

SYSTEM OVERVIEW

April 1st to June 30th , 2024

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.
- McKenzie Sewage Lift Station (SLS) pump has been rebuilt.
- Brush fire burned within 100' of the lagoons. Fire was extinguished.

CAPITAL PLAN PROGRESS

Drinking Water System

- Repaired the 2" waterline in the water treatment plant that sprung a leak.
- New ultra-violet transmittance (UVT) analyzer 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 2024 and all results fell within regulatory limits.
- Winter term lead, pH and alkalinity sampling completed April 10, 2024.
- Quarterly trihalomethanes (THM), haloacetic acids (HAA), Nitrate and Nitrite sampling completed April 10, 2024.
- Off-site external S1 audit completed June 11, 2024, there was one (1) OFI identified and considered.
- 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 ECA collected and tested in the second quarter of 2024 with one exception, see below.
- Flow meter verification completed.
- Completed OCWA's Integrated Systems Audit (ISA) for the Wastewater Treatment System on April 17. No findings identified.
- Total phosphorus was over the monthly ECA limit of 2.50 mg/L for the month of June 2024, with a final monthly average of 2.54 mg/L. ECA exceedance reported to MECP SAC and local MECP inspector. Alum was periodically being increased during the month; however, during further troubleshooting on July 10 both alum pumps failed. New Alum pump installed July 10 to restore alum. Owner approved purchase of two new alum pumps.

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 Hoisting and Rigging.
- Staff training completed on FEP Binder.
- Staff training completed on Seasonal Environmental Hazards (Summer).

