

SYSTEM OVERVIEW

January 1st to March 31st, 2020

OPERATIONAL HIGHLIGHTS

Drinking Water System

- The water treatment system operated well during the first quarter.
- Bridge closure due to undermined abutment below water. OCWA staff had scheduled OT to remain onsite as a precaution in case the bridge were to fail and damage a watermain and/or isolate one side of town from the other while drilling takes place.
- Engineering firm, JP2G, and divers reseated watermain crossing river. They performed video inspection of the main and noted that the main was not leaking and in good condition.
- Discussion with MECP regarding their requirement for pressure testing the watermain crossing river. MECP would like to be provided a letter signed by a professional engineer confirming that the pipe integrity is not compromised, pressure in this section of pipe will be maintained (at least 20 psi) all the times and how drop in pressure will be immediately detected.
- Water service repair at 390 Main St.
- Curb stop repair at 549 Valois Dr.
- Mattawa River levels very low in March; so low that the watermain crossing the river was exposed at the shorelines.

Wastewater Treatment

- The wastewater treatment system performed well during the first quarter.
- First Street Sewage Lift Station (SLS) alarm wiring was reconfigured to fix nuisance alarms.
- Pump pulled at 451 Bisette SLS for inspection since the pump keeps tripping. Further troubleshooting may be required.

CAPITAL PLAN PROGRESS

Drinking Water System

- Ballast #1 on UV #2 was replaced due to failure.
- UV sensor on UV #2 replaced due to low UV alarms leading to system shutdowns.
- Replaced ballast #2 on UV system #2 due to failure alarms.
- Clow hydrant representative worked with Mattawa and OCWA staff to repair and rebuild hydrants. A special hydrant was fabricated locally to complete the repairs.
- UV system issues regarding transmittance and Opti-View readings. Replacement parts including UV lamp, expansion card and intensity sensor were ordered.

Wastewater Treatment System

- N/A

ASSET MANAGEMENT

See Appendix A - Work Order summary for water treatment plant (WTP)
 See Appendix B - Work Order summary for wastewater treatment lagoon (WWTL)

CALL-OUT SUMMARY

See Appendix C – Call-out Report for WTP
 See Appendix D – Call-out Report for WWTL

REGULATORY

- All drinking water samples required under O. Regulation 170/03 were collected and tested in the first quarter of 2020 and all results fell within regulatory limits.
- 2019 annual report completed January 24, 2020.
- Permit to take Water (PTTW) reporting completed February 20, 2020.
- Quarterly trihalomethanes (THM), haloacetic acids (HAA), Nitrate and Nitrite sampling completed January 20, 2020.
- No Ministry of the Environment, Conservation and Parks (MECP) or Ministry of Labour (MOL) inspections conducted this quarter.
- All required sewage samples required under the system's Environmental Compliance Approval (ECA) were collected and tested in the first quarter of 2020.
- 2019 annual sewage report completed January 10, 2020.
- Annual WSER reporting completed.

INCIDENTS AND COMPLAINTS

Mattawa Drinking Water System

Incident	n/a
Date	
Details	

Mattawa Wastewater System

Incident	n/a
Date	
Details	

HEALTH AND SAFETY

- Staff training completed on WHMIS
- Staff training completed on Transportation of Dangerous Goods.
- Staff training completed on the “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



