

SYSTEM OVERVIEW

July 1st to September 30th , 2022

OPERATIONAL HIGHLIGHTS

Drinking Water System

- The water treatment system operated well during the third quarter.
- Lightning storm damage to landline communications at reservoir to the well house. Programming to run pumps off the reservoir level float as a temporary fix for continuation of operations.
- August 5, 2022 - 1/2 inch copper service pipe replacement, 4 foot section. Air gap created and maintained throughout the installation. Pipe and repair parts disinfected. Followed by post repair flushing at 381 3rd St. Free chlorine residual = 0.82 mg/L. Service turned off at 1130 and restored at 1330. OIC - Jim Aucoin.
- August 8, 2022 - 3/4 inch plastic service pipe and corporation stop replacement. Air gap created and maintained throughout the installation. Pipe and repair parts disinfected. Followed by post repair flushing at 441 7th St. Free chlorine residual = 0.36 mg/L. Service turned off at 0900 and restored at 1000. OIC - Jim Aucoin.
- August 9, 2022 - 3/4 inch plastic service replacement. Air gap created and maintained throughout the installation. Pipe and repair parts disinfected. Followed by post repair flushing at 351 7th St. Free chlorine residual = 0.35 mg/L. Service turned off at 0900 and restored at 1130. OIC - Jim Aucoin.
- August 18, 2022 – Town of Mattawa Public Works staff repaired broken service at 338 Main St.
- September 12, 2022 – The Town of Mattawa Public Works department completed a service line repair at 131 6th St.

Wastewater Treatment

- The wastewater treatment system performed well during the third quarter.

CAPITAL PLAN PROGRESS

Drinking Water System

- N/A

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 2022 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 20, 2022.
- Annual above ground well inspections completed July 13, 2022, for both wells.
- Internal audit completed on DWQMS 2.0 and 36 month risk assessment review completed on July 13, 2022. Four Opportunities for Improvement (OFI) identified and addressed.
- Operational Plan updated July 25, 2022 due to recent internal audit findings.
- All sewage samples required under the system's C of A collected and tested in the third quarter of 2022.

INCIDENTS AND COMPLAINTS

Mattawa Drinking Water System

Incident	Reservoir Overflow (Spill)
Date	July 25, 2022
Details	SAC Ref No.:1-1Z1FK1 Type of Event: Spill Start Date & Time: July 25, 2022 @ 0130 hrs. Termination: July 25, 2022 @ 0630 hrs. Duration: approx. 5 hours Approximate volume: 900 m3 Details: Lightning strike to reservoir caused communication loss to water plant. Duty high lift pump was switched to run on backup float instead. Float faulted, pump ran until operator noticed in morning. Causing reservoir to overflow. Receiver: Ground for a long distance, possibly Ottawa River.

	Downstream Users: No Actions: Instrumentation Technician contacted for repair. In the meantime, pump cycles must be operated manually. Further Actions: Backup float system was fixed and tested and now functional to stop pump. Technician to look into phone line issues. Reporting: Verbal & written reports to MOE SAC, Local MECP and EC.
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Mattawa Wastewater System

Incident	N/A
Date	
Details	

HEALTH AND SAFETY

- Staff training completed on Heat Stress.
- Staff training completed on SDS/MSDS.
- Staff training completed on Vehicle Circle Checks.

MATTAWA DRINKING WATER SYSTEM PERFORMANCE

See Appendix E – Performance Assessment Report Water

MATTAWA WASTEWATER TREATMENT LAGOON – WASTEWATER FLOW SUMMARY

See Appendix E – Performance Assessment Report Wastewater



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MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix A - Work Order Summary for WTP