MATTAWA DRINKING WATER SYSTEM PERFORMANCE

See Appendix E – Performance Assessment Report Water

MATTAWA WASTEWATER TREATMENT LAGOON – WASTEWATER FLOW SUMMARY

See Appendix F – Performance Assessment Report Wastewater



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Northeastern Ontario Region

MATTAWA WATER & WASTEWATER SYSTEMS QUARTERLY OPERATIONS REPORT

Appendix A - Work Order Summary for WTP

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3878076	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	4/1/24 12:00 AM	7/22/24 09:08 AM	7/22/24 09:08 AM	
3878079			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	4/1/24 12:00 AM	7/26/24 07:39 AM	7/26/24 07:39 AM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 - UV Reference Check completed. UV Passed no issues
3878082			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	4/1/24 12:00 AM	7/26/24 07:39 AM	7/26/24 07:39 AM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 - UV Reference Check completed. UV Passed no issues
3878085	0000349404	ANALYZER UV REFERENCE #1	1517, Mattawa DWS	PM	Calibration	0		0000349404 ANALYZER UV REFERENCE #1	COMP	4/1/24 12:00 AM	7/26/24 07:39 AM	7/26/24 07:39 AM	
3878088	0000349405	ANALYZER UV REFERENCE #2	1517, Mattawa DWS	PM	Calibration	0		0000349405 ANALYZER UV REFERENCE #2	COMP	4/1/24 12:00 AM	7/26/24 07:39 AM	7/26/24 07:39 AM	
3878091	0000349406	ANALYZER UV #2 DUTY #1	1517, Mattawa DWS	PM	Calibration	0		0000349406 ANALYZER UV #2 DUTY #1	COMP	4/1/24 12:00 AM	7/26/24 07:39 AM	7/26/24 07:39 AM	
3878094	0000349408	ANALYZER UV #2 DUTY #2	1517, Mattawa DWS	PM	Calibration	0		0000349408 ANALYZER UV #2 DUTY #2	COMP	4/1/24 12:00 AM	7/26/24 07:39 AM	7/26/24 07:39 AM	
3878170			1517, Mattawa DWS	PM	Inspection	3	MONTHS	Replace UV Air Filters 1517	COMP	4/1/24 12:00 AM	7/26/24 07:44 AM	7/26/24 07:44 AM	
3878178	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	4/1/24 12:00 AM	7/26/24 07:46 AM	7/26/24 07:46 AM	UVT Analyzer calibration to yellow box (1m) 1517 - Optiview - 99.9% Yellow Box - 99.6% all ok no calibration required
3878199			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Critical Alarm Dialer Route (1m) - 1517	COMP	4/1/24 12:00 AM	7/17/24 09:45 AM	7/17/24 09:45 AM	
3878208			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	4/1/24 12:00 AM	7/17/24 09:46 AM	7/17/24 09:46 AM	
3878221	0000328800	TANK STORAGE SODIUM HYPO	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Holding Sodium Hypo Inspection/Maintenance (1y) 1517	COMP	4/1/24 12:00 AM	7/17/24 09:47 AM	7/17/24 09:47 AM	
3878225	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	4/1/24 12:00 AM	7/22/24 09:01 AM	7/22/24 09:01 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
3878426			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	4/1/24 12:00 AM	7/22/24 09:07 AM	7/22/24 09:07 AM	
3901848	0000328804	ANALYZER CHLORINE / PH AIT 102	1517, Mattawa DWS	PM	Inspection	3	MONTHS	PH Analyzer Calibration (3m) 1517	COMP	4/15/24 12:00 AM	7/26/24 07:59 AM	7/26/24 07:59 AM	PH Analyzer Calibration (3m) 1517 - PH analyzer checked against standards, all ok at this time, no issues found
3901851			1517, Mattawa DWS	PM	Inspection	3	MONTHS	PH Analyzer Calibration (POE) (3m) 1517	COMP	4/15/24 12:00 AM	7/26/24 07:59 AM	7/26/24 07:59 AM	PH Analyzer Calibration (POE) (3m) 1517 - PH analyzer checked against standards, all OK
3928938	0000328787	ANALYZER UV TRANSMITTANCE	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	3	MONTHS	UV Transmitter Optiview calibration (3m) 1517	COMP	5/1/24 12:00 AM	7/26/24 07:44 AM	7/26/24 07:44 AM	UV Transmitter Optiview calibration (3m) 1517 - Opotiview was compared to yellow box analyzer. Op- 100% Yellow-99.9% all OK
3928949	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	5/1/24 12:00 AM	7/26/24 07:48 AM	7/26/24 07:48 AM	Generator Monthly Test (1m) 1517 - Monthly generator test completed, no issues found.
3928952			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	5/1/24 12:00 AM	7/26/24 07:40 AM	7/26/24 07:40 AM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 - UVR Reference Sensor check completed, UV passed, no issues found at this time
3928955			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	5/1/24 12:00 AM	7/26/24 07:41 AM	7/26/24 07:41 AM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 - UVR Reference Sensor check completed, UV passed, no issues found at this time
3928958	0000349404	ANALYZER UV REFERENCE #1	1517, Mattawa DWS	PM	Calibration	0		0000349404 ANALYZER UV REFERENCE #1	COMP	5/1/24 12:00 AM	7/26/24 07:41 AM	7/26/24 07:41 AM	
3928961	0000349405	ANALYZER UV REFERENCE #2	1517, Mattawa DWS	PM	Calibration	0		0000349405 ANALYZER UV REFERENCE #2	COMP	5/1/24 12:00 AM	7/26/24 07:41 AM	7/26/24 07:41 AM	
3928964	0000349406	ANALYZER UV #2 DUTY #1	1517, Mattawa DWS	PM	Calibration	0		0000349406 ANALYZER UV #2 DUTY #1	COMP	5/1/24 12:00 AM	7/26/24 07:41 AM	7/26/24 07:41 AM	
3928967	0000349408	ANALYZER UV #2 DUTY #2	1517, Mattawa DWS	PM	Calibration	0		0000349408 ANALYZER UV #2 DUTY #2	COMP	5/1/24 12:00 AM	7/26/24 07:41 AM	7/26/24 07:41 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
3929023	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	5/1/24 12:00 AM	7/26/24 07:58 AM	7/26/24 07:58 AM	UVT Analyzer calibration to yellow box (1m) 1517 - Optiview checked against Yellow box, all ok, no calibration required at this time
3929046			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Critical Alarm Dialer Route (1m) - 1517	COMP	5/1/24 12:00 AM	7/26/24 07:57 AM	7/26/24 07:57 AM	Critical Alarm Dialer Route (1m) - 1517 - Alarm dialer checked with Generator test, all ok at this time
3929055			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	5/1/24 12:00 AM	7/15/24 09:23 AM	7/15/24 09:23 AM	
3929068	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	5/1/24 12:00 AM	7/22/24 09:02 AM	7/22/24 09:02 AM	
3929218			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	5/1/24 12:00 AM	7/22/24 09:06 AM	7/22/24 09:06 AM	

