

SYSTEM OVERVIEW

April 1st to June 30th , 2021

OPERATIONAL HIGHLIGHTS

Drinking Water System

- The water treatment system operated well during the second quarter.

Wastewater Treatment

- The wastewater treatment system performed well during the second quarter.
- Damaged lagoon flow meter repaired under warranty and reinstalled. More info below.
- Soft start replacement installed and still blows breaker. Further troubleshooting required. Xylem set up Teckniserve to investigate the problem and discovered reversed phases.
- Pump #1 at Blake Station sheered bolts from impellor. Repair was required.
- Pump #2 at Blake Station breaker requires replacement.

CAPITAL PLAN PROGRESS

Drinking Water System

- Lightning storm hit the reservoir and destroyed the isolator cards. Spares used and new spares ordered.

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 second quarter of 2021 and all results fell within regulatory limits.
- Winter term lead, pH and alkalinity sampling completed April 14, 2021.
- Quarterly trihalomethanes (THM), haloacetic acids (HAA), Nitrate and Nitrite sampling completed April 27, 2021.
- Off-site external S1-Surveillance audit completed June 15, 2021, there were no findings identified.
- No Ministry of the Environment, Conservation and Parks (MECP) or Ministry of Labour (MOL) inspections conducted this quarter.
- Flow meter calibrations completed.
- All required sewage samples required under the system's ECA collected and tested in the second quarter of 2021.
- New flow meter installed at valve chamber at lagoon on August 21, 2020. The flow meter was struck by lightning again in November 2020, outputs were damaged (readings still available from flow meter). There were also upgrades to Blake (451 Bissett) SLS pump panel which allowed for calculated flows as backup flow recording. Temporary flow meter was installed at lagoon in mid-February 2021 (which was damaged and out of service in mid-March), and values were compared to Blake Station flows. They were constantly within 5 % of each other, showing that the Blake Station calculations are accurate. February 24, 2021 the damaged flow meter was sent out for repair, while recording accurate flows from Blake Station. April 7, soft starts for pump panel were damaged during new transfer switch install, which resulted in loss of flow recording from the Blake Station. Therefore, since April 7, 2021 @ 1430 there have been no flow recording devices functional. While, flow meter and backup device out of service, alternate method of calculating daily raw flows will be used. Daily pump hours and average pump rate will be used to calculate approximate flows. The original lagoon flow meter has been repaired by the manufacturer and is being shipped back. The pump panel at Blake Station will be repaired upon receipt of parts. Repaired flow meter installed and functional on April 9, 2021. MECP notified of incident of non-compliance.
- Flow meter calibration completed.

INCIDENTS AND COMPLAINTS

Mattawa Drinking Water System

Incident	N/A
Date	
Details	

Mattawa Wastewater System

Incident	Spill at 451 Bissett St. (Blake Station)
Date	April 7, 2021
Details	Type of Incident: Spill SAC Ref No.: 1-C4KP8 Start Date & Time: April 7, 2021 at 1430 hours Termination: April 7, 2021 at 2130 hours Duration: 7 hours Approximate volume: 370 m³ Details: Sewage spill caused by failure of equipment (pump panel damaged during new transfer switch install). Receiver: Mattawa River Actions: Temporary Panel installed April 7, repairs are ongoing for panel, will be completed upon receipt of parts. Reporting: Verbal & written reports to MOE SAC and MOH, faxed to EC as required, also notification made to local MECP inspector Vesna Alimpic via email.

Incident	Spill at 451 Bissett St. (Blake Station)
Date	May 2, 2021
Details	Type of Incident: Spill SAC Ref No.: 1-EJ9RG Start Date & Time: May 2, 2021 at 1630 hours Termination: May 2, 2021 at 1730 hours Duration: 1 hours Approximate volume: 22 m³ Details: Sewage spill caused by failure of equipment. P1 pump failure. Receiver: Mattawa River Actions: Temporary Panel installed April 7, repairs are ongoing for panel, will be completed upon receipt of parts. Temporary panel wiring change from P1 to P2 occurred on May 2. Reporting: Verbal & written reports to MOE SAC and MOH, faxed to EC as required, also notification made to local MECP inspector Vesna Alimpic via email.