Workorder Summary Report

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

Report End Date: Sep 30, 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
2900181	0000328763	ANALYZER TURBIDITY PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Turbidity Analyzer Calibration (1m) 1517	COMP	7/1/22 12:00 AM	11/13/22 07:51 PM	11/13/22 07:51 PM	
2900186	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	7/1/22 12:00 AM	11/13/22 07:52 PM	11/13/22 07:52 PM	- Completed monthly generator inspection, No issues found
2900189	0000328770	UV LIGHT REACTOR #1	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	7/1/22 12:00 AM	11/13/22 07:53 PM	11/13/22 07:53 PM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 - UV 1 still out of service
2900194	0000328771	UV LIGHT REACTOR #2	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	7/1/22 12:00 AM	11/13/22 07:55 PM	11/13/22 07:55 PM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 - UV 2 pass - 0.95, no issues found
2900199	0000328765	ANALYZER CHLORINE UNIT #3 PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Portable chlorine Analyzer #3 Calibration (1m) 1517	COMP	7/1/22 12:00 AM	11/13/22 07:56 PM	11/13/22 07:56 PM	Portable chlorine Analyzer #3 Calibration (1m) 1517 - Monthly no longer needed as yearly is completed
2900244			1517, Mattawa DWS	PM	Inspection	3	MONTHS	Replace UV Air Filters 1517	COMP	7/1/22 12:00 AM	11/13/22 07:57 PM	11/13/22 07:57 PM	Replace UV Air Filters 1517 - Replaced air filters, They were fairly dirty, Still have new ones in stock
2900252	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	7/1/22 12:00 AM	11/13/22 07:59 PM	11/13/22 07:59 PM	UVT Analyzer calibration to yellow box (1m) 1517 - Completed, yellow box- 99.8 Optiview 98.9
2900273			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1517	COMP	7/1/22 12:00 AM	11/13/22 07:59 PM	11/13/22 07:59 PM	Alarm Dialer Route (1m) - 1517 - Checked with monthly generator inspection, all ok
2900282			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	CLOSE	7/1/22 12:00 AM	7/14/22 10:27 AM	7/14/22 10:27 AM	
2900295	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	7/1/22 12:00 AM	11/13/22 08:00 PM	11/13/22 08:00 PM	Valve Regulating Inspection (1m) 1517 - Check valves with daily WTP inspection, no issues found

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2900465			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	7/1/22 12:00 AM	11/13/22 08:01 PM	11/13/22 08:01 PM	Analyzer Chlorine Inspection/ Service (1m) 1517 - Compared analyzer to handheld, both within allowable limits, increased flow to clean flow cell.
2947051			1517, Mattawa DWS	PM	Inspection	6	MONTHS	CL2 sensor change Electrolyte and membrane cap (6m) 1517	COMP	8/1/22 12:00 AM	11/13/22 08:03 PM	11/13/22 08:03 PM	CL2 sensor change Electrolyte and membrane cap (6m) 1517 - Did not change membrane cap, checked the flow cell and analyzer, still fairly clean
2947058	0000328787	ANALYZER UV TRANSMITTANCE	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	3	MONTHS	UV Transmitter Optiview calibration (3m) 1517	COMP	8/1/22 12:00 AM	11/13/22 08:04 PM	11/13/22 08:04 PM	UV Transmitter Optiview calibration (3m) 1517 - No calibration required, as regular checks show the optiview within limits
2947069	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	8/1/22 12:00 AM	11/13/22 08:04 PM	11/13/22 08:04 PM	Generator Monthly Test (1m) 1517 - Monthly generator check completed, no issues found
2947072	0000328770	UV LIGHT REACTOR #1	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	8/1/22 12:00 AM	11/13/22 08:06 PM	11/13/22 08:06 PM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 -UV 1 still out of service
2947075	0000328771	UV LIGHT REACTOR #2	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	8/1/22 12:00 AM	11/13/22 08:06 PM	11/13/22 08:06 PM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 - UV 2 check completed, no issues found, Pass - 0.91
2947130	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	8/1/22 12:00 AM	11/13/22 08:09 PM	11/13/22 08:09 PM	UVT Analyzer calibration to yellow box (1m) 1517 - Compared Optiview to yellow box Optiveiw 100% Yellow Box 100%
2947151			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Critical Alarm Dialer Route (1m) - 1517	COMP	8/1/22 12:00 AM	11/13/22 08:10 PM	11/13/22 08:10 PM	Critical Alarm Dialer Route (1m) - 1517 - Alarms have gone off multiple times over the month for various alarms, 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
2947160			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	8/1/22 12:00 AM	11/13/22 08:11 PM	11/13/22 08:11 PM	Health And Safety Inspection (1m) 1517 - Health and safety inspection, done at time of generator checks. checked First aid kits this mnth, all stilll sealed
2947173	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	8/1/22 12:00 AM	8/28/22 08:47 PM	8/28/22 08:47 PM	Valve Regulating Inspection (1m) 1517 - Checked all valving and piping. no issues found
2947257			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	8/1/22 12:00 AM	8/28/22 08:48 PM	8/28/22 08:48 PM	Analyzer Chlorine Inspection/ Service (1m) 1517 - Compared DW analyzer and POE analyzer to handheld, within specs, no changes made
2962334			1517, Mattawa DWS	CORR	Refurbish/ Replace/Repair	0		Reservoir power line repair-1517	COMP	8/5/22 09:00 AM	9/2/22 10:21 AM	9/2/22 10:21 AM	-Reservoir power found to be down 1 phase. Check possibilities at the reservoir. Nothing found. Walked the line up the hill, found a small tree on the line and the line pulled apart. Contacted BWR to come and repair the power line. They will be on-site Friday Aug 5/22 at 9am.
2995146	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	9/1/22 12:00 AM	11/13/22 08:16 PM	11/13/22 08:16 PM	
2995149	0000328770	UV LIGHT REACTOR #1	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	9/1/22 12:00 AM	11/13/22 08:20 PM	11/13/22 08:20 PM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 - UV1 still out of service
2995152	0000328771	UV LIGHT REACTOR #2	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	9/1/22 12:00 AM	11/13/22 08:21 PM	11/13/22 08:21 PM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 - UV 2 check completed, Pass 0.94
2995195			1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	UVR Service (Spring & Fall) 1517	COMP	9/1/22 12:00 AM	11/13/22 08:25 PM	11/13/22 08:25 PM	UVR Service (Spring & Fall) 1517 - Pulled inspection plate on the UV reaactor, reactor is not to dirty, will leave it in service as only one reactor at this point