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: Jan 1, 2020 12:00 AM
Report End Date: Mar 31, 2020 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
1572380	0000328763	ANALYZER TURBIDITY PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Turbidity Analyzer Calibration (1m) 1517	COMP	1/1/20 12:00 AM	5/10/20 03:48 PM	5/10/20 03:48 PM	
1572400	0000328770	UV LIGHT REACTOR #1	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	1/1/20 12:00 AM	5/10/20 03:45 PM	5/10/20 03:45 PM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 -UV sensor was faulty, it was switched with the new spare sensor. Completed check with the new sensor "PASS" JD January 30/20
1572403	0000328771	UV LIGHT REACTOR #2	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	CLOSE	1/1/20 12:00 AM	1/29/20 01:17 PM	1/29/20 01:17 PM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 -UV reference sensor check completed January 29/20 by Josh D. UV 2 PASS.
1572406	0000328765	ANALYZER CHLORINE UNIT #3 PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Portable chlorine Analyzer #3 Calibration (1m) 1517	CLOSE	1/1/20 12:00 AM	1/29/20 01:20 PM	1/29/20 01:20 PM	Portable chlorine Analyzer #3 Calibration (1m) 1517 -Verified Pocket colorimeter against standards on January 27/20.PASS JD
1572481			1517, Mattawa DWS	PM	Inspection	3	MONTHS	Replace UV Air Filters 1517	COMP	1/1/20 12:00 AM	5/10/20 03:46 PM	5/10/20 03:46 PM	
1572489	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	BUSCOMP	1/1/20 12:00 AM	5/10/20 03:46 PM	5/10/20 03:46 PM	
1572510	0000328765	ANALYZER CHLORINE UNIT #3 PORTABLE	1517, Mattawa DWS	PM	Calibration	1	YEARS	Chlorine Analyzers Calibration (1y) 1517	COMP	1/1/20 12:00 AM	5/11/20 07:54 AM	5/11/20 07:54 AM	
1572513	0000328817	ANALYZER CHLORINE	1517, Mattawa DWS	PM	Calibration	1	YEARS	Chlorine Analyzers Calibration (1y) 1517	COMP	1/1/20 12:00 AM	5/11/20 07:52 AM	5/11/20 07:52 AM	
1572521			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1517	BUSCOMP	1/1/20 12:00 AM	5/10/20 03:47 PM	5/10/20 03:47 PM	
1572535	0000328801	PUMP DIAPHRAGM 01 SODIUM HYPOCHLORITE	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Diaphragm Inspection (1y) 1517	COMP	1/1/20 12:00 AM	5/11/20 07:51 AM	5/11/20 07:51 AM	
1572541	0000328802	PUMP DIAPHRAGM 02 SODIUM HYPOCHLORITE	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Diaphragm Inspection (1y) 1517	COMP	1/1/20 12:00 AM	5/11/20 07:54 AM	5/11/20 07:54 AM	
1572547			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	BUSCOMP	1/1/20 12:00 AM	5/10/20 03:47 PM	5/10/20 03:47 PM	

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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
1572560			1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Annual Facility Valves Inspection (1y) 1517	COMP	1/1/20 12:00 AM	5/11/20 07:54 AM	5/11/20 07:54 AM	
1572567	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	1/1/20 12:00 AM	5/11/20 07:55 AM	5/11/20 07:55 AM	
1572572	0000328757	VALVE RELIEF	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Valve Relief Air Insp/Service (1y) 1517	COMP	1/1/20 12:00 AM	5/11/20 07:51 AM	5/11/20 07:51 AM	
1572575	0000328762	VALVE RELIEF	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Valve Relief Air Insp/Service (1y) 1517	COMP	1/1/20 12:00 AM	5/11/20 07:51 AM	5/11/20 07:51 AM	
1572821			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	BUSCOMP	1/1/20 12:00 AM	5/10/20 03:51 PM	5/10/20 03:51 PM	
1586477			Mattawa DWS	CAP	Refurbish/ Replace/Repair	0		Hydrant 11 @1150 Lily leaking/ froze Mattawa 1517	COMP		2/25/20 01:09 PM	3/2/20 09:53 AM	Hydrant 11 @1150 Lily leaking/ froze Mattawa 1517 - while reviewing records noticed hydrant identified as being wet, went and checked noticed it was frozen solid. advised Barry it needed thawing asap. Barry had Badger come and Thaw with hot water. cycled hydrant would not stop leaking. priced out lower rod repair and sent to Barry. Barry said to proceed with the repairs. ordered parts from Corix,cheaper than wamco. TF Jan 22/20 parts in - replaced lower rod and cleaned up bearings. hydrant operates nicely and shuts off. TF Feb 24/20
1586514			1517, Mattawa DWS	CAP	Administrative	0		Bar Finder Purchase - 1517	CLOSE		1/29/20 01:24 PM	1/29/20 01:24 PM	Bar Finder Purchase - 1517 -Approval to purchase bar finder on 01/22/2020 by Eric N. JD Bar Finder Purchase - 1517 -Bar finder was received same day as ok was given to order. JD
1587516			1517, Mattawa DWS	CORR	Refurbish/ Replace/Repair	0		Frozen fire hydrant	COMP		2/24/20 09:24 AM	2/24/20 09:24 AM	Frozen hydrant repairs -Use town steamer to thaw frozen hydrant on pine st @ fj high school. January 30/2020. Josh D
1611931			1517, Mattawa DWS	PM	Inspection	6	MONTHS	CL2 sensor change Electrolyte and membrane cap (6m) 1517	BUSCOMP	2/1/20 12:00 AM	5/10/20 03:49 PM	5/10/20 03:49 PM	

