

SYSTEM OVERVIEW

January 1st to March 31st, 2021

OPERATIONAL HIGHLIGHTS

Drinking Water System

- The water treatment system operated well during the first quarter.
- Sodium hypochlorite transfer pump was failing. Replacement ordered.

Wastewater Treatment

- The wastewater treatment system performed well during the first quarter.
- Blower motor failed following power bump. Suspected rebuild to be required; however, further troubleshooting revealed a burnt and loose wire. Wire repaired and the blower brought back online.

CAPITAL PLAN PROGRESS

Drinking Water System

- Pressure switch on pump #1 failed and was replaced.

Wastewater Treatment System

- New pump panel was installed last year at Blake Station, which has the ability to calculate flow based on off pump run time and dimensions of wet well. Flows were verified with the lagoon flow meter. This will act as redundancy in the case of lagoon flow meter failure.
- Temporary flow meter installed at the lagoon as the broken flow meter was removed and shipped out for repair.

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 2021 and all results fell within regulatory limits.
- Ministry of the Environment, Conservation and Parks (MECP) inspection took place on November 17, 2020. Final inspection rating of 99.04% with one non-compliance and zero best practice recommendations identified.
- 2020 annual report completed January 18, 2021.
- Permit to take Water (PTTW) reporting completed January 27, 2021.
- Quarterly trihalomethanes (THM), haloacetic acids (HAA), Nitrate and Nitrite sampling completed January 12, 2021.
- The Town of Mattawa submitted letter (by certified engineer) to MECP showing that the current pressure monitoring system installed at the Mattawa WTP should be sufficient to provide an immediate alert in case of drop of water pressure in the 15" watermain crossing the Mattawa River and the lines that feed off of it and prompt an appropriate action by the operating authority and the Municipality. The Town was asked to consider future replace through an application to ICIP funds.
- No MECP or Ministry of Labour (MOL) inspections conducted this quarter.
- All required sewage samples required under the system's Environmental Compliance Approval (ECA) were collected and tested in the first quarter of 2021.
- 2020 annual sewage report completed February 12, 2021.
- Annual WSER reporting completed.

INCIDENTS AND COMPLAINTS

Mattawa Drinking Water System

Incident	Community Complaint - 411 Eighth Street
Date	February 18, 2021
Details	Resident (Tamara Franke) mentioned rusty water at residence. Other users in area not noticing rusty water must be isolated incident. There is a hydrant very close to 411 Eighth Street, which was flushed and sampled on February 18, 2021. Sample results indicated zero EC and TC. Flushing appears to have helped, as Resident mentioned water was clear after flushing.

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 Fire Safety when Working with Gas Equipment.
- 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



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, 2021 12:00 AM

Report End Date: Mar 31, 2021 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
2175536			Mattawa DWS	CAP	Refurbish/ Replace/Repair	0		Blind flange and parts for uv2 maintenance	COMP		4/12/21 12:07 PM	4/12/21 12:07 PM	Parts have been purchased - take apart and replace gaskets - removed 12" stainless elbow and checked butterfly valve. Valve ok. cleaned faces on flanges sprayed with rust primer on outer flange reinstalled with new gaskets. no leaks. TF April 21/21
2093460			1517, Mattawa DWS	CORR	Refurbish/ Replace/Repair	0		Well # 1 high pressure switch replacement -1517	COMP		3/30/21 10:02 AM	3/30/21 10:02 AM	
2130374			1517, Mattawa DWS	OPER	Refurbish/ Replace/Repair	0		Emergency Water off @ 305 Pine St.	COMP		2/3/21 08:02 AM	2/3/21 08:11 AM	Emergency Water off @ 305 Pine St. -Called at 1600 for @ 305 Pine St, for emergency water off due to water in basement. Arrived at 1630, found the curbstop and shut it off. Water turned back on at 1647.
2130766	0000328825	UPS SCADA PLC	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	0		Replacement UPS For PLC Panel @ WTP- 1517	COMP		2/4/21 12:22 PM	2/4/21 12:22 PM	Replacement UPS For PLC Panel @ WTP- 1517 -UPS was ordered January 07-21 From staples @ \$199.99. Received the UPS on January 12/21. And has been installed. JD
2173340	0000328777	VALVE BUTTERFLY DISCHARGE ISOLATION UV #2	1517, Mattawa DWS	CORR	Refurbish/ Replace/Repair	0		Leaking Isolation Valve Flange / Gasket	COMP		3/30/21 09:41 AM	3/30/21 09:41 AM	Leaking Isolation Valve Flange / Gasket -While attempting to do maintenance to UV #2, closed isolation valve. Isolation valve started leaking from the flange/ gasket area. Reopened the valve and the leak stopped. Asked mechanic for input on the leak. He suggested removing from flange to flange and replace flange gaskets, cleaning up the flanges and asses and repair any issues with the flange.
2074507	0000328763	ANALYZER TURBIDITY PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Turbidity Analyzer Calibration (1m) 1517	COMP	1/1/21 12:00 AM	3/2/21 12:27 PM	3/2/21 12:27 PM	
2074527	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	1/1/21 12:00 AM	3/2/21 12:27 PM	3/2/21 12:27 PM	