HEALTH AND SAFETY

- Staff training completed on Distracted Driving.
- Staff training completed on FEP Binder Review.
- Safety, Process and Compliance (SPC) Manager Audits performed for WTP and WWTL.
- Staff training completed on Don't Walk by Program.

MATTAWA DRINKING WATER SYSTEM PERFORMANCE

See Appendix E – Performance Assessment Report Water

MATTAWA WASTEWATER TREATMENT LAGOON – WASTEWATER FLOW SUMMARY

See Appendix F – Performance Assessment Report Wastewater



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MATTAWA WATER & WASTEWATER SYSTEMS QUARTERLY OPERATIONS REPORT

Appendix A - Work Order Summary for WTP

Workorder Summary Report

Report Start Date: Apr 1, 2021 12:00 AM
Report End Date: Jun 30, 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
2222854			1517, Mattawa DWS	OPER	Calibration	0		Mattawa Annual Flow Meter Verifications PO	CLOSE		4/9/21 01:16 PM	4/9/21 01:16 PM	
2206723	0000328763	ANALYZER TURBIDITY PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Turbidity Analyzer Calibration (1m) 1517	COMP	4/1/21 12:00 AM	7/29/21 06:38 PM	7/29/21 06:38 PM	
2206728	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	4/1/21 12:00 AM	7/29/21 06:38 PM	7/29/21 06:38 PM	
2206731	0000328770	UV LIGHT REACTOR #1	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	4/1/21 12:00 AM	7/29/21 06:36 PM	7/29/21 06:36 PM	
2206734	0000328771	UV LIGHT REACTOR #2	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	4/1/21 12:00 AM	7/29/21 06:36 PM	7/29/21 06:36 PM	
2206737	0000328765	ANALYZER CHLORINE UNIT #3 PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Portable chlorine Analyzer #3 Calibration (1m) 1517	COMP	4/1/21 12:00 AM	7/29/21 06:36 PM	7/29/21 06:36 PM	
2206794			1517, Mattawa DWS	PM	Inspection	3	MONTHS	Replace UV Air Filters 1517	COMP	4/1/21 12:00 AM	7/29/21 06:37 PM	7/29/21 06:37 PM	
2206802	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	4/1/21 12:00 AM	7/29/21 06:37 PM	7/29/21 06:37 PM	
2206823			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1517	COMP	4/1/21 12:00 AM	7/29/21 06:37 PM	7/29/21 06:37 PM	
2206832			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	4/1/21 12:00 AM	7/29/21 06:39 PM	7/29/21 06:39 PM	
2206845	0000328800	TANK STORAGE SODIUM HYPO	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Holding Sodium Hypo Inspection/Maintenance (1y) 1517	COMP	4/1/21 12:00 AM	7/29/21 06:39 PM	7/29/21 06:39 PM	
2206849	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	4/1/21 12:00 AM	7/29/21 06:40 PM	7/29/21 06:40 PM	
2207021			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	4/1/21 12:00 AM	7/29/21 06:41 PM	7/29/21 06:41 PM	
2225708			1517, Mattawa DWS	PM	Inspection	3	MONTHS	PH Analyzer Calibration (POE) (3m) 1517	COMP	4/27/21 12:00 AM	7/29/21 06:43 PM	7/29/21 06:43 PM	
2251983	0000328787	ANALYZER UV TRANSMITTANCE	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	3	MONTHS	UV Transmitter Optiview calibration (3m) 1517	COMP	5/1/21 12:00 AM	7/29/21 06:44 PM	7/29/21 06:44 PM	
2251994	0000328763	ANALYZER TURBIDITY PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Turbidity Analyzer Calibration (1m) 1517	COMP	5/1/21 12:00 AM	7/29/21 06:44 PM	7/29/21 06:44 PM	