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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
1611938	0000328787	ANALYZER UV TRANSMITTANCE	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	3	MONTHS	UV Transmitter Optiview calibration (6m) 1517	BUSCOMP	2/1/20 12:00 AM	5/10/20 03:50 PM	5/10/20 03:50 PM	
1611949	0000328763	ANALYZER TURBIDITY PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Turbidity Analyzer Calibration (1m) 1517	BUSCOMP	2/1/20 12:00 AM	5/10/20 03:50 PM	5/10/20 03:50 PM	
1611954	0000328770	UV LIGHT REACTOR #1	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	2/1/20 12:00 AM	3/23/20 02:53 PM	3/23/20 02:53 PM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 -UV #1 Sensor Check, "PASS" JD
1611957	0000328771	UV LIGHT REACTOR #2	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	2/1/20 12:00 AM	3/23/20 02:54 PM	3/23/20 02:54 PM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 -Completed UV #2 Reference sensor check. "PASS" JD
1611960	0000328765	ANALYZER CHLORINE UNIT #3 PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Portable chlorine Analyzer #3 Calibration (1m) 1517	COMP	2/1/20 12:00 AM	5/10/20 03:50 PM	5/10/20 03:50 PM	
1612003			1517, Mattawa DWS	PM	Inspection	6	MONTHS	CL2 sensor change Electrolyte and membrane cap (POE) (6m) 1517	COMP	2/1/20 12:00 AM	5/10/20 03:53 PM	5/10/20 03:53 PM	
1612010	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	2/1/20 12:00 AM	5/10/20 03:53 PM	5/10/20 03:53 PM	
1612031			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1517	COMP	2/1/20 12:00 AM	5/10/20 03:53 PM	5/10/20 03:53 PM	
1612040			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	2/1/20 12:00 AM	5/10/20 03:52 PM	5/10/20 03:52 PM	
1612056			1517, Mattawa DWS	PM	Inspection	1	YEARS	Ups Battery Bank Insp/Service (1y) 1517	COMP	2/1/20 12:00 AM	5/10/20 03:52 PM	5/10/20 03:52 PM	
1612063	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	2/1/20 12:00 AM	5/10/20 03:54 PM	5/10/20 03:54 PM	
1612174			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	2/1/20 12:00 AM	5/10/20 03:56 PM	5/10/20 03:56 PM	
1622506	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	2/8/20 12:00 AM	5/10/20 03:54 PM	5/10/20 03:54 PM	

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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
1623302			1517, Mattawa DWS	CORR	Refurbish/ Replace/Repair	0		Chlorine Pump Failure @ WTP-1517	COMP		2/7/20 10:45 AM	2/7/20 01:45 PM	Chlorine Pump Failure @ WTP-1517 -While filling the chlorine holding tank the plant was running and both chlorine pumps airlocked, I could not get the m to restart. @1044 I shut down the plant manually to prevent a low chlorine alarm. Cleared the air, restarted and it shutdown due to chlorine pump fail again. I changed the foot valve on pump #1, and change # 1 to the spare pump. Restarted the plant all was "OK". I then proceeded to rebuild pump # 1 with good used parts and installed it in place of pump # 2. JD Chlorine Pump Failure @ WTP-1517 -I have been in contact with METCON to get replacement parts and spares for metcon board, awaiting quote.JD
1651153	0000328763	ANALYZER TURBIDITY PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Turbidity Analyzer Calibration (1m) 1517	COMP	3/1/20 12:00 AM	5/10/20 03:59 PM	5/10/20 03:59 PM	
1651158	0000328770	UV LIGHT REACTOR #1	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	3/1/20 12:00 AM	4/13/20 04:55 PM	4/13/20 04:55 PM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 -Completed UV #1 Check, All ok, PASS. JD
1651161	0000328771	UV LIGHT REACTOR #2	1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	3/1/20 12:00 AM	4/13/20 04:57 PM	4/13/20 04:57 PM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 -UV #2 Sensor check completed. All OK, UV 2 PASS, JD
1651164	0000328765	ANALYZER CHLORINE UNIT #3 PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Portable chlorine Analyzer #3 Calibration (1m) 1517	COMP	3/1/20 12:00 AM	5/10/20 03:58 PM	5/10/20 03:58 PM	
1651214	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	3/1/20 12:00 AM	5/10/20 04:00 PM	5/10/20 04:00 PM	
1651244			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1517	COMP	3/1/20 12:00 AM	5/10/20 04:01 PM	5/10/20 04:01 PM	