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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
2160297			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1517	COMP	3/1/21 12:00 AM	3/30/21 09:45 AM	3/30/21 09:45 AM	
2160306			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	3/1/21 12:00 AM	3/30/21 09:44 AM	3/30/21 09:44 AM	
2160317	0000328772	TANK STORAGE HOT WATER	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Hot Water Insp. (1y) - 1517	COMP	3/1/21 12:00 AM	3/30/21 09:21 AM	3/30/21 09:21 AM	
2160322	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	3/1/21 12:00 AM	3/30/21 10:32 AM	3/30/21 10:32 AM	
2160409			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	3/1/21 12:00 AM	3/30/21 10:29 AM	3/30/21 10:29 AM	
2160211	0000328770	UV LIGHT REACTOR #1	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	3/1/21 12:00 AM	3/30/21 09:36 AM	3/30/21 09:36 AM	
2160214	0000328771	UV LIGHT REACTOR #2	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	3/1/21 12:00 AM	3/30/21 09:37 AM	3/30/21 09:37 AM	
2160217	0000328765	ANALYZER CHLORINE UNIT #3 PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Portable chlorine Analyzer #3 Calibration (1m) 1517	COMP	3/1/21 12:00 AM	3/30/21 10:27 AM	3/30/21 10:27 AM	
2160260			1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	UVR Service (Spring & Fall) 1517	COMP	3/1/21 12:00 AM	3/30/21 09:41 AM	3/30/21 09:41 AM	
2160267	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	3/1/21 12:00 AM	3/30/21 10:32 AM	3/30/21 10:32 AM	
2160288			1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Actuator Electric Inspection/Service (1y) 1517	COMP	3/1/21 12:00 AM	3/30/21 10:22 AM	3/30/21 10:22 AM	
2118166			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	2/1/21 12:00 AM	3/2/21 12:22 PM	3/2/21 12:22 PM	
2118179			1517, Mattawa DWS	PM	Inspection	1	YEARS	Ups Battery Bank Insp/Service (1y) 1517	COMP	2/1/21 12:00 AM	3/30/21 10:07 AM	3/30/21 10:07 AM	
2118186	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	2/1/21 12:00 AM	3/30/21 10:23 AM	3/30/21 10:23 AM	
2118319			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	2/1/21 12:00 AM	3/30/21 10:22 AM	3/30/21 10:22 AM	
2160203	0000328763	ANALYZER TURBIDITY PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Turbidity Analyzer Calibration (1m) 1517	COMP	3/1/21 12:00 AM	3/30/21 10:28 AM	3/30/21 10:28 AM	
2160208	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	3/1/21 12:00 AM	3/30/21 09:20 AM	3/30/21 09:20 AM	