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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
2995202	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	9/1/22 12:00 AM	11/13/22 08:26 PM	11/13/22 08:26 PM	UVT Analyzer calibration to yellow box (1m) 1517 - Optiview- 99.8% Yellow box100%
2995229			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Critical Alarm Dialer Route (1m) - 1517	COMP	9/1/22 12:00 AM	11/13/22 08:27 PM	11/13/22 08:27 PM	
2995238			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	9/1/22 12:00 AM	11/13/22 08:27 PM	11/13/22 08:27 PM	
2995251	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	9/1/22 12:00 AM	11/13/22 08:27 PM	11/13/22 08:27 PM	
2995342			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	9/1/22 12:00 AM	11/13/22 08:29 PM	11/13/22 08:29 PM	Analyzer Chlorine Inspection/ Service (1m) 1517 - Analyzer 2 running ok, Analyzer 1 and spare are quote for repair parts



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MATTAWA WATER & WASTEWATER SYSTEMS QUARTERLY OPERATIONS REPORT

Appendix B - Work Order Summary for WWTL

Workorder Summary Report

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

Report End Date: Sep 30, 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
2900318			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	CLOSE	7/1/22 12:00 AM	7/14/22 10:36 AM	7/14/22 10:36 AM	
2900325			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	CLOSE	7/1/22 12:00 AM	7/14/22 10:35 AM	7/14/22 10:35 AM	
2904384			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	CLOSE	7/1/22 12:00 AM	7/14/22 10:37 AM	7/14/22 10:37 AM	
2919996	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	7/16/22 12:00 AM	8/28/22 08:44 PM	8/28/22 08:44 PM	
2947193			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	8/1/22 12:00 AM	11/13/22 08:11 PM	11/13/22 08:11 PM	
2947200			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	8/1/22 12:00 AM	11/13/22 08:12 PM	11/13/22 08:12 PM	Health And Safety Inspection (1m) 1541 - Safety inspection completed at time of generator test, checked all first aid kits this month, all still sealed
2950714			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	8/1/22 12:00 AM	11/13/22 08:13 PM	11/13/22 08:13 PM	Pump Submersible Group Inspection (1m) 1541 - Check pumps and wet wells every friday, no current issues
2964722	0000328874	GENERATOR ELECTRIC DIESEL BACKUP POWER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	8/14/22 12:00 AM	11/13/22 08:13 PM	11/13/22 08:13 PM	Generator Monthly Test (1m) 1541 - Generator test completed no issues found at time of test
2964725	0000328842	GENERATOR ELECTRIC DIESEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	8/14/22 12:00 AM	11/13/22 08:14 PM	11/13/22 08:14 PM	Generator Monthly Test (1m) 1541 - Generator test completed no issues found at time of test
2964728	0000328901	GENERATOR ELECTRIC DIESEL	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	8/14/22 12:00 AM	11/13/22 08:14 PM	11/13/22 08:14 PM	Generator Monthly Test (1m) 1541 - Generator test completed, no issues found at the time of the test
2964762			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 1541	COMP	8/14/22 12:00 AM	11/13/22 08:16 PM	11/13/22 08:16 PM	TPM Inspection/Maintenance (1m) 1541 - Check pumps, wet wells, panels and stations weekly, no current issues
2965166	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	8/16/22 12:00 AM	8/28/22 08:45 PM	8/28/22 08:45 PM	
2995271			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	9/1/22 12:00 AM	11/13/22 08:27 PM	11/13/22 08:27 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
2995278			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	9/1/22 12:00 AM	11/13/22 08:28 PM	11/13/22 08:28 PM	
2999485			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	9/1/22 12:00 AM	11/13/22 08:29 PM	11/13/22 08:29 PM	Pump Submersible Group Inspection (1m) 1541 - Started all pumps in hands, no abnormal vibrations or sounds.
3015271	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	9/16/22 12:00 AM	11/13/22 08:22 PM	11/13/22 08:22 PM	Tank Alum Inspection (1m) - 1541 - Alum tank inspected on a weekly basis, no current issues