Workorder Summary Report

Report Start Date: Jan 1, 2020 12:00 AM

Report End Date: Mar 31, 2020 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
1651253			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	3/1/20 12:00 AM	5/10/20 04:01 PM	5/10/20 04:01 PM	
1651264	0000328772	TANK STORAGE HOT WATER	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Hot Water Insp. (1y) - 1517	COMP	3/1/20 12:00 AM	5/10/20 04:02 PM	5/10/20 04:02 PM	
1651269	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	3/1/20 12:00 AM	5/11/20 07:55 AM	5/11/20 07:55 AM	
1651356			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	3/1/20 12:00 AM	5/10/20 04:03 PM	5/10/20 04:03 PM	



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Northeastern Ontario Region

MATTAWA WATER & WASTEWATER SYSTEMS QUARTERLY OPERATIONS REPORT

Appendix B - Work Order Summary for WWTL

Workorder Summary Report

Report Start Date: Jan 1, 2020 12:00 AM

Report End Date: Mar 31, 2020 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
1572654			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	1/1/20 12:00 AM	5/10/20 03:51 PM	5/10/20 03:51 PM	
1572668			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	1/1/20 12:00 AM	5/10/20 03:51 PM	5/10/20 03:51 PM	
1585694	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	1/16/20 12:00 AM	5/10/20 03:48 PM	5/10/20 03:48 PM	
1612102			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	2/1/20 12:00 AM	5/10/20 03:57 PM	5/10/20 03:57 PM	
1612109	0000328891	PUMP PERISTALTIC 01	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Peristaltic 01 Alum Insp/ Service (1y) - 1541	COMP	2/1/20 12:00 AM	5/10/20 03:57 PM	5/10/20 03:57 PM	
1612126	0000328892	PUMP PERISTALTIC 02	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Peristaltic 01 Alum Insp/ Service (1y) - 1541	COMP	2/1/20 12:00 AM	5/10/20 03:58 PM	5/10/20 03:58 PM	
1612143			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	2/1/20 12:00 AM	5/10/20 03:57 PM	5/10/20 03:57 PM	
1623087	0000328874	GENERATOR ELECTRIC DIESEL BACKUP POWER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	2/13/20 12:00 AM	5/10/20 03:56 PM	5/10/20 03:56 PM	
1623090	0000328842	GENERATOR ELECTRIC DIESEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	2/13/20 12:00 AM	5/10/20 04:00 PM	5/10/20 04:00 PM	
1623093	0000328901	GENERATOR ELECTRIC DIESEL	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	2/13/20 12:00 AM	5/10/20 03:59 PM	5/10/20 03:59 PM	
1623450	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	2/16/20 12:00 AM	5/10/20 03:59 PM	5/10/20 03:59 PM	
1651294			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	3/1/20 12:00 AM	5/10/20 04:02 PM	5/10/20 04:02 PM	
1651301			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	3/1/20 12:00 AM	5/10/20 04:03 PM	5/10/20 04:03 PM	
1663362	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	3/16/20 12:00 AM	5/10/20 04:03 PM	5/10/20 04:03 PM	



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Northeastern Ontario Region

MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix C – Call-out Report for WTP

Workorder Summary Report

Report Start Date: Jan 1, 2020 12:00 AM

Report End Date: Mar 31, 2020 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
1586958			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		UV # 1 Fail Alarm- WTP- 1517	COMP		1/27/20 08:23 AM	1/27/20 08:29 AM	UV # 1 Fail Alarm- WTP- 1517 -Called by truesteel at 0530for UV 1 fail alarm. I could not check the plant remotely therefore I had to go and check the plant. Found the plant to be running on UV #2. UV 1 had failed under low UV dosage. Checked all settings everything seemed to be fine. Will investigate the issue further. JD
1586960			1517, Mattawa DWS	CALL	Compliance	0		Chemical Duty Pump Failure- WTP- 1517	COMP		1/27/20 08:29 AM	1/27/20 08:35 AM	Chemical Duty Pump Failure- WTP- 1517 -Called by truesteel for Chemical duty pump failure. Arrived on site 1950, found the pumps to be airlocked. Cleared air and alarms, plant went into auto restart and then shut down again. for HI/LOW chlorine. Attempted to reset alarms and they would not reset. found the POE analyzer to be different from the SCADA reading. checked fuses for the POE all OK, I disconnected the alarm wires from the POE analyzer to allow the plant to run. Further investigation is required. JD

