

SYSTEM OVERVIEW

July 1st to September 30th , 2023

OPERATIONAL HIGHLIGHTS

Drinking Water System

- The water treatment system operated well during the third quarter.
- 371 Louis St. - Town of Mattawa Public Works staff completed a service line repair on August 17, 2023. Leak was at the curb stop. So they made the repair there. Public Works staff was able to keep the pressure above 20 psi, they notified all affected residents. Approx. 16 houses affected by the lower water pressure. After repair lines were flushed and checked for chlorine residual to ensure proper disinfection.
- 398 McKenzie St. – On August 30, 2023, the Town of Mattawa Public Works staff completed a water service repair/replacement. They dug down and assessed the condition of the copper and made repair. Once the repair was made they flushed the service and made sure proper disinfection is restored. They completed the work with no disruption to surrounding services and no lowering of water pressure.
- New internet service installed. Faster speeds expected to eliminate nuisance communication loss alarms.
- Mattawa's consultant JP2G prepared a report after divers reviewed infrastructure following flooding this spring. The report recommends trenching the watermain crossing to prevent future flood damage from recurring.

Wastewater Treatment

- The wastewater treatment system performed well during the third quarter.
- Sewage lift stations cleaned.

CAPITAL PLAN PROGRESS

Drinking Water System

- Purchase ultrasonic flowmeter. New flowmeter is proving to be very successful at correcting the erratic readings of the magnetic flowmeter. Ultrasonic flowmeter is not negatively affected by changes in conductivity due to sodium hypochlorite injection upstream. Form 2 and Director's Notification completed.

Wastewater Treatment

- 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 third quarter of 2023 and all results fell within regulatory limits.
- There was no Ministry of the Environment, Conservation and Parks (MECP) or Ministry of Labour (MOL) inspections conducted this quarter.
- Quarterly trihalomethanes (THM), haloacetic acids (HAA), Nitrate and Nitrite sampling completed July 26, 2023.
- Annual above ground well inspections completed June 8, 2023, for both wells.
- Operational Plan updated June 26, 2023 due to recent internal audit findings.
- Annual contingency test/review on CP-06 Security Breach completed on September 15, 2023.
- All sewage samples required under the system's C of A collected and tested in the third quarter of 2023.

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 FEP Binder.
- Staff training completed on SDS/MSDS.
- Staff training completed on Lone Worker Protection.

MATTAWA DRINKING WATER SYSTEM PERFORMANCE

See Appendix E – Performance Assessment Report Water

MATTAWA WASTEWATER TREATMENT LAGOON – WASTEWATER FLOW SUMMARY

See Appendix E – Performance Assessment Report Wastewater



Ontario Clean Water Agency
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MATTAWA WATER & WASTEWATER SYSTEMS QUARTERLY OPERATIONS REPORT