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3946812			1517, Mattawa DWS	CORR	Refurbish/ Replace/Repair	0		Water leak on 2" distribution supply at WTP -1517	COMP		5/22/24 02:04 PM	5/22/24 02:04 PM	Water leak on 2" distribution supply at WTP -1517 - Rochefort performed emergency repair May 2, 2024. Water leak on 2" distribution supply at WTP -1517 - TROUBLESHOOT. ISOLATED LINE AND DRAINED PRESSURE. CUT OUT OLD COPPER PIPE AND FITTINGS. INSTALLED NEW PIPE AND FITTINGS. ALSO INSTALLED A NEW VALVE AS THE EXISTING ONE DID NOT FULLY CLOSE. TURNED ON WATER AND CHECKED FOR LEAKS. 1.00 LLC 2 BRS PRESS FP BALL VALVE WTR 1.00 LLC 2" P X MPT BZ ADAPTER 1.00 2"X90D P COP ELBOW 1.00 2" P COP COUPLING W/ STOP 1.00 2 X 1/2" C-C-C WROT TEE PRESSURE 8.00 FT - 2 TYPE L HARD COPPER PIPE
3951412			1517, Mattawa DWS	CAP	Refurbish/ Replace/Repair	0		Mattawa Trojan Optiview Replacement	COMP		7/26/24 08:02 AM	7/26/24 08:02 AM	Mattawa Trojan Optiview Replacement - Replace obsolete Optiview with new like-for-like 3rd generation Trojan Optiview UVT analyzer. Mattawa Trojan Optiview Replacement - New Optiview Unit was installed and commisioned on July 22/24bt Trojan Tech, all OK. New unit is operational and working Good

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3952520	0000349411	UV LIGHT REACTOR #1	1517, Mattawa DWS	CORR	Refurbish/ Replace/Repair	0		Replacement Cooling Water Solenoid Valve for UV 1- 1517	COMP		6/3/24 09:42 AM	6/3/24 09:42 AM	Replacement Cooling Water Solenoid Valve for UV 1- 1517 - Order placed for replacement Solenoid valve on 05/28/24. As per quote #2002115821 Order Details - EMCO Product X00826953 8221G7-120AC 1 SOLENOID VALVE
3978580	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	6/1/24 12:00 AM	7/26/24 07:49 AM	7/26/24 07:49 AM	Generator Monthly Test (1m) 1517 - Monthly generator test completed, no issues found.
3978583			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	6/1/24 12:00 AM	7/26/24 07:41 AM	7/26/24 07:41 AM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 - UVR Reference Sensor check completed, UV passed, no issues found at this time
3978586			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	6/1/24 12:00 AM	7/26/24 07:42 AM	7/26/24 07:42 AM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 - UVR Reference Sensor check completed, UV passed, no issues found at this time
3978589	0000349404	ANALYZER UV REFERENCE #1	1517, Mattawa DWS	PM	Calibration	0		0000349404 ANALYZER UV REFERENCE #1	COMP	6/1/24 12:00 AM	7/26/24 07:42 AM	7/26/24 07:42 AM	
3978592	0000349405	ANALYZER UV REFERENCE #2	1517, Mattawa DWS	PM	Calibration	0		0000349405 ANALYZER UV REFERENCE #2	COMP	6/1/24 12:00 AM	7/26/24 07:42 AM	7/26/24 07:42 AM	
3978595	0000349406	ANALYZER UV #2 DUTY #1	1517, Mattawa DWS	PM	Calibration	0		0000349406 ANALYZER UV #2 DUTY #1	COMP	6/1/24 12:00 AM	7/26/24 07:42 AM	7/26/24 07:42 AM	
3978598	0000349408	ANALYZER UV #2 DUTY #2	1517, Mattawa DWS	PM	Calibration	0		0000349408 ANALYZER UV #2 DUTY #2	COMP	6/1/24 12:00 AM	7/26/24 07:42 AM	7/26/24 07:42 AM	
3978660	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	6/1/24 12:00 AM	7/26/24 07:57 AM	7/26/24 07:57 AM	UVT Analyzer calibration to yellow box (1m) 1517 - Optiveiw-100% Yellow Box- 99.8% 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
3978681			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Critical Alarm Dialer Route (1m) - 1517	COMP	6/1/24 12:00 AM	7/26/24 08:05 AM	7/26/24 08:05 AM	Critical Alarm Dialer Route (1m) - 1517 - Alarm dialer is tested monthly with Generator test, all dialed out ok, no issues at this time
3978690			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	6/1/24 12:00 AM	7/15/24 09:24 AM	7/15/24 09:24 AM	
3978703	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	6/1/24 12:00 AM	7/22/24 09:03 AM	7/22/24 09:03 AM	
3978822			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	6/1/24 12:00 AM	7/26/24 08:00 AM	7/26/24 08:00 AM	Analyzer Chlorine Inspection/ Service (1m) 1517 - Chlorine analyzer checked multiple times weekly against handheld unit, all oK at this time