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1664265			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Emergency Water off 354 Main st - 1517	COMP		2/29/20 10:45 AM	2/29/20 02:45 PM	Emergency Water off 354 Main st - 1517 -Called by Barry Jackson (PW supervisor) for an emergency water off at 354 Main st @ 1045, Arrived at 354 Main st @ 1120. Shut water off at 1125. Landlord asked water to be left off until could be fixed later today. Emergency Water off 354 Main st - 1517 -Called by Grant Oneil @ 1625 to turn water back on at 354 Main st. Arrived at 1700. Turned water back on. Turned off again at 1708 due to leaking. Turned back on at 1725. Emergency Water off 354 Main st - 1517 -Called back to 354 Main St. arrived and water off at 1154, service leaking inside building once again. Turned back on at 1212.



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Northeastern Ontario Region

MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix D - Call-out Report for WWTL

Workorder Summary Report

Report Start Date: Jan 1, 2020 12:00 AM

Report End Date: Mar 31, 2020 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
1584602	0000328917	PUMP SUBMERSIBLE #1 WET WELL 200 BROOK ST.	1541, Mattawa Wastewater System	EMER	Refurbish/ Replace/Repair	0		High level alarm @ 200 brook st sewage station	CLOSE		1/7/20 02:06 PM	1/7/20 02:23 PM	High level alarm @ 200 brook st sewage station- 1541 -Called by truesteel at 1406 January 7/20 for high level alarm @ 200 brook st sewage lift station. Arrived @ 1410. Checked the wet well and the level was acceptable and there was no signs of high level. Checked the control panel and no alarms had been logged in the history. Checked both pumps in hand- both are working properly. Issue is unknown at this time for the false call out. JD
1662500			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		451 Bissette st ps pump 2 fault Mattawa 1541	COMP		3/6/20 08:30 PM	3/6/20 11:30 PM	451 Bissette st ps pump 2 fault Mattawa 1541 - called by true steel at 2020 for pump fault 451 bissette st. arrived at 2130 found pump1 running wet well level ok. pump 2 tripped. once pump 1 cycle finished reset pump 2 and test ran lowered wet well level did not trip. reset alarms. TF Mar6/20
1664275			1541, Mattawa Wastewater System	EMER	Refurbish/ Replace/Repair	0		Tripped Pump #2 451 Bissett St. - 1541	COMP		3/23/20 02:41 PM	3/23/20 02:49 PM	Tripped Pump #2 451 Bissett St. - 1541 -While checking stations, found 451 Bissett St station to be in alarm. Checked the issue further. Found pump # 2 to be tripped. Reset and let the station cycle. All ok. Called back an hour later for the same issue, Pump # 2 breaker tripped. Pulled pump # 2, inspected the pump and volute. All was clear, spun easily, no signs of any damage or blockage. Re-installed pump, All seems OK. Spoke with Rick Hebert about the issue. He came and checked the issue. He thinks it is the main breaker and becoming faulty. JD



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Northeastern Ontario Region

MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix E - Performance Assessment Report Water

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

Report extracted 05/11/2020 14:09

From January 1, 2020 to March 31, 2020

Facility: [1517] MATTAWA DRINKING WATER SYSTEM

Works: [210001905]