Appendix A - Work Order Summary for WTP

Workorder Summary Report

Report Start Date: Jul 1, 2023 12:00 AM

Report End Date: Sep 30, 2023 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
3461143	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	7/1/23 12:00 AM	10/13/23 08:05 AM	10/13/23 08:05 AM	Generator Monthly Test (1m) 1517 - Completed generator monthly check All OK
3461146			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	7/1/23 12:00 AM	10/13/23 08:03 AM	10/13/23 08:03 AM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 - Competed UV reference sensor check, UV 1 Passed
3461151			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	7/1/23 12:00 AM	10/13/23 08:04 AM	10/13/23 08:04 AM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 - Competed UV reference sensor check, UV 2 Passed
3461156	0000349404	ANALYZER UV REFERENCE #1	1517, Mattawa DWS	PM	Calibration	0		0000349404 ANALYZER UV REFERENCE #1	COMP	7/1/23 12:00 AM	10/13/23 08:04 AM	10/13/23 08:04 AM	
3461161	0000349405	ANALYZER UV REFERENCE #2	1517, Mattawa DWS	PM	Calibration	0		0000349405 ANALYZER UV REFERENCE #2	COMP	7/1/23 12:00 AM	10/13/23 08:04 AM	10/13/23 08:04 AM	
3461166	0000349406	ANALYZER UV #2 DUTY #1	1517, Mattawa DWS	PM	Calibration	0		0000349406 ANALYZER UV #2 DUTY #1	COMP	7/1/23 12:00 AM	10/13/23 08:04 AM	10/13/23 08:04 AM	
3461171	0000349408	ANALYZER UV #2 DUTY #2	1517, Mattawa DWS	PM	Calibration	0		0000349408 ANALYZER UV #2 DUTY #2	COMP	7/1/23 12:00 AM	10/13/23 08:04 AM	10/13/23 08:04 AM	
3461231			1517, Mattawa DWS	PM	Inspection	3	MONTHS	Replace UV Air Filters 1517	COMP	7/1/23 12:00 AM	10/13/23 08:03 AM	10/13/23 08:03 AM	Replace UV Air Filters 1517 - Changed all 4 filters on both units
3461239	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	7/1/23 12:00 AM	10/13/23 08:07 AM	10/13/23 08:07 AM	UVT Analyzer calibration to yellow box (1m) 1517 - Verified Optview to Yellow box, Within specs
3461260			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Critical Alarm Dialer Route (1m) - 1517	COMP	7/1/23 12:00 AM	10/13/23 08:07 AM	10/13/23 08:07 AM	
3461269			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	7/1/23 12:00 AM	10/13/23 08:08 AM	10/13/23 08:08 AM	Health And Safety Inspection (1m) 1517 - Completed at time of generator check, all OK, no outstanding issues noted
3461282	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	7/1/23 12:00 AM	10/13/23 08:08 AM	10/13/23 08:08 AM	Valve Regulating Inspection (1m) 1517 - Valves visually inspected weekly and operated monthly, all ok no issues