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2251999	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	5/1/21 12:00 AM	7/29/21 06:44 PM	7/29/21 06:44 PM	
2252002	0000328770	UV LIGHT REACTOR #1	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	5/1/21 12:00 AM	7/29/21 06:45 PM	7/29/21 06:45 PM	
2252005	0000328771	UV LIGHT REACTOR #2	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	5/1/21 12:00 AM	7/29/21 06:45 PM	7/29/21 06:45 PM	
2252008	0000328765	ANALYZER CHLORINE UNIT #3 PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Portable chlorine Analyzer #3 Calibration (1m) 1517	COMP	5/1/21 12:00 AM	7/29/21 06:45 PM	7/29/21 06:45 PM	
2252051	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	5/1/21 12:00 AM	7/29/21 06:46 PM	7/29/21 06:46 PM	
2252072			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1517	COMP	5/1/21 12:00 AM	7/29/21 06:46 PM	7/29/21 06:46 PM	
2252081			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	5/1/21 12:00 AM	7/29/21 06:46 PM	7/29/21 06:46 PM	
2252094	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	5/1/21 12:00 AM	7/29/21 06:47 PM	7/29/21 06:47 PM	
2252099	0000328753	WELL PRODUCING #1	1517, Mattawa DWS	PM	Inspection	1	YEARS	Well Producing (1y / 10y) Inspection 1517	COMP	5/1/21 12:00 AM	7/29/21 06:47 PM	7/29/21 06:47 PM	
2252250			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	5/1/21 12:00 AM	7/29/21 06:50 PM	7/29/21 06:50 PM	
2267223	0000328818	METER FLOW FIT 101	1517, Mattawa DWS	PM	Calibration	1	YEARS	Meter Flow Calibration (1y) 1517	COMP	5/11/21 12:00 AM	7/29/21 06:50 PM	7/29/21 06:50 PM	
2267228	0000328820	METER FLOW	1517, Mattawa DWS	PM	Calibration	1	YEARS	Meter Flow Calibration (1y) 1517	COMP	5/11/21 12:00 AM	7/29/21 06:50 PM	7/29/21 06:50 PM	
2299057	0000328763	ANALYZER TURBIDITY PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Turbidity Analyzer Calibration (1m) 1517	COMP	6/1/21 12:00 AM	7/29/21 06:52 PM	7/29/21 06:52 PM	
2299062	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	6/1/21 12:00 AM	7/29/21 06:53 PM	7/29/21 06:53 PM	
2299065	0000328770	UV LIGHT REACTOR #1	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	6/1/21 12:00 AM	7/29/21 06:53 PM	7/29/21 06:53 PM	
2299068	0000328771	UV LIGHT REACTOR #2	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	6/1/21 12:00 AM	7/29/21 06:53 PM	7/29/21 06:53 PM	
2299071	0000328765	ANALYZER CHLORINE UNIT #3 PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Portable chlorine Analyzer #3 Calibration (1m) 1517	COMP	6/1/21 12:00 AM	7/29/21 06:54 PM	7/29/21 06:54 PM	

Workorder Summary Report

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

Report End Date: Jun 30, 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
2299120	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	6/1/21 12:00 AM	7/29/21 06:54 PM	7/29/21 06:54 PM	
2299141			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1517	COMP	6/1/21 12:00 AM	7/29/21 06:55 PM	7/29/21 06:55 PM	
2299150			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	6/1/21 12:00 AM	7/29/21 06:55 PM	7/29/21 06:55 PM	
2299163	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	6/1/21 12:00 AM	7/29/21 06:56 PM	7/29/21 06:56 PM	
2299279			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	6/1/21 12:00 AM	7/29/21 06:58 PM	7/29/21 06:58 PM	