Workorder Summary Report

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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
2118080	0000328770	UV LIGHT REACTOR #1	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	2/1/21 12:00 AM	3/30/21 10:07 AM	3/30/21 10:07 AM	
2118083	0000328771	UV LIGHT REACTOR #2	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	2/1/21 12:00 AM	3/30/21 10:06 AM	3/30/21 10:06 AM	
2118086	0000328765	ANALYZER CHLORINE UNIT #3 PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Portable chlorine Analyzer #3 Calibration (1m) 1517	COMP	2/1/21 12:00 AM	3/30/21 10:27 AM	3/30/21 10:27 AM	
2118129			1517, Mattawa DWS	PM	Inspection	6	MONTHS	CL2 sensor change Electrolyte and membrane cap (POE) (6m) 1517	COMP	2/1/21 12:00 AM	3/30/21 10:29 AM	3/30/21 10:29 AM	
2118136	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	2/1/21 12:00 AM	3/30/21 09:18 AM	3/30/21 09:18 AM	
2118157			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1517	COMP	2/1/21 12:00 AM	3/30/21 10:06 AM	3/30/21 10:06 AM	
2074953			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	1/1/21 12:00 AM	3/30/21 10:01 AM	3/30/21 10:01 AM	
2080699			1517, Mattawa DWS	PM	Health and Safety	1	YEARS	WHMIS/MSDS/NSF Review and Update (1y) 1517	COMP	1/1/21 12:00 AM	1/27/21 02:44 PM	1/27/21 02:44 PM	
2118054			1517, Mattawa DWS	PM	Inspection	6	MONTHS	CL2 sensor change Electrolyte and membrane cap (6m) 1517	COMP	2/1/21 12:00 AM	3/30/21 10:31 AM	3/30/21 10:31 AM	
2118061	0000328787	ANALYZER UV TRANSMITTANCE	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	3	MONTHS	UV Transmitter Optiview calibration (3m) 1517	COMP	2/1/21 12:00 AM	3/30/21 10:31 AM	3/30/21 10:31 AM	
2118072	0000328763	ANALYZER TURBIDITY PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Turbidity Analyzer Calibration (1m) 1517	COMP	2/1/21 12:00 AM	3/30/21 10:26 AM	3/30/21 10:26 AM	
2118077	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	2/1/21 12:00 AM	3/2/21 12:26 PM	3/2/21 12:26 PM	
2074660	0000328802	PUMP DIAPHRAGM 02 SODIUM HYPOCHLORITE	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Diaphragm Inspection (1y) 1517	COMP	1/1/21 12:00 AM	3/30/21 09:35 AM	3/30/21 09:35 AM	
2074666			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	1/1/21 12:00 AM	3/30/21 10:01 AM	3/30/21 10:01 AM	
2074679			1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Annual Facility Valves Inspection (1y) 1517	COMP	1/1/21 12:00 AM	1/27/21 03:26 PM	1/27/21 03:26 PM	
2074686	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	1/1/21 12:00 AM	1/27/21 03:27 PM	1/27/21 03:27 PM	

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Work Order Type: CAP,CORR,OPER,PM

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
2074691	0000328757	VALVE RELIEF	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Valve Relief Air Insp/Service (1y) 1517	COMP	1/1/21 12:00 AM	1/27/21 03:27 PM	1/27/21 03:27 PM	
2074694	0000328762	VALVE RELIEF	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Valve Relief Air Insp/Service (1y) 1517	COMP	1/1/21 12:00 AM	1/27/21 03:28 PM	1/27/21 03:28 PM	
2074530	0000328770	UV LIGHT REACTOR #1	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	1/1/21 12:00 AM	3/30/21 09:14 AM	3/30/21 09:14 AM	
2074533	0000328771	UV LIGHT REACTOR #2	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	1/1/21 12:00 AM	3/30/21 09:15 AM	3/30/21 09:15 AM	
2074536	0000328765	ANALYZER CHLORINE UNIT #3 PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Portable chlorine Analyzer #3 Calibration (1m) 1517	COMP	1/1/21 12:00 AM	3/30/21 10:30 AM	3/30/21 10:30 AM	
2074619	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	1/1/21 12:00 AM	3/30/21 10:00 AM	3/30/21 10:00 AM	
2074640			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1517	COMP	1/1/21 12:00 AM	3/30/21 10:00 AM	3/30/21 10:00 AM	
2074654	0000328801	PUMP DIAPHRAGM 01 SODIUM HYPOCHLORITE	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Diaphragm Inspection (1y) 1517	COMP	1/1/21 12:00 AM	3/30/21 09:35 AM	3/30/21 09:35 AM	