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3461439			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	7/1/23 12:00 AM	10/13/23 08:10 AM	10/13/23 08:10 AM	Analyzer Chlorine Inspection/ Service (1m) 1517 - All OK, no issues found at this time
3506712			1517, Mattawa DWS	PM	Inspection	6	MONTHS	CL2 sensor change Electrolyte and membrane cap (6m) 1517	COMP	8/1/23 12:00 AM	10/13/23 08:11 AM	10/13/23 08:11 AM	CL2 sensor change Electrolyte and membrane cap (6m) 1517 - CHanged electrolyte, cleaned flow cell, all ok
3506719	0000328787	ANALYZER UV TRANSMITTANCE	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	3	MONTHS	UV Transmitter Optiview calibration (3m) 1517	COMP	8/1/23 12:00 AM	10/13/23 08:12 AM	10/13/23 08:12 AM	UV Transmitter Optiview calibration (3m) 1517 - Verified Optiview to Yellow box, Yellow box 99.9/ Optiview 99.8. within specs all ok
3506730	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	8/1/23 12:00 AM	10/13/23 08:12 AM	10/13/23 08:12 AM	Generator Monthly Test (1m) 1517 - Monthly generator test completed all oK
3506733			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	8/1/23 12:00 AM	10/13/23 08:13 AM	10/13/23 08:13 AM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 - UV reference sensor check completed, UV 1 Passed, all OK
3506736			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	8/1/23 12:00 AM	10/13/23 08:14 AM	10/13/23 08:14 AM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 - UV reference sensor check completed, UV 2 Passed, all OK
3506739	0000349404	ANALYZER UV REFERENCE #1	1517, Mattawa DWS	PM	Calibration	0		0000349404 ANALYZER UV REFERENCE #1	COMP	8/1/23 12:00 AM	10/13/23 08:14 AM	10/13/23 08:14 AM	
3506742	0000349405	ANALYZER UV REFERENCE #2	1517, Mattawa DWS	PM	Calibration	0		0000349405 ANALYZER UV REFERENCE #2	COMP	8/1/23 12:00 AM	10/13/23 08:14 AM	10/13/23 08:14 AM	
3506745	0000349406	ANALYZER UV #2 DUTY #1	1517, Mattawa DWS	PM	Calibration	0		0000349406 ANALYZER UV #2 DUTY #1	COMP	8/1/23 12:00 AM	10/13/23 08:14 AM	10/13/23 08:14 AM	
3506748	0000349408	ANALYZER UV #2 DUTY #2	1517, Mattawa DWS	PM	Calibration	0		0000349408 ANALYZER UV #2 DUTY #2	COMP	8/1/23 12:00 AM	10/13/23 08:14 AM	10/13/23 08:14 AM	
3506809			1517, Mattawa DWS	PM	Inspection	6	MONTHS	CL2 sensor change Electrolyte and membrane cap (POE) (6m) 1517	COMP	8/1/23 12:00 AM	10/13/23 08:14 AM	10/13/23 08:14 AM	CL2 sensor change Electrolyte and membrane cap (POE) (6m) 1517 - Cleaned flow cell, changed electrolye and cap. 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
3506816	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	8/1/23 12:00 AM	10/13/23 08:15 AM	10/13/23 08:15 AM	UVT Analyzer calibration to yellow box (1m) 1517 - Verified Optiview to Yellwo box, Within specs, All OK
3506837			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Critical Alarm Dialer Route (1m) - 1517	COMP	8/1/23 12:00 AM	10/13/23 08:15 AM	10/13/23 08:15 AM	
3506846			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	8/1/23 12:00 AM	10/13/23 08:16 AM	10/13/23 08:16 AM	Health And Safety Inspection (1m) 1517 - checkedall buildings, all OK, Gathered salt and snow shovels in prep for winter.
3506859	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	8/1/23 12:00 AM	10/13/23 08:17 AM	10/13/23 08:17 AM	Valve Regulating Inspection (1m) 1517 - All valves operating as they should
3506933			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	8/1/23 12:00 AM	10/13/23 08:18 AM	10/13/23 08:18 AM	Analyzer Chlorine Inspection/ Service (1m) 1517 - Analyzer compared to Hand held unit, Within 5% difference all ok
3514094	0000349401	PUMP DIAPHRAGM 03 SODIUM HYPOCHLORITE	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Diaphragm Inspection (1y) 1517	COMP	8/1/23 12:00 AM	10/13/23 08:19 AM	10/13/23 08:19 AM	
3552512	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	9/1/23 12:00 AM	10/13/23 08:20 AM	10/13/23 08:20 AM	Generator Monthly Test (1m) 1517 - Monthly generator test completed all OK
3552515			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	9/1/23 12:00 AM	11/15/23 11:18 AM	11/15/23 11:18 AM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 - UV #1 passed monthly reference check 0.95
3552518			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	9/1/23 12:00 AM	11/15/23 11:20 AM	11/15/23 11:20 AM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 - UV #2 reference check completed passed 0.85
3552521	0000349404	ANALYZER UV REFERENCE #1	1517, Mattawa DWS	PM	Calibration	0		0000349404 ANALYZER UV REFERENCE #1	COMP	9/1/23 12:00 AM	11/15/23 11:20 AM	11/15/23 11:20 AM	
3552524	0000349405	ANALYZER UV REFERENCE #2	1517, Mattawa DWS	PM	Calibration	0		0000349405 ANALYZER UV REFERENCE #2	COMP	9/1/23 12:00 AM	11/15/23 11:20 AM	11/15/23 11:20 AM	
3552527	0000349406	ANALYZER UV #2 DUTY #1	1517, Mattawa DWS	PM	Calibration	0		0000349406 ANALYZER UV #2 DUTY #1	COMP	9/1/23 12:00 AM	11/15/23 11:20 AM	11/15/23 11:20 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
3552530	0000349408	ANALYZER UV #2 DUTY #2	1517, Mattawa DWS	PM	Calibration	0		0000349408 ANALYZER UV #2 DUTY #2	COMP	9/1/23 12:00 AM	11/15/23 11:20 AM	11/15/23 11:20 AM	
3552593	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	9/1/23 12:00 AM	11/15/23 12:01 PM	11/15/23 12:01 PM	UVT Analyzer calibration to yellow box (1m) 1517 - Checked Optiview against yellow box within specs 100%/99.9%
3552617			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Critical Alarm Dialer Route (1m) - 1517	COMP	9/1/23 12:00 AM	11/15/23 12:02 PM	11/15/23 12:02 PM	Critical Alarm Dialer Route (1m) - 1517 - Checked alarm dialer, dialing out to security company no issues at this time
3552630			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	9/1/23 12:00 AM	10/20/23 11:36 AM	10/20/23 11:36 AM	
3552643	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	9/1/23 12:00 AM	11/15/23 12:02 PM	11/15/23 12:02 PM	Valve Regulating Inspection (1m) 1517 - Valves checked visually daily, no visible signs of defect
3552735			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	9/1/23 12:00 AM	10/20/23 11:37 AM	10/20/23 11:37 AM	
3571764			1517, Mattawa DWS	CAP	Refurbish/ Replace/Repair	0		Dehumidifier for WTP	COMP		9/8/23 02:15 PM	9/8/23 02:15 PM	Dehumidifier for WTP - Dehumidifier was purchased in order to get rid of excessive moisture in summer months that adversely affects electronic equipment and can cause rust and mold.



