	4/4/22 10:52 AM	
2662813	0000328787	ANALYZER UV TRANSMITTANCE	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	3	MONTHS	UV Transmitter Optiview calibration (3m) 1517	COMP	2/1/22 12:00 AM	4/4/22 10:42 AM	4/4/22 10:42 AM	
2662824	0000328763	ANALYZER TURBIDITY PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Turbidity Analyzer Calibration (1m) 1517	COMP	2/1/22 12:00 AM	4/4/22 10:43 AM	4/4/22 10:43 AM	
2616762	0000328771	UV LIGHT REACTOR #2	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	1/1/22 12:00 AM	4/4/22 10:40 AM	4/4/22 10:40 AM	
2616765	0000328765	ANALYZER CHLORINE UNIT #3 PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Portable chlorine Analyzer #3 Calibration (1m) 1517	COMP	1/1/22 12:00 AM	4/4/22 10:40 AM	4/4/22 10:40 AM	
2616840			1517, Mattawa DWS	PM	Inspection	3	MONTHS	Replace UV Air Filters 1517	COMP	1/1/22 12:00 AM	4/4/22 10:40 AM	4/4/22 10:40 AM	
2616848	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	1/1/22 12:00 AM	4/4/22 10:40 AM	4/4/22 10:40 AM	
2616875			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1517	COMP	1/1/22 12:00 AM	4/4/22 10:40 AM	4/4/22 10:40 AM	
2616901			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	1/1/22 12:00 AM	4/4/22 10:41 AM	4/4/22 10:41 AM	



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Northeastern Ontario Region

MATTAWA WATER & WASTEWATER SYSTEMS QUARTERLY OPERATIONS REPORT

Appendix B - Work Order Summary for WWTL

Workorder Summary Report

Report Start Date: Jan 1, 2022 12:00 AM

Report End Date: Mar 31, 2022 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
2616998			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	1/1/22 12:00 AM	4/4/22 10:41 AM	4/4/22 10:41 AM	
2617012			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	1/1/22 12:00 AM	4/4/22 10:41 AM	4/4/22 10:41 AM	
2621831			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	1/1/22 12:00 AM	4/4/22 10:42 AM	4/4/22 10:42 AM	
2636976	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	1/16/22 12:00 AM	4/4/22 10:42 AM	4/4/22 10:42 AM	
2662977			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	2/1/22 12:00 AM	4/4/22 10:45 AM	4/4/22 10:45 AM	
2662984	0000328891	PUMP PERISTALTIC 01	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Peristaltic 01 Alum Insp/ Service (1y) - 1541	COMP	2/1/22 12:00 AM	4/4/22 10:46 AM	4/4/22 10:46 AM	
2678951	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	2/16/22 12:00 AM	4/4/22 10:47 AM	4/4/22 10:47 AM	
2706662			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	3/1/22 12:00 AM	4/4/22 10:51 AM	4/4/22 10:51 AM	
2706669			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	3/1/22 12:00 AM	4/4/22 10:51 AM	4/4/22 10:51 AM	
2710352			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	3/1/22 12:00 AM	4/4/22 10:51 AM	4/4/22 10:51 AM	
2724070	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	3/16/22 12:00 AM	4/4/22 10:55 AM	4/4/22 10:55 AM	
2663001	0000328892	PUMP PERISTALTIC 02	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Peristaltic 01 Alum Insp/ Service (1y) - 1541	COMP	2/1/22 12:00 AM	4/4/22 10:46 AM	4/4/22 10:46 AM	
2663018			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	2/1/22 12:00 AM	4/4/22 10:46 AM	4/4/22 10:46 AM	
2666707			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	2/1/22 12:00 AM	4/4/22 10:47 AM	4/4/22 10:47 AM	
2678477	0000328874	GENERATOR ELECTRIC DIESEL BACKUP POWER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	2/13/22 12:00 AM	4/4/22 10:47 AM	4/4/22 10:47 AM	
2678480	0000328842	GENERATOR ELECTRIC DIESEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	2/13/22 12:00 AM	4/4/22 10:47 AM	4/4/22 10:47 AM	
2678483	0000328901	GENERATOR ELECTRIC DIESEL	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	2/13/22 12:00 AM	4/4/22 10:47 AM	4/4/22 10:47 AM	