		01/2020	02/2020	03/2020	<--Total-->	<--Avg.-->	<--Max.-->	<--Min.-->	
Flows:									
Raw Flow: Monthly Total - Well #1 (m³)		45642.44	47595.26	47627.36	140865.06				
Raw Flow: Monthly Total - Well #2 (m³)		10817.3	13318.59	12460.83	36596.72				
Raw Flow: Monthly Avg - Well #1 (m³/d)		1472.34	1641.22	1536.37		1549.97			
Raw Flow: Monthly Avg - Well #2 (m³/d)		348.95	459.26	401.96		403.39			
Raw Flow: Monthly Max - Well #1 (m³/d)		1748.38	1831.83	1798.59			1831.83		
Raw Flow: Monthly Max - Well #2 (m³/d)		582.15	562.99	538.8			582.15		
Raw Flow: Monthly Total - Raw Water - Total (m³)		56459.74	60913.85	60088.19	177461.78				
Raw Flow: Monthly Avg - Raw Water - Total (m³/d)		1821.28	2100.48	1938.33		1953.36			
Raw Flow: Monthly Max - Raw Water - Total (m³/d)		2042.29	2302.65	2295.17			2302.65		
Turbidity:									
Raw: Max Turbidity - Well #1 (NTU)		0.27	0.5	0.38			0.5		
Raw: Max Turbidity - Well #2 (NTU)		0.3	0.76	0.22			0.76		
Chemical Parameters:									
Treated: Max Nitrite - TW (mg/L)	<	0.1					< 0.1		
Treated: Max Nitrate - TW (mg/L)		1.57					1.57		
Distribution: Max THM - DW (µg/l)	<	2					< 2		
Chlorine Residuals:									
Dist: Min Free Cl2 Resid - DW (mg/L)		0.339	0.206	0.142				0.142	
Dist: Max Free Cl2 Resid - DW (mg/L)		1.507	1.247	3.041			3.041		
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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Northeastern Ontario Region

MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix F - Performance Assessment Report Wastewater

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

Report extracted 05/11/2020 13:16

From January 1, 2020 to March 31, 2020

Facility: [1541] MATTAWA WASTEWATER TREATMENT FACILITY

Works: [110000436]

	01/2020	02/2020	03/2020	<--Total-->	<--Avg.-->	<--Max.-->	<--Criteria-->
Flows:							
Raw Flow: Total - Raw (m³)	21624.00	21394.00	27563.00	70581.00			
Raw Flow: Avg - Raw (m³/d)	697.55	737.72	889.13		774.80		
Raw Flow: Max - Raw (m³/d)	821.00	912.00	1596.00			1596.00	
Eff. Flow: Total - Eff (m³)	21624.00	21394.00	27563.00	70581.00			
Eff. Flow: Avg - Eff (m³/d)	697.55	737.72	889.13		774.80		
Eff. Flow: Max - Eff (m³/d)	821.00	912.00	1596.00			1596.00	
Carbonaceous Biochemical Oxygen Demand: CBOD:							
Eff: Avg cBOD5 - Eff (mg/L)	3.400	3.400	5.000		3.933	5.000	25.0
Eff: # of samples of cBOD5 - Eff (mg/L)	1	1	1	3			
Loading: cBOD5 - Eff (kg/d)	2.372	2.508	4.446		3.109	4.446	
Biochemical Oxygen Demand: BOD5:							
Raw: Avg BOD5 - Raw (mg/L)	77.800	240.300	105.200		141.100	240.300	
Raw: # of samples of BOD5 - Raw (mg/L)	1	1	1	3			
Eff: Avg BOD5 - Eff (mg/L)	4.800	5.600	7.900		6.100	7.900	30.0
Eff: # of samples of BOD5 - Eff (mg/L)	1	1	1	3			
Loading: BOD5 - Eff (kg/d)	3.348	4.131	7.024		4.835	7.024	
Percent Removal: BOD5 - Raw (mg/L)	0.000	0.000	0.000			0.000	
Total Suspended Solids: TSS:							
Raw: Avg TSS - Raw (mg/L)	128.000	136.000	114.000		126.000	136.000	
Raw: # of samples of TSS - Raw (mg/L)	1	1	1	3			
Eff: Avg TSS - Eff (mg/L)	7.100	10.100	11.400		9.533	11.400	30.0
Eff: # of samples of TSS - Eff (mg/L)	1	1	1	3			
Loading: TSS - Eff (kg/d)	4.953	7.451	10.136		7.513	10.136	
Percent Removal: TSS - Raw (mg/L)	0.000	0.000	0.000			0.000	
Total Phosphorus: TP:							
Raw: Avg TP - Raw (mg/L)	1.510	3.460	2.840		2.603	3.460	
Raw: # of samples of TP - Raw (mg/L)	1	1	1	3			
Eff: Avg TP - Eff (mg/L)	1.490	1.635	1.644		1.590	1.644	2.5
Eff: # of samples of TP - Eff (mg/L)	4	4	5	13			
Loading: TP - Eff (kg/d)	0.963	1.527	1.512		1.334	1.527	3.91
Percent Removal: TP - Raw (mg/L)	0.000	0.000	0.000			0.000	
Nitrogen Series:							
Eff: Avg TAN - Eff (mg/L)	20.850	13.950	18.680		17.827	20.850	
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			