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MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix C - Call-out Report for WTP

Workorder Summary Report

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

Report End Date: Sep 30, 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
2922087			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Low Chlorine Alarm-1517	COMP		7/16/22 04:00 PM	7/24/22 07:49 PM	Low Chlorine Alarm-1517 - Called for low chlorine alarm. Arrived and found a broken fitting on the metcon board. Put pumps in hand and off. Open water valves to back flush system. Dist residual 0.17 mg/l Repaired broken fitting. Residual on the rise 0.21mg/l Alarms cleared. Residual at 0.37 mg/l. Close all flushing taps
2922870			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Reservoir communication loss	COMP		7/24/22 07:45 PM	7/24/22 11:30 PM	Reservoir communication loss - Received call from Truesteel regarding power loss alarms to WTP & reservoir. Left for onsite inspection. Was able to reset UV Trojan panel alarms but system would not run on auto. Found communication loss to reservoir. Attempted to change isolation cards at reservoir but comm loss persisted. Ran pumps on Hand for the night until we can get instrumentation Technician onsite next day.

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2961237			1517, Mattawa DWS	CALL	Inspection	0		Call for water break at 298 Main St	COMP		7/30/22 10:00 AM	7/30/22 11:15 AM	Call for water break at 298 Main St -Tim Fraser had received a call and passed the message on to me. Owner of the building at 298 Main St (Sharma) had water coming into to basement apartment. I called owner and told him I was on the way. Just before I arrived in Mattawa, Sharma called back to inform me that he didn't need the water turned off anymore. He had a plumber on site that was able to fix the issue.
2961238			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		UV#2 ballast fail	COMP		7/30/22 06:15 PM	7/30/22 08:15 PM	UV#2 ballast fail -Received call from TrueSteel for UV#2 fail. Logged in remotely and saw that UV failed on attempted plant startup. Left for site inspection. Arrived, acknowledge and reset UV#2 Ballast fail. Started plant and monitored process, all fine.
2962240	0000328799	PANEL CONTROL UV #2	1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Uv #2 Failure Alarm-1517	COMP		8/4/22 02:06 AM	8/4/22 02:45 AM	Uv 2 failure alarm -Arrived and found uv 2 in ballast 1 fail alarm. Reset all alarms and switched to uv 2 as duty. All started in auto and currently running ok.
2964192			1517, Mattawa DWS	CALL	Inspection	0		Reservoir lost communication	COMP		8/10/22 12:45 AM	8/10/22 01:15 AM	Reservoir lost communication - Received call from truesteel regarding WTP running on float. Remoted in. Float system is activatd, watch dog is active. Level in reservoir currently at 2.55 m. Pump #2 running. Everything else running OK. Logged out
2964818			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		UV#2 fail	COMP		8/12/22 09:00 PM	8/12/22 11:00 PM	UV#2 fail - Received call from Truesteel regarding UV#2 alarm. Arrived on site. Acknowledged and cleared Ballast fail on UV#2 panel. Switched duty back to UV#1 then plant started.