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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, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3878069	0000328854	UV LIGHT REACTOR SYSTEM	1541, Mattawa Wastewater System	PM	Inspection	6	MONTHS	UV Reactor service Spring (6m) 1541	COMP	4/1/24 12:00 AM	7/26/24 09:48 AM	7/26/24 09:48 AM	UV Reactor service Spring (6m) 1541 - UV bulbs were hosed down and checked, all ok. turtle found in the UV chamber, removed and put in the river.
3878239			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	4/1/24 12:00 AM	7/22/24 09:10 AM	7/22/24 09:10 AM	
3878246			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	4/1/24 12:00 AM	7/15/24 09:31 AM	7/15/24 09:31 AM	
3878260	0000328876	TANK STORAGE FUEL LAGOON	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Storage Fuel Diesel Lagoon Insp/Service (1y) 1541	COMP	4/1/24 12:00 AM	7/26/24 07:47 AM	7/26/24 07:47 AM	Tank Storage Fuel Diesel Lagoon Insp/Service (1y) 1541 - Fuel tank inspection complete, NO leaks or issues found at this time
3878268	0000328903	TANK STORAGE FUEL LAGOON	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Storage Fuel Diesel Lagoon Insp/Service (1y) 1541	COMP	4/1/24 12:00 AM	7/26/24 07:47 AM	7/26/24 07:47 AM	Tank Storage Fuel Diesel Lagoon Insp/Service (1y) 1541 - Fuel tank inspection complete, NO leaks or issues found at this time
3878276	0000328838	TANK STORAGE FUEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Storage Fuel Diesel Mckenzie St. Insp/Service (1y) 1541	COMP	4/1/24 12:00 AM	7/26/24 07:48 AM	7/26/24 07:48 AM	Tank Storage Fuel Diesel Mckenzie St. Insp/Service (1y) 1541 -Fuel tank inspection complete, NO leaks or issues found at this time
3882962			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	4/1/24 12:00 AM	7/22/24 09:11 AM	7/22/24 09:11 AM	
3902294	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	4/16/24 12:00 AM	7/15/24 09:32 AM	7/15/24 09:32 AM	
3904041			1541, Mattawa Wastewater System	OPER	Refurbish/ Replace/Repair	0		Pressure washer for Sewage pumps and UV lights	CLOSE		4/28/24 06:26 PM	4/28/24 06:26 PM	Pressure washer for Sewage pumps and UV lights - Pressure washer for cleaning off pumps before mntce and for cleaning STP uv lights before maintenance
3929088			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	5/1/24 12:00 AM	7/22/24 09:11 AM	7/22/24 09:11 AM	
3929095			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	5/1/24 12:00 AM	7/15/24 09:26 AM	7/15/24 09:26 AM	