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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: Jul 1, 2023 12:00 AM

Report End Date: Sep 30, 2023 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
3461296			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	7/1/23 12:00 AM	10/13/23 08:08 AM	10/13/23 08:08 AM	
3461303			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	7/1/23 12:00 AM	10/13/23 08:09 AM	10/13/23 08:09 AM	Health And Safety Inspection (1m) 1541 - All walking areas clear of debris, checked areas around buildings where snow piles, all clear
3465376			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	7/1/23 12:00 AM	10/13/23 08:21 AM	10/13/23 08:21 AM	Pump Submersible Group Inspection (1m) 1541 - Pump checked for operation weekly, all OK
3482028	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	7/16/23 12:00 AM	10/13/23 08:11 AM	10/13/23 08:11 AM	Tank Alum Inspection (1m) - 1541 - Alum tank inspected weekly, no issues found
3506870			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	8/1/23 12:00 AM	10/13/23 08:17 AM	10/13/23 08:17 AM	
3506877			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	8/1/23 12:00 AM	10/13/23 08:17 AM	10/13/23 08:17 AM	
3510314			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	8/1/23 12:00 AM	10/13/23 08:19 AM	10/13/23 08:19 AM	Pump Submersible Group Inspection (1m) 1541 - All pumps, wetwells, panels checked weekly, All ingood operation, no issues at this time
3525348	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	8/16/23 12:00 AM	10/13/23 08:20 AM	10/13/23 08:20 AM	Tank Alum Inspection (1m) - 1541 - Inspected Alum tank, No leaks, no signs of damage, all ok
3526575			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	0		Replacement bulbs and sleeves for WWTP uv lights	COMP		8/30/23 02:11 PM	8/30/23 02:11 PM	New bulbs and sleeves for WWTP uv lights -Parts to be ordered from Trojan tech. Quote # QO0007467. 5 UV Lamp Kits: Parts List - Five (5) LAMP P, SLV KIT 64" PTP/3B 4PK EACH KIT INCLUDES: 1 X 302418-004 LAMPS 1 X 302208-004 SLEEVES 4 X 302300 O-RING, SLEEVE 4 X 302314 O-RING, SLEEVE 4 X 700105 COMPRESSION SPR