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				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2966877			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		UV Ballast Fail-1517	COMP		8/7/22 04:45 PM	8/22/22 12:32 PM	UV Ballast Fail-1517 - Called by Telus alarming for uv 2 fail at 1654. On-site found uv 2 ballast 1 fail. Reset alarms on uv and scada. Switch to uv 2 as duty. Plant started ok. Will change out ballast 1 with a new one tomorrow during regular hours
2966880			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Low Chlorine Alarm-1517	COMP		8/6/22 10:45 AM	8/7/22 01:15 AM	Low Chlorine Alarm-1517 - Called by Telus alarming for low chlorine alarm at 1042. On-site at 1120. Found the plant shit down. Dist chlorine at 0.19mg/l. Checked the chlorine pumps cleared air from system. Open numerous valves to flush the system. Lowest dist chlorine, 0.113mg/l. Chlorine starting to rise. Start plant in hand to find any remaining issue with chlorine system Dist residual has stabilized at 0.79mg/l. Will monitor remotely. Sign out

Workorder Summary Report

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

Report End Date: Sep 30, 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
2967946			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		major uv 2 alarm- UV 2 Ballast Fail-1517	COMP		8/21/22 06:45 AM	8/21/22 10:45 AM	major uv 2 alarm- UV 2 Ballast Fail-1517 - On-site for major uv alarm. Found uv 2 in ballast fail. Reset alarms and switch back to uv 2 as duty. All running ok
2967951			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		major uv 2 alarm- 1517	COMP		8/18/22 08:30 PM	8/18/22 11:45 PM	major uv 2 alarm- 1517 - Sign in for uv failure alarm. Found uv in ballast fail. Reset alarms, switch to uv 2 as duty. Plant auto start.
2967959			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		major uv 2 alarm- UV 2 Ballast Fail-1517	COMP		8/17/22 02:30 AM	8/17/22 04:00 AM	major uv 2 alarm- UV 2 Ballast Fail - Called by alarm monitoring for uv 2 fail. Arrived to find uv 2 in ballast failure. Switch out second ballast that was not changed yet. Restart uv and clear alarms. Allowed uv unit to warm up. Switch to uv2 as duty on scada. Plant into auto start.
2967975			Mattawa DWS	CALL	Inspection	0		Reservoir lost communication	COMP		8/25/22 12:45 AM	8/25/22 01:15 AM	Reservoir lost communication - Received call from monitoring station regarding reservoir alarm. Logged in remotely and found that system running on float. Trends looks fine. Pump cycle just finished, level @ 2.94m.

Workorder Summary Report

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

Report End Date: Sep 30, 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
2968590			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Water break at 171 Water Street	COMP		8/27/22 05:30 PM	8/27/22 07:30 PM	Water break at 171 Water Street - Received call from northern communications, water break at 171 water st. Immediately called resident and she informed me that the break is just before her shut off valve. Arrived at 171 water street. Closed service at the curb stop. Met with daughter of resident that called in. She confirmed that the water stopped. They were told that the next step was to call a plumber
2968594			Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		UV 2 ballast failure	COMP		8/28/22 06:45 AM	8/28/22 08:45 AM	UV 2 ballast failure - Received call from Telus alarms. Ballast fail. Reset alarms, switch to uv 2 as duty. Plant auto start.
2968595			Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		UV 2 ballast failure	COMP		8/27/22 10:15 AM	8/27/22 12:30 PM	UV 2 ballast failure - Received call from Telus alarms. Ballast fail. Reset alarms, switch to uv 2 as duty. Plant auto start.
3013251			Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Low UVT alarm	COMP		9/6/22 10:00 PM	9/6/22 11:45 PM	Low UVT alarm -Received low UVT alarm. I changed the bulb in the OptiView and cleaned the glass lens. Reset alarms and plant started up.
3014608			Mattawa DWS	CALL	Compliance	0		Mattawa WTP UV#2 Ballast Fail	COMP		9/11/22 02:25 PM	9/11/22 03:30 PM	Mattawa WTP UV#2 Ballast Fail - 13:51--Received notification from On-call operator Curtis Green of alarm at water treatment plant. 14:25--Arrived at WTP: UV2 ballast failure in alarm. Ack and reset UV2 alarm. Switched duty UV back to UV2. Warm up cycle for UV2 initiated. Reservoir level at 1.51 meters. 14:35--Pump #1 running on UV2 with no issues.