Workorder Summary Report

Report Start Date: Jan 1, 2022 12:00 AM

Report End Date: Mar 31, 2022 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



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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, 2022 12:00 AM

Report End Date: Mar 31, 2022 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
2724679			Mattawa DWS	EMER	Refurbish/ Replace/Repair	0		1517 Mattawa Main Plant PLC spare	COMP		3/31/22 09:01 AM	3/31/22 09:01 AM	Spare plat PLC - Critical spare part required
2722418			1517, Mattawa DWS	EMER	Refurbish/ Replace/Repair	0		UV System Critical Spare Parts	COMP		3/8/22 12:57 PM	3/8/22 12:57 PM	UV System Critical Spare Parts - Order 2 UV lamp kits and 3 ballasts for critical spare part inventory.
2725630			1517, Mattawa DWS	EMER	Refurbish/ Replace/Repair	0		UV System: 2 Spare Bulbs	COMP		3/23/22 08:04 AM	3/23/22 08:04 AM	UV System: 2 Spare Bulbs - 2 spare bulbs needed for UV1
2637969			1517, Mattawa DWS	EMER	Inspection	0		150 7th St structure fire	COMP		1/11/22 04:00 PM	1/11/22 07:00 PM	150 7th St structure fire -Called by Mattawa fire for a structure fire on 7th st. Ensured P1 was on, completed check of hydrant that the fire dept was using, all OK. Shut off water to the house as per request of Fire Dept. Put pump back in hand once fire dept was done with operations. Ensured Mattawa PW was available for Hydrant winterization upon completeion of fire operations.
2677594			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		PLC Fail 1517	COMP		1/31/22 09:00 PM	1/31/22 10:15 PM	PLC Fail 1517 -Called by Trueteel for PLC Fail @ WTP, Remotely reviewed SCADA, found the plant to be in low level alarm. Plant switched to UV1 which is still out of service, Switch to UV2, plant started OK
2677597			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Low Water Pressure 677 Mattawan ST- 1517	COMP		2/6/22 02:00 PM	2/6/22 03:00 PM	Low Water Pressure 677 Mattawan ST- 1517 -Called by Mattawa Call center for Low water pressure @ 677 Mattawan St, I contacted the Resident, he was having issues with low water pressure and cloudy water. No other issues from the same apt building, I advised to contact the land lord and see if there was an issue with the PRV, I checked the reservoir level and there was lots of water in it. Will inform Mattawa PW to follow up.JD

Workorder Summary Report

Report Start Date: Jan 1, 2022 12:00 AM

Report End Date: Mar 31, 2022 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
2721631			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Possible water break 590 Pine	COMP		2/21/22 02:30 PM	3/4/22 11:34 AM	Possible water break 590 Pine - Notified by Town Call centre @ 1429 for a possible water break at the top of brook and pine st. Arrvied found water running down Brooke St, upomn futher investigation i found the cause to be a frozen culvert. Icontacted PW supervisor Barry J and informed him of the situation.
2724001			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		High Chlorine Alarm	COMP		3/9/22 02:30 AM	3/9/22 05:00 AM	High Chlorine Alarm -Received call for High Chlorine. Arrived on-site and reset chemical pump. Reduced stroke on pump from 70% to 55%. Started plant using well pump #1. Monitored process until stabilized.
2722257	0000328804	ANALYZER CHLORINE / PH AIT 102	1517, Mattawa DWS	CALL	Compliance	0		Low Chlorine Alarm	COMP		3/5/22 11:15 AM	3/5/22 01:00 PM	Low Chlorine Alarm - Arrived onsite to find plant not running, Distributoin chlorine analyzer was in lockout due to low chlorine. POE analyzer was reading 1.65mg/l. Checked the Flow cell for distribution analyzer, found flow had stopped. Opened the water valve more, water started flowing once again. Put the plant in hand as to not start if the residual comes back up. Compared Analyzzer to hand held and found it to be different. The flow cell was very dirty. I shut off the water source and changed out the flow cell for a clean one. Put the flow cell back online and waited for the values to stabalize. once the values had stabalized i checked against the handheld meter again. the two were within allowances. Put the plant back in hand and it started and ran normal.