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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
3552657			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	9/1/23 12:00 AM	11/15/23 12:03 PM	11/15/23 12:03 PM	
3552668			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	9/1/23 12:00 AM	10/20/23 11:29 AM	10/20/23 11:29 AM	
3556759			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	9/1/23 12:00 AM	11/15/23 12:03 PM	11/15/23 12:03 PM	Pump Submersible Group Inspection (1m) 1541 - All pumps, stations, wetwells, Panels, checked weekly, no issues at this time.
3570849	0000328874	GENERATOR ELECTRIC DIESEL BACKUP POWER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	9/3/23 12:00 AM	11/15/23 12:05 PM	11/15/23 12:05 PM	Generator Monthly Test (1m) 1541 - Checked generators all ok
3570852	0000328842	GENERATOR ELECTRIC DIESEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	9/3/23 12:00 AM	11/15/23 12:05 PM	11/15/23 12:05 PM	Generator Monthly Test (1m) 1541 - Monthly generator test OK
3570855	0000328901	GENERATOR ELECTRIC DIESEL	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	9/3/23 12:00 AM	11/15/23 12:06 PM	11/15/23 12:06 PM	Generator Monthly Test (1m) 1541 - Monthly generator test OK
3573634	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	9/16/23 12:00 AM	10/20/23 11:30 AM	10/20/23 11:30 AM	
3574649			1541, Mattawa Wastewater System	CAP	Predictive Maintenance	0		Mattawa Sewage Pump Stations: Wet Well Cleaning	COMP		9/29/23 11:18 AM	9/29/23 11:18 AM	Mattawa Sewage Pump Stations: Wet Well Cleaning - Cleaned all lift stations and lagoon inlet chamber Sep 26, 2023



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Northeastern Ontario Region

MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix C - Call-out Report for WTP

Workorder Summary Report

Report Start Date: Jul 1, 2023 12:00 AM

Report End Date: Sep 30, 2023 11:59 PM

Location: 1517*

Work Order Type: CALL,EMER

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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
3479079			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Low chlorine Mattawa DWS	CLOSE		6/29/23 07:35 PM	7/2/23 03:47 AM	Low chlorine Mattawa -Received alarm at 1935, arrived on site at 2115. Checked foot valves and pump 2 foot valve had plastic shavings. Cleaned foot valve and returned to service. Replaced fitting on pump 2 going into metcom panel. Replaced discharge and vent valves on pump 1. Issues with flow switch, had to move them to get them reading properly.
3481788			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Chlorine pump fault	COMP		7/8/23 03:30 AM	7/8/23 06:00 AM	Chlorine pump fault - Arrived to plant to find both chlorine pumps in flow fault. Pump #2 flow indicator light was solid red. Moved unit and light went out. Reset faults on pump. Reset fault on sure feed. Acknowledged alarm on SCADA and plant started automatically.
3481789			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Chlorine pump fault	COMP		7/9/23 12:00 PM	7/9/23 04:00 PM	Chlorine pump fault - Reset flow alarm on pumps, Pump #2 flow indicator running fine. No light on Pump #1 indicator. Cleared alarms and plant started automatically. Replaced pipe and inner parts of the flow indicator for chlorine pump #1. Purged air out of line and indicator light now works. The tip of the magnetic bob was broken off and wedged in the upper piece that it normally sits in.

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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
3482894			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Emergency Water off at 271 Tenth ST	COMP		7/8/23 03:00 PM	7/21/23 12:05 PM	Emergency Water off at 271 Tenth ST - Called by Barry Jackson for emergency water off at 271 10th st as customers basement was flooding. I called curtis as he was the oncall operator, we discussed the issue and figured it would be quicker for me to get there and shut it off. I arrived uncovered the standpipe, had to blow out and flush the standpipe as it was full of sand. Shut the water off and the resident advised they would fix the issue and call on monday for a water ON. JD
3483454			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Low chlorine Mattawa DWS	COMP		7/20/23 08:50 PM	7/25/23 12:48 PM	Low chlorine Mattawa DWS -Received low chlorine alarm, arrived on site and checked foot valves, ok. Primed both pumps, changed vent valve on pump 2. Increased factors of chlorine dosage. Monitored chlorine residuals, maintained residuals
3525683			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Emergency Water Off 521 Mcconnel St	COMP		8/7/23 09:15 AM	8/17/23 04:00 PM	Emergency Water Off 521 Mcconnel St - Called by Mattawa call center for emergency water off due to leak in basement. Arrived and shut off water. Customer was to fix the leak and call the town tomorrow for a turn on
3525684			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Emergency Water Off- Mattawa Dental Clinic- 1517	COMP		8/7/23 05:00 PM	8/17/23 04:03 PM	
3526164			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Low UVT alarm	COMP		8/15/23 06:15 PM	8/15/23 09:45 PM	Low UVT alarm - Optiview had two alarms: Cleaning needs to be done, and low transmittance. Tried to clean lens twice but fault came back on each time. Switched UV bulb with new one and fault cleared. Started plant to monitor process.