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MATTAWA WATER & WASTEWATER SYSTEMS QUARTERLY OPERATIONS REPORT

Appendix B - Work Order Summary for WWTL

Workorder Summary Report

Report Start Date: Apr 1, 2021 12:00 AM
Report End Date: Jun 30, 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
2265566			Mattawa WWT	CORR	Refurbish/ Replace/Repair	0		Mattawa Blake St Sewage Lift Station Empellor Bolts Repair. 1541	COMP		5/4/21 10:03 AM	5/4/21 10:03 AM	
2222837			1541, Mattawa Wastewater System	CAP	Refurbish/ Replace/Repair	0		451 Bissett Sewage Pump Station: soft start replacements	COMP		5/10/21 02:34 PM	5/10/21 02:34 PM	soft start replacements -Replace soft starts that were damaged during Wellhouse ATS installation. soft start details - Two SCHNEIDER ATS48C11Y (100HP/600V/3PH soft starter) Two SCHNEIDER VW3G48101 (remote display c/w cable)
2206872			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	4/1/21 12:00 AM	7/29/21 06:40 PM	7/29/21 06:40 PM	
2206879			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	4/1/21 12:00 AM	7/29/21 06:41 PM	7/29/21 06:41 PM	
2211805			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	4/1/21 12:00 AM	7/29/21 06:42 PM	7/29/21 06:42 PM	
2221449	0000328874	GENERATOR ELECTRIC DIESEL BACKUP POWER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	4/2/21 12:00 AM	7/29/21 06:42 PM	7/29/21 06:42 PM	
2224112	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	4/16/21 12:00 AM	7/29/21 06:43 PM	7/29/21 06:43 PM	
2225169	0000328842	GENERATOR ELECTRIC DIESEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	4/23/21 12:00 AM	7/29/21 06:43 PM	7/29/21 06:43 PM	
2225220			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 1541	COMP	4/23/21 12:00 AM	7/29/21 06:49 PM	7/29/21 06:49 PM	
2226274	0000328901	GENERATOR ELECTRIC DIESEL	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	4/30/21 12:00 AM	7/29/21 06:44 PM	7/29/21 06:44 PM	
2252123			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	5/1/21 12:00 AM	7/29/21 06:47 PM	7/29/21 06:47 PM	
2252130			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	5/1/21 12:00 AM	7/29/21 06:48 PM	7/29/21 06:48 PM	
2255859			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	5/1/21 12:00 AM	7/29/21 06:50 PM	7/29/21 06:50 PM	

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

Report End Date: Jun 30, 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
2267248	0000328855	METER FLOW	1541, Mattawa Wastewater System	PM	Calibration	1	YEARS	Meter Flow Calibration (1y) 1541	COMP	5/11/21 12:00 AM	7/29/21 06:51 PM	7/29/21 06:51 PM	
2268165	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	5/16/21 12:00 AM	7/29/21 06:52 PM	7/29/21 06:52 PM	
2299168	0000328859	ANALYZER GAS BUMP TEST	1541, Mattawa Wastewater System	PM	Calibration	6	MONTHS	Analyzer Gas C02 (6m) 1541	COMP	6/1/21 12:00 AM	7/29/21 06:57 PM	7/29/21 06:57 PM	Analyzer Gas C02 (6m) 1541 -Analyzer is bump tested/calibrated before each use JD
2299188			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	6/1/21 12:00 AM	7/29/21 06:57 PM	7/29/21 06:57 PM	
2299195			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	6/1/21 12:00 AM	7/29/21 06:58 PM	7/29/21 06:58 PM	
2303327			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	6/1/21 12:00 AM	7/29/21 06:58 PM	7/29/21 06:58 PM	
2315562	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	6/16/21 12:00 AM	7/29/21 06:59 PM	7/29/21 06:59 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: Apr 1, 2021 12:00 AM

Report End Date: Jun 30, 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
2270530			Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		emergency water off 370 poplar st	COMP		5/26/21 06:00 PM	5/26/21 08:30 PM	emergency water off 370 poplar st - Called by Josh D at 1748 for an emergency water off at 370 poplar st. tried calling public works, no luck. arrived at 1845. turned water off. waited while homeowner tried to make repair. after 45 min and three different attempts suggested to get proper parts and call back tomorrow. TF May 26,2021
2266242			1517, Mattawa DWS	CALL	Inspection	0		Hydro Outage, All stations	COMP		4/25/21 08:00 AM	4/25/21 12:00 PM	Hydro Outage, All stations -Planned hydro outage for the entire town, beginning at 0800 on May 25/21. Called to town to check all lift stations and generators. All generators running OK, once power was restored all station came back online, No discharges to the rivers.
2266246			1517, Mattawa DWS	CALL	Inspection	0		Hydro Outage- Entire Town	COMP		4/29/21 09:00 PM	4/30/21 01:00 AM	Hydro Outage -Planned hydro outage for the entire town, beginning at 2100 on April 29/21. Called to town to check all lift stations and generators. All generators running OK, once power was restored all station came back online, No discharges to the rivers. -