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3929106	0000328912	TANK PROCESS WET WELL 300 MATTAWAN ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Wet well 300 Mattawan St. Insp/Service (1y) - 1541	COMP	5/1/24 12:00 AM	7/26/24 07:52 AM	7/26/24 07:52 AM	Tank Wet well 300 Mattawan St. Insp/Service (1y) - 1541 - Wet well inspections completed on a weekly basis, currently no issues found with structure.
3929115	0000328922	TANK PROCESS WET WELL 101 BISSETT ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Wet well 101 Bissett St. Insp/ Service (1y) - 1541	COMP	5/1/24 12:00 AM	7/26/24 07:52 AM	7/26/24 07:52 AM	Tank Wet well 101 Bissett St. Insp/ Service (1y) - 1541 - Wet well inspections completed on a weekly basis, currently no issues found with structure.
3929124	0000328919	TANK PROCESS WET WELL 200 BROOK ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Wet well 200 Brook St. Insp/ Service (1y) - 1541	COMP	5/1/24 12:00 AM	7/26/24 07:53 AM	7/26/24 07:53 AM	Tank Wet well 200 Brook St. Insp/ Service (1y) - 1541 - Wet well inspections completed on a weekly basis, currently no issues found with structure.
3929136	0000328916	TANK PROCESS WET WELL 300 LOUIS ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Wet well 300 Louis St. Insp/ Service (1y) - 1541	COMP	5/1/24 12:00 AM	7/26/24 07:53 AM	7/26/24 07:53 AM	Tank Wet well 300 Louis St. Insp/ Service (1y) - 1541 - Wet well inspections completed on a weekly basis, currently no issues found with structure.
3929145	0000328832	TANK PROCESS WET WELL 451 BISSETT ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Wet well 451 Bissett St. Insp/ Service (1y) - 1541	COMP	5/1/24 12:00 AM	7/26/24 07:53 AM	7/26/24 07:53 AM	Tank Wet well 451 Bissett St. Insp/ Service (1y) - 1541 - Wet well inspections completed on a weekly basis, currently no issues found with structure.
3929162	0000328850	TANK PROCESS WET WELL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Wet well 601 Mckenzie St. Insp/Service (1y) - 1541	COMP	5/1/24 12:00 AM	7/26/24 07:54 AM	7/26/24 07:54 AM	Tank Wet well 601 Mckenzie St. Insp/Service (1y) - 1541 - Wet well inspection completed weekly, no issues found with structure at this time
3929171	0000328897	TANK PROCESS WET WELL 1101 BISSETT ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Wet well 1101 Bissett St. Insp/ Service (1y) - 1541	COMP	5/1/24 12:00 AM	7/26/24 07:55 AM	7/26/24 07:55 AM	Tank Wet well 1101 Bissett St. Insp/ Service (1y) - 1541 - Wet well inspection completed weekly, no issues found with structure at this time
3932563			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	5/1/24 12:00 AM	7/15/24 09:35 AM	7/15/24 09:35 AM	
3950237	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	5/16/24 12:00 AM	7/15/24 09:29 AM	7/15/24 09:29 AM	