Workorder Summary Report

Report Start Date: Jul 1, 2023 12:00 AM

Report End Date: Sep 30, 2023 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
3571280			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Curb stop shut off at 221 6th Street	COMP		9/2/23 10:30 AM	9/2/23 02:30 PM	Curb stop shut off at 221 6th Street - Received call from Northern Comm regarding requested curb stop shut off at 221 6th Street. Turned off water at 1220. Plumber on site to address issue. Turned water back on to building at 1320 once fix was made.
3572840			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Chlorine pump fault	COMP		9/8/23 10:00 PM	9/9/23 12:00 AM	Chlorine pump fault - Call at 22:08 for chlorine pump fail. Left for site. Arrived at 23:00 to find both chlorine pumps in FLOW fault. Purged both pumps and flow indicator working. Cleared alarms and plant automatically started.
3574642			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Water off @ 655 Valois Dr	COMP		9/17/23 09:15 AM	9/17/23 11:00 AM	Water off @ 655 Valois Dr - Called by town of mattawa call centre for emergency water off @ 655 Valois DR. Called the customer and got more details on the issue. Water was leaking before thier main shut off and ould fail at anytime and wants the water to be shut asap as plumber is onsite. Arrived and shut the water off. Waited 10 mins for the plumber to make the reopair. Water back on all OK. JD

Workorder Summary Report

Report Start Date: Jul 1, 2023 12:00 AM

Report End Date: Sep 30, 2023 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
3574643			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Low Chlorine Alarm-1517	COMP		9/16/23 09:30 AM	9/16/23 12:00 PM	Low Chlorine Alarm-1517 - Called by Telus alarms for low chlorine level at Mattawa WTP. Arrived and found the plant to be in lockout for low alarm. Checked the chlorine pumps. Both had air in the lines and P1 was not pumping correctly. Changed P1 with spare pump. Changed the footvalves on both pumps on the tank inlet lines. Flushed the system to get chlorinated water into the analyzers and system. Restarted the plant. Waited while the plant ran for 45 mins, all seems ok. Pumps are pumping properly and holding their prime. JD



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: Jul 1, 2023 12:00 AM

Report End Date: Sep 30, 2023 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
3479080			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		High level at McKenzie street lift station	COMP		7/2/23 01:47 AM	7/5/23 12:26 PM	High level at McKenzie lift station -Received high level alarm at McKenzie lift station at 0147, arrived on site at 0315. Reset pump and pumped down wet well. No issues.
3479467			1541, Mattawa Wastewater System	EMER	Refurbish/ Replace/Repair	0		McKenzie SPS: Emergency Pump Troubleshooting and Installation	CLOSE		7/4/23 09:56 AM	7/4/23 09:56 AM	McKenzie SPS: Emergency Pump Troubleshooting and Installation - Called by Monique M at 0812 for pump fault at Mckenzie. pump wont reset. other pump out for repairs. picked up confined space trailer in callander. met Josh D onsite. installed new/rebuilt pump runs/ pumps good. pulled other pump and cleaned impellar. appears to be ok now. TF July2/23 McKenzie SPS: Emergency Pump Troubleshooting and Installation - Received alarm at 0750 for high level alarm at McKenzie street lift station. Called Tim for assistance to pull pump. Josh D came onto site with rebuilt pump. Installed rebuilt pump and pulled pump #2 and unclogged pump. McKenzie SPS: Emergency Pump Troubleshooting and Installation - Called by monique for multiple issues at 601 Mckenzie. Plugged pump multiple times. Met monique and tim onsite. Installed rebuilt pump. Installed new junction box. Verified pump was running OK. Pulled pump 2 cleaned out volute and impellor,. All seems OK JD
3483455			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		Burglary alarm at 451 bissette street	COMP		7/24/23 08:50 PM	7/25/23 12:53 PM	Burglary alarm at 451 Bissette -Received burglary alarm at lift station. Arrived on site, fence and building secured. Cleaned off the contacts on the door and seemed ok.