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2270519			1517, Mattawa DWS	EMER	Health and Safety	0		Emergency Water Repair 571 Pine St- 1517	COMP		5/21/21 06:00 PM	5/22/21 02:00 AM	Emergency Water Repair 571 Pine St- 1517 -Called by Town of Mattawa Call centre regarding a water leak on Pine st, that was washing out the road/ shoulder. Arrived at 1830 to find the road and shoulder lifting with the water running out. Contacted the PW supervisor Barry, once he got there he called the PW crew to come make the repair. Initially it was thought to be a main break, once we exposed the main in that area, it was found to be an old service that was leaking at the main, the main stop was shut off and the hole was filled in. JD
2318518			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Emergency Water off @ 579 Valois Dr	COMP		6/11/21 04:30 PM	6/11/21 08:30 PM	Emergency Water off @ 579 Valois Dr -Emergency water off, called by Town of Mattawa call center. Arrived on site, shut off water. the home owner made the reappear and water was back on within 20mins. JD



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MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix D - Call-out Report for WWTL

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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
2224164			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		called for line fault wwtp Mattawa 1541	COMP		4/12/21 07:30 PM	4/12/21 11:00 PM	called for line fault wwtp Mattawa 1541 - Called by Josh D for line fault at 1926 at the wwtp. arrived at 2045 found uv in fault acknowledged and checked uv lamps, operational and on. ok TF April 12,2021
2318517			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		Common Alarm @ 300 Mattawan-1541	COMP		6/12/21 09:00 PM	6/12/21 10:30 PM	Common Alarm @ 300 Mattawan-1541 -Called by truesteel for common alarm. Arrived to find the low level alarm activated, the pumps were off and the level was rising. All seemed ok, allowed the station to cycle twice. Will monitor this week. JD



Ontario Clean Water Agency
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Northeastern Ontario Region

MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix E - Performance Assessment Report Water

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

Report extracted 07/29/2021 13:35

01/04/2021 to 30/06/2021

Facility: [1517] MATTAWA DRINKING WATER SYSTEM

Works: [210001905]

	04/2021	05/2021	06/2021	<--Total-->	<--Avg.-->	<--Max.-->	<--Min.-->
Flows:							
Raw Flow: Monthly Total - Well #1 (m³)	33075.29	37571.81	45985.58	116632.68			
Raw Flow: Monthly Total - Well #2 (m³)	5458.93	4767.26	2504.7	12730.89			
Raw Flow: Monthly Avg - Well #1 (m³/d)	1102.51	1211.99	1532.85		1282.45		
Raw Flow: Monthly Avg - Well #2 (m³/d)	181.96	153.78	83.49		139.75		
Raw Flow: Monthly Max - Well #1 (m³/d)	1378.31	1534.39	2011.58			2011.58	
Raw Flow: Monthly Max - Well #2 (m³/d)	434.16	431.09	427.11			434.16	
Raw Flow: Monthly Total - Raw Water - Total (m³)	38534.22	42339.07	48490.28	129363.57			
Raw Flow: Monthly Avg - Raw Water - Total (m³/d)	1284.47	1365.78	1616.34		1422.2		
Raw Flow: Monthly Max - Raw Water - Total (m³/d)	1601.12	1664.01	2057.35			2057.35	
Turbidity:							
Raw: Max Turbidity - Well #1 (NTU)	0.33	0.32	0.29			0.33	
Raw: Max Turbidity - Well #2 (NTU)	0.29	0.3	0.31			0.31	
Chemical Parameters:							
Treated: Max Nitrite - TW (mg/L)	< 0.1					< 0.1	
Treated: Max Nitrate - TW (mg/L)	1.59					1.59	
Distribution: Max THM - DW (µg/l)	3.39					3.39	
Chlorine Residuals:							
Treated: Min Free Cl2 Resid - TW (mg/L)	0.512	0.384	0.31				0.31
Treated: Max Free Cl2 Resid - TW (mg/L)	4.119	4.119	4.119			4.119	
Dist: Min Free Cl2 Resid - DW (mg/L)	0.722	0.655	0.641				0.641
Dist: Max Free Cl2 Resid - DW (mg/L)	2.273	1.847	1.957			2.273	
Bacti Samples Collected:							
Raw Bacti: # of samples - Well #1	4	4	5	13			
Raw Bacti: # of samples - Well #2	4	4	5	13			
Treated Bacti: # of samples - TW	4	4	5	13			
Dist Bacti: # of samples - DW	12	12	15	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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MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix F - Performance Assessment Report Wastewater