Workorder Summary Report

Report Start Date: Jan 1, 2022 12:00 AM

Report End Date: Mar 31, 2022 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
2722254	0000328771	UV LIGHT REACTOR #2	1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		UV 2 Fail Alarm-1517	COMP		3/5/22 07:30 AM	3/5/22 10:00 AM	UV 2 Fail Alarm-1517 - Onsite for UV Fail alarm. Called by truesteel @ 0733 for UV 2 Fail alarm. Arrived to find plant not running due to UV2 bulb # 1 fail. Changed Bulb #1 in UV2. Switched out the sleeve aswell. due to there being debris inside the sleeve. Reset all alarms and switched to UV 2 as duty. Plant started and ran No issues.
2722249	0000328799	PANEL CONTROL UV #2	1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		major uv 2 alarm- UV 2 Ballast Fail-1517	COMP		2/28/22 04:15 AM	2/28/22 05:30 AM	major uv 2 alarm- UV 2 Ballast Fail-1517 - Uv 2 was found to have a ballast 2 fail under high temp issue. Attempted to reset the uv. Ballast 2 failed once again. Pulled ballast 2 and replaced with a spare. All seems to be running ok now. Sent out an email for additional spare parts.
2722250			1517, Mattawa DWS	CALL	Compliance	0		low/high chlorine alarm-1517	COMP		2/2/22 02:15 AM	3/2/22 04:30 AM	low/high chlorine alarm-1517 - Opened various water valves and taps in the plant to flush back, to lower chlorine residual as it was in the high 3's. flushed until the residual was below 2.5 mg/l. Which unlocked the plant lockout and restarted the plant. Switched duty to P1 as the new batch of chlorine spiked on p2.

Workorder Summary Report

Report Start Date: Jan 1, 2022 12:00 AM

Report End Date: Mar 31, 2022 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
2722260			1517, Mattawa DWS	CALL	Compliance	0		Power Outage 1517/1541	COMP		3/6/22 04:45 AM	3/6/22 04:45 PM	Power Outage 1517/1541 - Called by truesteel @0443 For Brook St alarm. Arrived in town to find power outage through half the town. 300 Mattawan Generator was running. Power switched @ approx 0815 to opposite half of town. Monitored all stations hourly for any potential over flows. Power went out for all of town @ 0854. Checked all stations hourly from 0854-1500 when power returned. There were no overflow issues. Once power returned, i checked all stations once again, reset pumps and alarms where needed and checked generators had all shut down. Took 1hr Break from 1245-1345.
2725938			1517, Mattawa DWS	EMER	Refurbish/ Replace/Repair	0		Water Main Repair @ 333 Main St-1517	COMP		3/14/22 12:03 PM	3/24/22 12:07 PM	Water Main Repair @ 333 Main St-1517 - Emergency water repair @ 333 Main St mattawa, Replaced 4' of copper at the main stop. Assisted Mattawa PW due to shortage of staff.
2725941			1517, Mattawa DWS	EMER	Refurbish/ Replace/Repair	0		Emergency Repair @ 391 MCconnel St (BWA)-1517	COMP		3/15/22 12:07 PM	3/15/22 08:00 PM	Emergency Repair @ 391 MCconnel St (BWA)-1517 - Called by Mattawa call centre for emergency water repair due to contractor pulling off a curbstop from main service. Shut down water main to 30 residents due to uncontrolled water. Once the contractor emptied the excavation they found the line and i replaced the curbstop. Samples were taken once the water was restored due to BWA in effect due to the shut down.
2725943			1517, Mattawa DWS	EMER	Refurbish/ Replace/Repair	0		Emergency Water Repair 541 Donald St-1517	COMP		3/16/22 09:00 AM	3/16/22 06:00 PM	Emergency Water Repair 541 Donald St-1517 - Emergency line replacement and curb stop. due to deterioration of the copper and broken off curbstop; Replaced entire service.