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3978708	0000328859	ANALYZER GAS BUMP TEST	1541, Mattawa Wastewater System	PM	Calibration	6	MONTHS	Analyzer Gas C02 (6m) 1541	COMP	6/1/24 12:00 AM	7/26/24 08:04 AM	7/26/24 08:04 AM	- Handheld CO monitor is bump tested when used and calibrated as it fails bump test, all OK at this time
3978719			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	6/1/24 12:00 AM	7/22/24 09:14 AM	7/22/24 09:14 AM	
3978726			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	6/1/24 12:00 AM	7/15/24 09:27 AM	7/15/24 09:27 AM	
3978737			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Process Lagoon Cells Insp/ Service (1y) - 1541	COMP	6/1/24 12:00 AM	7/26/24 07:56 AM	7/26/24 07:56 AM	Tank Process Lagoon Cells Insp/ Service (1y) - 1541 - Lagoon cells checked with daily onsite, all OK,noo issues currently with cells
3978751	0000328858	TANK STORAGE HOT WATER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Hot Water Insp. (1y) - 1541	COMP	6/1/24 12:00 AM	7/22/24 09:15 AM	7/22/24 09:15 AM	
3982474			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	6/1/24 12:00 AM	7/22/24 09:13 AM	7/22/24 09:13 AM	
3999485	0000328874	GENERATOR ELECTRIC DIESEL BACKUP POWER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	6/15/24 12:00 AM	7/26/24 07:49 AM	7/26/24 07:49 AM	Generator Monthly Test (1m) 1541 - Monthly generator test completed, no issues found.
3999488	0000328842	GENERATOR ELECTRIC DIESEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	6/15/24 12:00 AM	7/26/24 07:50 AM	7/26/24 07:50 AM	Generator Monthly Test (1m) 1541 - Monthly generator test completed, no issues found.
3999491	0000328901	GENERATOR ELECTRIC DIESEL	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	6/15/24 12:00 AM	7/26/24 07:50 AM	7/26/24 07:50 AM	Generator Monthly Test (1m) 1541 - Monthly generator test completed, no issues found.
3999534			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 1541	COMP	6/15/24 12:00 AM	7/26/24 07:56 AM	7/26/24 07:56 AM	
3999702	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	6/16/24 12:00 AM	7/15/24 09:30 AM	7/15/24 09:30 AM	



Appendix C - Call-out Report for WTP

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3900497			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		PLC fail - Comm loss	CLOSE		4/6/24 07:15 PM	4/6/24 11:45 PM	PLC fail - Comm loss - -Received alarm for reservoir communication loss. Logged in remotely to find alarm happened when reservoir was filling. P#1 running. -Switched duty to well pump #2 after 1 1/2 hours of runtime. - Communications still not restored by itself a few hours later, left for site visit to reset modem. Comms restored. Cleared all alarms and placed well pump duty's back to normal operation.
3952196			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		High Chlorine Level-1517	COMP		5/25/24 02:45 AM	5/25/24 06:45 AM	- Arrived to find high level chlorine alarm active. flushed system back through WTP. Switch to pump 1 as duty. Lowered chlorine pump stroke by 5%
3999051			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Low chlorine at WTP	COMP		6/5/24 10:15 PM	6/6/24 12:45 AM	Low chlorine at WTP - Received alarm at 2215 logged in remotely defined chlorine residual low, possible chlorine leak. Arrived on site at 2315 and noticed pole leak on chlorine line just before injector. Removed last 6 inches of chlorine line and reinstalled. Prime the pump until chlorine increased at the POE analyzer .

Workorder Summary Report

Report Start Date: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
4000825			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0		Low Chlorine Mattawa DWS	COMP		6/20/24 09:05 PM	6/21/24 03:01 PM	Low Chlorine Mattawa DWS -Received low chlorine alarm at 2105, arrived on site at 2205. Primed chlorine system and noticed pin hole in tubing Near injection point. Replaced tubing and fittings. Primed new tubing and started up plant. Monitored POE chlorine to make sure it was maintaining.