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

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, 2021 12:00 AM
Report End Date: Mar 31, 2021 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
2176067			1541, Mattawa Wastewater System	CAP	Refurbish/ Replace/Repair	0		1541 configure new soft starts	COMP		3/19/21 12:35 PM	3/19/21 12:35 PM	1541 configure new soft starts -operator reported new pump soft starts needed reset's after brown out conditions , found restart after fault parameter set to off (factory default setting)) turn parameter on to allow 6 restart attempts at 60 sec intervals
2173528	0000328855	METER FLOW	1541, Mattawa Wastewater System	CORR	Refurbish/ Replace/Repair	0		Repairs to STP flow meter	COMP		3/4/21 12:13 PM	4/12/21 03:20 PM	-
2074756			1541, Mattawa Wastewater System	PM	Inspection	1	YEARS	Lifting Equipment Inspection Route (1y) 1541	COMP	1/1/21 12:00 AM	2/25/21 10:10 AM	2/25/21 10:10 AM	
2074763			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	1/1/21 12:00 AM	1/27/21 03:31 PM	1/27/21 03:31 PM	
2074777			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	1/1/21 12:00 AM	3/23/21 09:24 AM	3/23/21 09:24 AM	
2074811	0000328869	TRANSFORMER AIR	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	3	YEARS	Transformer Air Insp/Service (3y) 1541	COMP	1/1/21 12:00 AM	1/27/21 03:33 PM	1/27/21 03:33 PM	
2164153			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	3/1/21 12:00 AM	3/30/21 09:59 AM	3/30/21 09:59 AM	
2172693	0000328887	VALVE SLUICE GATE DIVERSION CHAMBER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Sluice Gate Inspection (1y) 1541	COMP	4/1/21 12:00 AM	3/30/21 09:31 AM	3/30/21 09:31 AM	
2173216	0000328901	GENERATOR ELECTRIC DIESEL	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	3/3/21 12:00 AM	3/30/21 09:24 AM	3/30/21 09:24 AM	
2175412	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	3/16/21 12:00 AM	3/30/21 09:29 AM	3/30/21 09:29 AM	
2122132			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	2/1/21 12:00 AM	3/30/21 09:32 AM	3/30/21 09:32 AM	
2132456	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	2/16/21 12:00 AM	3/23/21 09:26 AM	3/23/21 09:26 AM	
2134309	0000328874	GENERATOR ELECTRIC DIESEL BACKUP POWER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	2/27/21 12:00 AM	3/2/21 12:25 PM	3/2/21 12:25 PM	
2134318			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 1541	COMP	2/27/21 12:00 AM	3/23/21 09:26 AM	3/23/21 09:26 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
2160347			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	3/1/21 12:00 AM	3/30/21 09:28 AM	3/30/21 09:28 AM	
2160354			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	3/1/21 12:00 AM	3/30/21 09:29 AM	3/30/21 09:29 AM	
2093227	0000328901	GENERATOR ELECTRIC DIESEL	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	1/21/21 12:00 AM	2/3/21 12:23 PM	2/3/21 12:23 PM	
2094117	0000328842	GENERATOR ELECTRIC DIESEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	1/28/21 12:00 AM	3/23/21 09:24 AM	3/23/21 09:24 AM	
2118225			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	2/1/21 12:00 AM	3/23/21 09:25 AM	3/23/21 09:25 AM	
2118232	0000328891	PUMP PERISTALTIC 01	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Peristaltic 01 Alum Insp/ Service (1y) - 1541	COMP	2/1/21 12:00 AM	3/30/21 09:33 AM	3/30/21 09:33 AM	
2118249	0000328892	PUMP PERISTALTIC 02	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Peristaltic 01 Alum Insp/ Service (1y) - 1541	COMP	2/1/21 12:00 AM	3/30/21 09:34 AM	3/30/21 09:34 AM	
2118266			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	2/1/21 12:00 AM	3/2/21 12:23 PM	3/2/21 12:23 PM	
2074814	0000328844	TRANSFORMER AIR 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	3	YEARS	Transformer Air Insp/Service (3y) 1541	COMP	1/1/21 12:00 AM	1/27/21 03:34 PM	1/27/21 03:34 PM	
2074817	0000328906	TRANSFORMER AIR LTG TRANSF	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	3	YEARS	Transformer Air Insp/Service (3y) 1541	COMP	1/1/21 12:00 AM	1/27/21 03:34 PM	1/27/21 03:34 PM	
2079761			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	1/1/21 12:00 AM	3/30/21 09:27 AM	3/30/21 09:27 AM	
2080706			1541, Mattawa Wastewater System	PM	Health and Safety	1	YEARS	WHMIS/MSDS/NSF Review and Update (1y) 1541	COMP	1/1/21 12:00 AM	1/27/21 02:49 PM	1/27/21 02:49 PM	
2092603	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	1/16/21 12:00 AM	1/27/21 03:36 PM	1/27/21 03:36 PM	
2093224	0000328874	GENERATOR ELECTRIC DIESEL BACKUP POWER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	1/21/21 12:00 AM	1/27/21 03:35 PM	1/27/21 03:35 PM	



Ontario Clean Water Agency
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Northeastern Ontario Region

MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix C – Call-out Report for WTP