Workorder Summary Report

Report Start Date: Jan 1, 2022 12:00 AM

Report End Date: Mar 31, 2022 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
2680405			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Service leak at 399 McConnel St	COMP		2/16/22 12:30 AM	2/16/22 02:30 AM	Service leak at 399 McConnel St -Received call for water break. Called tenant of building and he informed me that water was entering the basement. Met Barry Jackson on site to turn off service line. Called tenant back, he confirmed water stopped entering building. I ask him to please let home owner know in the morning that the service has been shut off.



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: Jan 1, 2022 12:00 AM

Report End Date: Mar 31, 2022 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
2635976			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		False high level alarm at Mattawan P.S.	COMP		1/10/22 03:15 AM	1/10/22 10:00 AM	False high level alarm at Mattawan P.S. -Received call for high level at the Mattawan Street pump station. When I arrived on site both pumps were running dry. The high alarm was activated but because it was false it was causing pumps to continuously run. Tried to troubleshoot the issue but concluded that entry must be done in order to further investigation. Operated pumps manually until Josh Dewaal started his shift. Hi Hi float was faulty. Replaced float with new one and watched cycle complete successfully.



Ontario Clean Water Agency
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Northeastern Ontario Region

MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix E - Performance Assessment Report Water

**Mattawa Drinking Water System
Performance Assessment Report Water**

Report extracted 05/13/2022 10:33

01/01/2022 to 31/03/2022

Facility: [1517] MATTAWA DRINKING WATER SYSTEM

Works: [210001905]

	01/2022	02/2022	03/2022	<--Total-->	<--Avg.-->	<--Max.-->	<--Min.-->
Flows:							
Raw Flow: Monthly Total - Well #1 (m³)	41736.62	38841.16	45716.77	126294.55			
Raw Flow: Monthly Total - Well #2 (m³)	3348.38	4087.57	4895.71	12331.66			
Raw Flow: Monthly Avg - Well #1 (m³/d)	1346.34	1387.18	1474.73		1402.75		
Raw Flow: Monthly Avg - Well #2 (m³/d)	108.01	145.98	157.93		137.31		
Raw Flow: Monthly Max - Well #1 (m³/d)	1510.04	1644.32	1966.49			1966.49	
Raw Flow: Monthly Max - Well #2 (m³/d)	417.61	424.17	362.03			424.17	
Raw Flow: Monthly Total - Raw Water - Total (m³)	45085	42928.73	50612.48	138626.21			
Raw Flow: Monthly Avg - Raw Water - Total (m³/d)	1454.35	1533.17	1632.66		1540.06		
Raw Flow: Monthly Max - Raw Water - Total (m³/d)	1675.83	1950.25	2130.68			2130.68	
Turbidity:							
Raw: Max Turbidity - Well #1 (NTU)	0.25	0.26	0.27			0.27	
Raw: Max Turbidity - Well #2 (NTU)	0.31	0.29	0.3			0.31	
Chemical Parameters:							
Treated: Max Nitrite - TW (mg/L)	< 0.1					< 0.1	
Treated: Max Nitrate - TW (mg/L)	1.53					1.53	
Distribution: Max THM - DW (µg/l)	< 2					< 2	
Chlorine Residuals:							
Treated: Min Free Cl2 Resid - TW (mg/L)	0.661	0.532	0.204				0.204
Treated: Max Free Cl2 Resid - TW (mg/L)	4.119	3.475	4.118			4.119	
Dist: Min Free Cl2 Resid - DW (mg/L)	0.826	0.754	0.214				0.214
Dist: Max Free Cl2 Resid - DW (mg/L)	2.481	2.953	3.387			3.387	
Bacti Samples Collected:							
Raw Bacti: # of samples - Well #1	4	4	5	13			
Raw Bacti: # of samples - Well #2	4	4	5	13			
Treated Bacti: # of samples - TW	4	4	5	13			
Dist Bacti: # of samples - DW	12	12	21	45			
Treated Bacti: # of TC exceedances - TW	0	0	0	0			
Treated Bacti: # of EC exceedances - TW	0	0	0	0			
Dist Bacti: # of TC exceedances - DW	0	0	0	0			
Dist Bacti: # of EC exceedances - DW	0	0	0	0			