Workorder Summary Report

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

Report End Date: Sep 30, 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
3015169			Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Uv2 ballast fail	COMP		9/8/22 10:30 PM	9/9/22 12:30 AM	Uv2 ballast fail -On site for uv ballast failure. Reset and switched duty to uv 2. Plant started



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, 2022 12:00 AM

Report End Date: Sep 30, 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
2916798			1541, Mattawa Wastewater System	CALL	Community Complaint	0		Resident with no water issue 550 Rankin St-1517	CLOSE		7/1/22 03:15 PM	7/1/22 04:45 PM	Resident with no water issue 550 Rankin St-1517 - Called by Mattawa answering service for 550 Rankin for no water issue. Called the resident and found that they did not have any water. I informed the resident to check their PRV, to which they were not aware of one, and the water had just stopped. Arrived, inserted the valve wrench into the curb box, there was no indication of a leak on the service. I went in the house with the homeowner and found their PRV, instructed them it may be plugged with rust. They had a garden hose on the town side of the PRV, we checked that and there was lots of water. I informed them to repair thier PRV as that had to be the issue.
2922868			1541, Mattawa Wastewater System	CALL	Inspection	0		Alarm for Brooke St & Mattawan LS	COMP		7/20/22 08:45 PM	7/20/22 10:30 PM	Alarm for Brooke St & Mattawan LS - Received call from truesteel regarding alarms at Brooke & Mattawan lift stations. Attended onsite inspection. Equipment found to be fine. Heavy precipitation probably causing a power bump.

Workorder Summary Report

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

Report End Date: Sep 30, 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
2969016			1541, Mattawa Wastewater System	CALL	Compliance	0		Mattawa SLS 1101 Bissett AC Power Loss	COMP		8/27/22 01:00 PM	8/28/22 08:00 AM	Mattawa SLS 1101 Bissett AC Power Loss - 12:49--Received a call from Curtis Green re: AC power loss for 1101 Bissett St. SLS (Sewage Lift Station) 13:00--Arrived at SLS, power appeared normal. Heavy grease deposits on floats, etc. Rag Basket full of rags. Both pumps in Auto but no pumping. Started both pumps and observed amps, etc. Station pumping down normally. Pumped down station until pumps were exposed. Put both pumps in Auto and called Curtis to give him the details. *Note: Curtis Green arrived on Sunday at approx. 07:40--There is power to station but no power to receptacle feeding the power source to the communication device. Plugged unit into another receptacle and confirmed with Telus alarms that AC failure has been cleared. Performed a float test and system works fine.



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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 11/15/2022 10:23

From: 01/07/2022 to 30/09/2022

Facility: [1517] MATTAWA DRINKING WATER SYSTEM

Works: [210001905]

	07/2022	08/2022	09/2022	<--Total-->	<--Avg.-->	<--Max.-->	<--Min.-->
Flows:							
Raw Flow: Monthly Total - Well #1 (m³)	34225	32394.61	27109.92	93729.53			
Raw Flow: Monthly Total - Well #2 (m³)	3424.09	3160.35	4344.46	10928.9			
Raw Flow: Monthly Avg - Well #1 (m³/d)	1104.03	1044.99	903.66		1017.56		
Raw Flow: Monthly Avg - Well #2 (m³/d)	110.45	101.95	144.82		119.07		
Raw Flow: Monthly Max - Well #1 (m³/d)	1398.08	1287.95	1260.15			1398.08	
Raw Flow: Monthly Max - Well #2 (m³/d)	485.99	412.68	536.98			536.98	
Raw Flow: Monthly Total - Raw Water - Total (m³)	37649.09	35554.96	31454.38	104658.43			
Raw Flow: Monthly Avg - Raw Water - Total (m³/d)	1214.49	1146.93	1048.48		1136.63		
Raw Flow: Monthly Max - Raw Water - Total (m³/d)	1614.43	1452.55	1344.6			1614.43	
Turbidity:							
Raw: Max Turbidity - Well #1 (NTU)	0.26	0.27	0.28			0.28	
Raw: Max Turbidity - Well #2 (NTU)	0.3	0.29	0.27			0.3	
Chemical Parameters:							
Treated: Max Nitrite - TW (mg/L)	< 0.1					< 0.1	
Treated: Max Nitrate - TW (mg/L)	1.95					1.95	
Distribution: Max THM - DW (µg/l)	3.4					3.4	
Chlorine Residuals:							
Treated: Min Free Cl2 Resid - TW (mg/L)	0.061	0.063	0.086				0.061
Treated: Max Free Cl2 Resid - TW (mg/L)	4.119	4.119	4.119			4.119	
Dist: Min Free Cl2 Resid - DW (mg/L)	0.165	0.118	0.182				0.118
Dist: Max Free Cl2 Resid - DW (mg/L)	1.908	1.554	1.401			1.908	
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