Workorder Summary Report

Report Start Date: Jan 1, 2021 12:00 AM

Report End Date: Mar 31, 2021 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
2176762			1517, Mattawa DWS	CALL	Administrative	0		Water on 450 mattawan st mattawa 1517	COMP		3/18/21 06:00 PM	3/18/21 09:00 PM	Water on 450 mattawan st mattawa 1517 - Called by Josh D at 1802 for a water on to residence across from blake st pump station. contractor onsite. arrived at 1920 to turn water on. turned water on confirmed with contractor all good. TF Mar18,2021
2130370			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Emergency Water off 380 Main St- 1517	COMP		2/3/21 07:49 AM	2/3/21 08:00 AM	Emergency Water off 380 Main St- 1517 -Called for emergency water off on January 22/21, at 2050by Tim, for assistance to shut off water. Arrived at 2115, No water on the road or sidewalk as text message from call center said. Spoke with the building repair person. Water was coming in the basement and they had no water. I checked the stand pipe, could not hear any noise. Checked the basement, water had stopped coming in. I attempted to contact Barry Jackson with public work and could not get a hold of him, I left a message with all the details. Spoke with tim, and the building repair person. It was to be addressed by Barry in the morning.
2173500			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Water on @ 411 Bissett st	COMP		2/23/21 05:00 PM	2/23/21 06:00 PM	Water on @ 411 Bissett st -Called by Town of Mattawa call centre for water on @ 411 Bissett st, Called the plumber that needed the work done, they had finished the repair to the service and needed water back on. Arrived at 411 b issett st. to find out that the plumber onsite was not ready for the water to be turned on and that they would not be ready tonight as there were more leaks further within the ground. JD

Workorder Summary Report

Report Start Date: Jan 1, 2021 12:00 AM

Report End Date: Mar 31, 2021 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
2178277	0000328787	ANALYZER UV TRANSMITTANCE	1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Opti View Failure	COMP				Opti View Failure -Called by true steel for PLC fail at the water plant, Tried to remote access, and could not. When I arrived I checked the SCADA and found an issue with the UVT meter (optiveiw). Checked the optiview, it was in alarm for system needed cleaning. I cleaned and calibrated the system, this did not worked. I checked the bulb and it was bad, I changed the bulb and calibrated once again. All ok once restarted. Out at 2020, March 21/21



Ontario Clean Water Agency
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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, 2021 12:00 AM

Report End Date: Mar 31, 2021 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
2176765			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		high level alarm 601 Mckenzie ps	COMP		3/21/21 11:45 PM	3/22/21 03:00 AM	high level alarm 601 Mckenzie ps - Called by Josh D at 2356 for high level alarm at 601 mckenzie. arrived at 0100 started pump1 reset pump 2 pump 2 started drew station down out of alarm. wetwell level did not get over platform. TF March 21,2021 high level alarm 601 Mckenzie ps -Work Order now complete.



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MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix E - Performance Assessment Report Water

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

Report extracted 05/14/2021 11:37

From: 01/01/2021 to 31/03/2021

Facility: [1517] MATTAWA DRINKING WATER SYSTEM

Works: [210001905]

	01/2021	02/2021	03/2021	<--Total-->	<--Avg.-->	<--Max.-->	<--Min.-->
Flows:							
Raw Flow: Monthly Total - Well #1 (m³)	37760.25	32492.64	35148.53	105401.42			
Raw Flow: Monthly Total - Well #2 (m³)	4917.35	4736.65	5684.09	15338.09			
Raw Flow: Monthly Avg - Well #1 (m³/d)	1218.07	1160.45	1133.82		1170.78		
Raw Flow: Monthly Avg - Well #2 (m³/d)	158.62	169.17	183.36		170.38		
Raw Flow: Monthly Max - Well #1 (m³/d)	1589.93	1396.92	1425.56			1589.93	
Raw Flow: Monthly Max - Well #2 (m³/d)	437.4	448.96	460.53			460.53	
Raw Flow: Monthly Total - Raw Water - Total (m³)	42677.6	37229.29	40832.62	120739.51			
Raw Flow: Monthly Avg - Raw Water - Total (m³/d)	1376.7	1329.62	1317.18		1341.17		
Raw Flow: Monthly Max - Raw Water - Total (m³/d)	1693.13	1547.97	1655.35			1693.13	
Turbidity:							
Raw: Max Turbidity - Well #1 (NTU)	0.28	0.3	0.3			0.3	
Raw: Max Turbidity - Well #2 (NTU)	0.25	0.28	0.31			0.31	
Chemical Parameters:							
Treated: Max Nitrite - TW (mg/L)	< 0.1					< 0.1	
Treated: Max Nitrate - TW (mg/L)	1.34					1.34	
Distribution: Max THM - DW (µg/l)	3.99					3.99	
Chlorine Residuals:							
Treated: Min Free Cl2 Resid - TW (mg/L)	0.024	0.195	0.365				0.024
Treated: Max Free Cl2 Resid - TW (mg/L)	4.119	4.119	4.119			4.119	
Dist: Min Free Cl2 Resid - DW (mg/L)	0.431	0.503	0.537				0.431
Dist: Max Free Cl2 Resid - DW (mg/L)	2.653	2.613	2.418			2.653	
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	13	15	40			
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			