Workorder Summary Report

Report Start Date: Jul 1, 2023 12:00 AM

Report End Date: Sep 30, 2023 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
3575480			1541, Mattawa Wastewater System	CALL	Inspection	0		Intruder alarm 451 Bissett St	COMP		9/25/23 09:45 PM	9/25/23 11:30 PM	Intruder alarm 451 Bissett St - Received intrusion alarm for 451 Bissett St. Arrived on site, door was locked and alarm still active. Cleared alarm but could not reenable when leaving. Suspect faulty door magnet sensors. Locked facility and left without arming.



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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 11/15/2023 11:54

From: 01/07/2023 to 30/09/2023

Facility: [1517] MATTAWA DRINKING WATER SYSTEM

Works: [210001905]

	07/2023	08/2023	09/2023	<--Total-->	<--Avg.-->	<--Max.-->	<--Min.-->
Flows:							
Raw Flow: Monthly Total - Well #1 (m³)	41795.46	39543.97	32873.37	114212.81			
Raw Flow: Monthly Total - Well #2 (m³)	3342.7	1753.78	4189.68	9286.16			
Raw Flow: Monthly Avg - Well #1 (m³/d)	1348.24	1275.61	1095.78		1239.88		
Raw Flow: Monthly Avg - Well #2 (m³/d)	107.83	56.57	139.66		101.35		
Raw Flow: Monthly Max - Well #1 (m³/d)	1594.44	1628.11	1293.32			1628.11	
Raw Flow: Monthly Max - Well #2 (m³/d)	410.3	406.22	406.03			410.3	
Raw Flow: Monthly Total - Raw Water - Total (m³)	45138.16	41297.75	37063.05	123498.97			
Raw Flow: Monthly Avg - Raw Water - Total (m³/d)	1456.07	1332.19	1235.44		1341.23		
Raw Flow: Monthly Max - Raw Water - Total (m³/d)	1935.61	1658.44	1638.38			1935.61	
Turbidity:							
Raw: Max Turbidity - Well #1 (NTU)	0.25	0.27	0.26			0.27	
Raw: Max Turbidity - Well #2 (NTU)	0.28	0.26	0.28			0.28	
Chemical Parameters:							
Treated: Max Nitrite - TW (mg/L)	< 0.003					< 0.003	
Treated: Max Nitrate - TW (mg/L)	1.79					1.79	
Distribution: Max THM - DW (ug/L)	4.4					4.4	
Distribution: Max HAA - DW (ug/L)	< 5.3					< 5.3	
Chlorine Residuals:							
Treated: Min Free Cl2 Resid - TW (mg/L)	0.169	0.406	0.12				0.12
Treated: Max Free Cl2 Resid - TW (mg/L)	3.83	3.617	3.844			3.844	
Dist: Min Free Cl2 Resid - DW (mg/L)	0.167	0.42	0.218				0.167
Dist: Max Free Cl2 Resid - DW (mg/L)	1.744	1.821	2.259			2.259	
Bacti Samples Collected:							
Raw Bacti: # of samples - Well #1	4	5	4	13			
Raw Bacti: # of samples - Well #2	4	5	4	13			
Treated Bacti: # of samples - TW	4	5	4	13			
Dist Bacti: # of samples - DW	12	15	12	39			
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			