Mattawa Wastewater Treatment Lagoon
Performance Assessment Report Wastewater/Lagoon

Report extracted 11/15/2022 10:19

From: 01/07/2022 to 30/09/2022

Facility: [1541] MATTAWA WASTEWATER TREATMENT FACILITY

Works: [110000436]

	07/2022	08/2022	09/2022	<--Total-->	<--Avg.-->	<--Max.-->
Flows:						
Raw Flow: Total - Raw (m³)	23694.50	22489.50	20130.00	66314.00		
Raw Flow: Avg - Raw (m³/d)	764.34	725.47	671.00		720.27	
Raw Flow: Max - Raw (m³/d)	864.00	878.00	806.00			878.00
Eff. Flow: Total - Eff (m³)	23694.50	22489.50	20130.00	66314.00		
Eff. Flow: Avg - Eff (m³/d)	764.34	725.47	671.00		720.27	
Eff. Flow: Max - Eff (m³/d)	864.00	878.00	806.00			878.00
Carbonaceous Biochemical Oxygen Demand: CBOD:						
Eff: Avg cBOD5 - Eff (mg/L)	7.100	5.000	9.300		7.133	9.300
Eff: # of samples of cBOD5 - Eff (mg/L)	1	1	1	3		
Loading: cBOD5 - Eff (kg/d)	5.427	3.627	6.240		5.098	6.240
Biochemical Oxygen Demand: BOD5:						
Raw: Avg BOD5 - Raw (mg/L)	59.200	80.500	183.000		107.567	183.000
Raw: # of samples of BOD5 - Raw (mg/L)	1	1	1	3		
Eff: Avg BOD5 - Eff (mg/L)	8.800	7.800	9.600		8.733	9.600
Eff: # of samples of BOD5 - Eff (mg/L)	1	1	1	3		
Loading: BOD5 - Eff (kg/d)	6.726	5.659	6.442		6.275	6.726
Percent Removal: BOD5 - Raw (mg/L)	0.000	0.000	0.000			0.000
Total Suspended Solids: TSS:						
Raw: Avg TSS - Raw (mg/L)	180.000	91.900	455.000		242.300	455.000
Raw: # of samples of TSS - Raw (mg/L)	1	1	1	3		
Eff: Avg TSS - Eff (mg/L)	18.000	5.800	< 2.270		< 8.690	18.000
Eff: # of samples of TSS - Eff (mg/L)	1	1	1	3		
Loading: TSS - Eff (kg/d)	13.758	4.208	< 1.523		< 6.496	13.758
Percent Removal: TSS - Raw (mg/L)	0.000	0.000	0.000			0.000
Total Phosphorus: TP:						
Raw: Avg TP - Raw (mg/L)	4.100	1.960	3.290		3.117	4.100
Raw: # of samples of TP - Raw (mg/L)	1	1	1	3		
Eff: Avg TP - Eff (mg/L)	0.903	0.838	0.368		0.703	0.903
Eff: # of samples of TP - Eff (mg/L)	4	5	4	13		
Loading: TP - Eff (kg/d)	0.634	0.725	0.309		0.556	0.725
Percent Removal: TP - Raw (mg/L)	0.000	0.000	0.000			0.000
Nitrogen Series:						
Eff: Avg TAN - Eff (mg/L)	12.200	14.160	14.125		13.495	14.160
Eff: Avg NO3-N - Eff (mg/L)	0.290	0.170	< 1.000		< 0.487	1.000
Eff: # of samples of NO3-N - Eff (mg/L)	1	1	1	3		
Eff: Avg NO2-N - Eff (mg/L)	0.450	0.730	< 0.100		< 0.427	0.730
Eff: # of samples of NO2-N - Eff (mg/L)	1	1	1	3		