Appendix F - Performance Assessment Report Wastewater

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

Report extracted 05/14/2021 11:38

From: 01/01/2021 to 31/03/2021

Facility: [1541] MATTAWA WASTEWATER TREATMENT FACILITY

Works: [110000436]

	01/2021	02/2021	03/2021	<--Total-->	<--Avg.-->	<--Max.-->	
Flows:							
Raw Flow: Total - Raw (m³)	18615.00	24893.00	41070.00	84578.00			
Raw Flow: Avg - Raw (m³/d)	600.48	889.04	1324.84		938.12		
Raw Flow: Max - Raw (m³/d)	793.00	1105.00	2479.00			2479.00	
Eff. Flow: Total - Eff (m³)	18615.00	24893.00	41070.00	84578.00			
Eff. Flow: Avg - Eff (m³/d)	600.48	889.04	1324.84		938.12		
Eff. Flow: Max - Eff (m³/d)	793.00	1105.00	2479.00			2479.00	
Carbonaceous Biochemical Oxygen Demand: CBOD:							
Eff: Avg cBOD5 - Eff (mg/L)	2.700	10.000	4.300		5.667	10.000	
Eff: # of samples of cBOD5 - Eff (mg/L)	1	1	1	3			
Loading: cBOD5 - Eff (kg/d)	1.621	8.890	5.697		5.403	8.890	
Biochemical Oxygen Demand: BOD5:							
Raw: Avg BOD5 - Raw (mg/L)	144.200	237.000	137.600		172.933	237.000	
Raw: # of samples of BOD5 - Raw (mg/L)	1	1	1	3			
Eff: Avg BOD5 - Eff (mg/L)	5.800	126.350	7.100		46.417	126.350	
Eff: # of samples of BOD5 - Eff (mg/L)	1	1	1	3			
Loading: BOD5 - Eff (kg/d)	3.483	13.958	9.406		8.949	13.958	
Percent Removal: BOD5 - Raw (mg/L)	0.000	0.000	0.000			0.000	
Total Suspended Solids: TSS:							
Raw: Avg TSS - Raw (mg/L)	133.000	157.000	155.000		148.333	157.000	
Raw: # of samples of TSS - Raw (mg/L)	1	1	1	3			
Eff: Avg TSS - Eff (mg/L)	17.500	87.250	14.500		39.750	87.250	
Eff: # of samples of TSS - Eff (mg/L)	1	1	1	3			
Loading: TSS - Eff (kg/d)	10.508	15.558	19.210		15.092	19.210	
Percent Removal: TSS - Raw (mg/L)	0.000	0.000	0.000			0.000	
Total Phosphorus: TP:							
Raw: Avg TP - Raw (mg/L)	3.860	2.990	3.190		3.347	3.860	
Raw: # of samples of TP - Raw (mg/L)	1	1	1	3			
Eff: Avg TP - Eff (mg/L)	1.790	1.926	1.402		1.706	1.926	
Eff: # of samples of TP - Eff (mg/L)	4	4	5	13			
Loading: TP - Eff (kg/d)	1.165	1.485	1.828		1.493	1.828	
Percent Removal: TP - Raw (mg/L)	0.000	0.000	0.000			0.000	
Nitrogen Series:							
Eff: Avg TAN - Eff (mg/L)	15.600	18.450	15.780		16.610	18.450	
Eff: Avg NO3-N - Eff (mg/L)	< 1.000	< 1.000	< 1.000		< 1.000	< 1.000	
Eff: # of samples of NO3-N - Eff (mg/L)	1	1	1	3			
Eff: Avg NO2-N - Eff (mg/L)	< 0.100	< 0.100	< 0.100		< 0.100	< 0.100	
Eff: # of samples of NO2-N - Eff (mg/L)	1	1	1	3			