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

Report extracted 07/30/2021 11:26

From: 01/04/2021 to 30/06/2021

Facility: [1541] MATTAWA WASTEWATER TREATMENT FACILITY

Works: [110000436]

	04/2021	05/2021	06/2021	<--Total-->	<--Avg.-->	<--Max.-->
Flows:						
Raw Flow: Total - Raw (m³)	27271.00	17484.00	18130.00	62885.00		
Raw Flow: Avg - Raw (m³/d)	909.03	564.00	604.33		692.46	
Raw Flow: Max - Raw (m³/d)	2092.00	754.00	774.00			2092.00
Eff. Flow: Total - Eff (m³)	27271.00	17484.00	18130.00	62885.00		
Eff. Flow: Avg - Eff (m³/d)	909.03	564.00	604.33		692.46	
Eff. Flow: Max - Eff (m³/d)	2092.00	754.00	774.00			2092.00
Carbonaceous Biochemical Oxygen Demand: CBOD:						
Eff: Avg cBOD5 - Eff (mg/L)	15.300	5.200	9.200		9.900	15.300
Eff: # of samples of cBOD5 - Eff (mg/L)	1	1	1	3		
Loading: cBOD5 - Eff (kg/d)	13.908	2.933	5.560		7.467	13.908
Biochemical Oxygen Demand: BOD5:						
Raw: Avg BOD5 - Raw (mg/L)	176.800	169.200	209.400		169.2	209.400
Raw: # of samples of BOD5 - Raw (mg/L)	1	1	1	3		
Eff: Avg BOD5 - Eff (mg/L)	23.800	7.100	8.800		13.233	23.800
Eff: # of samples of BOD5 - Eff (mg/L)	1	1	1	3		
Loading: BOD5 - Eff (kg/d)	21.635	4.004	5.318		10.319	21.635
Percent Removal: BOD5 - Raw (mg/L)	0.000	0.000	0.000			0.000
Total Suspended Solids: TSS:						
Raw: Avg TSS - Raw (mg/L)	194.000	102.000	210.000		102	210.000
Raw: # of samples of TSS - Raw (mg/L)	1	1	1	3		
Eff: Avg TSS - Eff (mg/L)	17.700	13.700	42.000		24.467	42.000
Eff: # of samples of TSS - Eff (mg/L)	1	1	1	3		
Loading: TSS - Eff (kg/d)	16.090	7.727	25.382		16.400	25.382
Percent Removal: TSS - Raw (mg/L)	0.000	0.000	0.000			0.000
Total Phosphorus: TP:						
Raw: Avg TP - Raw (mg/L)	3.160	2.590	3.250		2.59	3.250
Raw: # of samples of TP - Raw (mg/L)	1	1	1	3		
Eff: Avg TP - Eff (mg/L)	1.273	1.520	1.506		1.433	1.520
Eff: # of samples of TP - Eff (mg/L)	4	4	5	13		
Loading: TP - Eff (kg/d)	1.400	0.632	0.798		0.943	1.400
Percent Removal: TP - Raw (mg/L)	0.000	0.000	0.000			0.000
Nitrogen Series:						
Eff: Avg TAN - Eff (mg/L)	18.650	13.450	11.984		14.695	18.650
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		