Ontario Clean Water Agency
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Northeastern Ontario Region

MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix F - Performance Assessment Report Wastewater

**Mattawa Wastewater Treatment Lagoon
Performance Assessment Report Wastewater/Lagoon**

Report extracted 05/12/2022 11:42

01/01/2022 to 31/03/2022

Facility: [1541] MATTAWA WASTEWATER TREATMENT FACILITY

Works: [110000436]

	01/2022	02/2022	03/2022	<--Total-->	<--Avg.-->	<--Max.-->
Flows:						
Raw Flow: Total - Raw (m³)	25268.00	24673.00	32231.00	82172.00		
Raw Flow: Avg - Raw (m³/d)	815.10	881.18	1039.71		912.00	
Raw Flow: Max - Raw (m³/d)	1020.00	983.00	1481.00			1481.00
Eff. Flow: Total - Eff (m³)	25268.00	24673.00	32231.00	82172.00		
Eff. Flow: Avg - Eff (m³/d)	815.10	881.18	1039.71		912.00	
Eff. Flow: Max - Eff (m³/d)	1020.00	983.00	1481.00			1481.00
Carbonaceous Biochemical Oxygen Demand: CBOD:						
Eff: Avg cBOD5 - Eff (mg/L)	13.700	8.100	14.200		12.000	14.200
Eff: # of samples of cBOD5 - Eff (mg/L)	1	1	1	3		
Loading: cBOD5 - Eff (kg/d)	11.167	7.138	14.764		11.023	14.764
Biochemical Oxygen Demand: BOD5:						
Raw: Avg BOD5 - Raw (mg/L)	84.600	115.600	95.100		98.433	115.6
Raw: # of samples of BOD5 - Raw (mg/L)	1	1	1	3		
Eff: Avg BOD5 - Eff (mg/L)	16.400	9.300	14.500		13.400	16.400
Eff: # of samples of BOD5 - Eff (mg/L)	1	1	1	3		
Loading: BOD5 - Eff (kg/d)	13.368	8.195	15.076		12.213	15.076
Percent Removal: BOD5 - Raw (mg/L)	0.000	0.000	0.000			0.000
Total Suspended Solids: TSS:						
Raw: Avg TSS - Raw (mg/L)	143.000	158.000	138.000		146.333	158.000
Raw: # of samples of TSS - Raw (mg/L)	1	1	1	3		
Eff: Avg TSS - Eff (mg/L)	11.500	14.700	10.000		12.067	14.700
Eff: # of samples of TSS - Eff (mg/L)	1	1	1	3		
Loading: TSS - Eff (kg/d)	9.374	12.953	10.397		10.908	12.953
Percent Removal: TSS - Raw (mg/L)	0.000	0.000	0.000			0.000
Total Phosphorus: TP:						
Raw: Avg TP - Raw (mg/L)	3.030	2.85	2.260		2.713	3.030
Raw: # of samples of TP - Raw (mg/L)	1	1	1	3		
Eff: Avg TP - Eff (mg/L)	1.188	1.373	1.736		1.432	1.736
Eff: # of samples of TP - Eff (mg/L)	4	4	5	13		
Loading: TP - Eff (kg/d)	0.962	1.172	1.643		1.259	1.643
Percent Removal: TP - Raw (mg/L)	0.000	0.000	0.000			0.000
Nitrogen Series:						
Eff: Avg TAN - Eff (mg/L)	17.233	18.000	16.540		17.258	18.000
Eff: Avg NO3-N - Eff (mg/L)	< 1.000	< 1.000	49.900		< 17.300	49.900
Eff: # of samples of NO3-N - Eff (mg/L)	1	1	1	3		
Eff: Avg NO2-N - Eff (mg/L)	< 0.100	< 0.100	9.950		< 3.383	9.950
Eff: # of samples of NO2-N - Eff (mg/L)	1	1	1	3		
Disinfection:						