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Northeastern Ontario Region

MATTAWA WATER & WASTEWATER SYSTEMS QUARTERLY OPERATIONS REPORT

Appendix F - Performance Assessment Report Wastewater

Performance Assessment Report

From: 01/07/2023 to 30/09/2023

1541 MATTAWA WASTEWATER TREATMENT FACILITY 110000436

	7 / 2023	8 / 2023	9 / 2023	<--Total-->	<--Avg-->	<--Max-->
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Flows

Raw Flow: Total - Raw m³/d	22,425.97	22,145.13	18,980.45	63,551.55		
Raw Flow: Avg - Raw m³/d	723.42	714.36	632.68		690.78	
Raw Flow: Max - Raw m³/d	869.21	876.91	745.38			876.91
Raw Flow: Count - Raw m³/d	31.00	31.00	30.00	92.00		
Eff. Flow: Total - Eff m³/d	22,425.97	22,145.13	18,980.45	63,551.55		
Eff. Flow: Avg - Eff m³/d	723.42	714.36	632.68		690.78	
Eff. Flow: Max - Eff m³/d	869.21	876.91	745.38			876.91
Eff Flow: Count - Eff m³/d	31.00	31.00	30.00	92.00		

Carbonaceous Biochemical Oxygen Demand: CBOD

Eff: Avg cBOD5 - Eff mg/L	13.90	17.50	18.10		16.50	18.10
Eff: # of samples of cBOD5 - Eff	1.00	1.00	1.00	3.00		
Loading: cBOD5 - Eff kg/d	0.390	0.354	0.413		11.40	0.41

Biochemical Oxygen Demand: BOD5

Raw: Avg BOD5 - Raw mg/L	162.00	250.00	144.30		185.43	250.00
Raw: # of samples of BOD5 - Raw	1.00	1.00	1.00	3.00		
Eff: Avg BOD5 - Eff mg/L	16.50	18.10	19.70		18.10	19.70
Eff: # of samples of BOD5 - Eff	1.00	1.00	1.00	3.00		
Loading: BOD5 - Eff kg/d	0.463	0.366	0.450		12.50	0.46
Percent Removal: BOD5 - Raw %	0.00	0.00	0.00		0.00	

Total Suspended Solids: TSS

Raw: Avg TSS - Raw mg/L	145.00	289.00	153.00		195.67	289.00
Raw: # of samples of TSS - Raw	1.00	1.00	1.00	3.00		
Eff: Avg TSS - Eff mg/L	34.40	33.00	42.10		36.50	42.10
Eff: # of samples of TSS - Eff	1.00	1.00	1.00	3.00		
Loading: TSS - Eff kg/d	0.965	0.667	0.961		25.21	0.96
Percent Removal: TSS - Raw %	0.00	0.00	0.00		0.00	

Total Phosphorus: TP

Raw: Avg TP - Raw mg/L	3.85	3.35	3.40		3.53	3.85
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Performance Assessment Report

From: 01/07/2023 to 30/09/2023

Raw: # of samples of TP - Raw

Eff: Avg TP - Eff mg/L

Eff: # of samples of TP - Eff

Loading: TP - Eff kg/d

Percent Removal: TP - Raw %

1.00	1.00	1.00	3.00		
0.55	1.23	2.27	1.34	2.27	
4.00	5.00	4.00	13.00		
0.017	0.019	0.044	0.92	0.04	
0.00	0.00	0.00	0.00		

Nitrogen Series

Eff: Avg TAN - Eff mg/L

Eff: Avg NO3-N - Eff mg/L

Eff: # of samples of NO3-N - Eff

Eff: Avg NO2-N - Eff mg/L

Eff: # of samples of NO2-N - Eff

6.75	2.31	12.48	6.81	12.48	
< 1.00	< 1.00	< 0.00	< 0.67	<	
1.00	1.00	1.00	3.00		
1.14	0.97	0.02	0.71	1.14	
1.00	1.00	1.00	3.00		