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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: Apr 1, 2024 12:00 AM

Report End Date: Jun 30, 2024 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
3900500			1541, Mattawa Wastewater System	CALL	Inspection	0		Brooke St power alarm	CLOSE		4/4/24 01:30 AM	4/4/24 03:45 AM	Brooke St power alarm - Received call for Brooke St alarm. Arrived on site and found lift station operating normally. Very stormy night, causing many power losses/ bumps.
3902352			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		Pump 1 Fail 1101 Bissett-1541	COMP		4/15/24 02:30 AM	4/16/24 08:40 AM	Pump 1 Fail 1101 Bissett-1541 - Called for P1 fail, arrived found station in high level and p2 running, river levels high causing inflow. Reset P1, chamber pumped down but slowly.
3902353			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		Pump 1 & 2 Fault 451 Bissett	COMP		4/9/24 04:45 PM	4/16/24 08:44 AM	Pump 1 & 2 Fault 451 Bissett - Called for p 1 & 2 fault at 451 Bissett, Wet well was just below the overflow but not overflowing. Pumps faulted, reset both pumps and all ok. Fault due to power bump.
3949142			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		1101 Bissette St Lift Station Mattawa	COMP		5/8/24 08:50 PM	5/9/24 08:27 AM	1101 Bissette St Lift Station Mattawa -Received alarm at 2050, arrived on site at 2225. Checked pumps, both pumps were pumping. Checked wet well, sewage level under grate. Due to high flows.
3949641			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		Mackenzie street high level lift station Mattawa	COMP		5/12/24 09:50 PM	5/13/24 08:55 AM	Mackenzie street high level lift station Mattawa -Received high level alarm at 2150, arrived on site at 2300. Powered down panel and reset pump. Pump started and ran a few minutes. Pump tripped several times while pumping down pump station



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Northeastern Ontario Region

MATTAWA WATER & WASTEWATER SYSTEMS QUARTERLY OPERATIONS REPORT

Appendix E - Performance Assessment Report Water

Performance Assessment Report

From 01/04/2024 to 30/06/2024

1517 MATTAWA DRINKING WATER SYSTEM 210001905

	4 / 2024	5 / 2024	6 / 2024	<--Total-->	<--Avg-->	<--Max-->	<--Min-->
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Flows

Raw Flow: Monthly Total - RW1 - Well #1 (m³)	26,485.53	28,757.80	39,417.55	94,660.88			
Raw Flow: Monthly Total - RW2 - Well #2 (m³)	4,955.26	7,345.77	2,085.87	14,386.90			
Raw Flow: Monthly Avg - RW1 - Well #1 (m³)	882.85	927.67	1,313.92		1,041.48		
Raw Flow: Monthly Avg - RW2 - Well #2 (m³)	165.18	236.96	69.53		157.22		
Raw Flow: Monthly Max - RW1 - Well #1 (m³)	1,104.35	1,300.23	1,684.02			1,684.015	
Raw Flow: Monthly Max - RW2 - Well #2 (m³)	420.11	743.34	558.09			743.341	
Raw Flow: Monthly Total - RWT - Raw Water - Total (m³)	31,440.79	36,103.57	41,503.42	109,047.78			
Raw Flow: Monthly Avg - RWT - Raw Water - Total (m³)	1,048.03	1,164.63	1,383.45		1,198.70		
Raw Flow: Monthly Max - RWT - Raw Water - Total (m³)	1,414.61	1,461.44	1,871.41			1,871.412	

Chemical Parameters

Treated: Max Nitrite - TW - TW (mg/L)	< 0.003				<	< 0.003	<
Treated: Max Nitrate - TW - TW (mg/L)	1.580					1.580	
Distribution: Max THM - DW - DW (µg/l)	3.200					3.200	
Distribution: Max HAA - DW - DW (µg/l)	< 5.300				<	< 5.300	<

Chlorine Residuals

Treated: Min Free Cl2 Resid - TW - TW (mg/L)	0.258	0.346	0.167				0.167
Treated: Max Free Cl2 Resid - TW - TW (mg/L)	3.891	3.970	3.899			3.970	
Dist: Min Free Cl2 Resid - DW - DW (mg/L)	0.481	0.439	0.119				0.119
Dist: Max Free Cl2 Resid - DW - DW (mg/L)	2.948	3.500	2.099			3.500	

Bacti Samples Collected

Raw Bacti: # of samples - RW1 - Well #1	5	5	4	14			
Raw Bacti: # of samples - RW2 - Well #2	5	5	4	14			
Treated Bacti: # of samples - TW - TW	5	5	4	14			
Dist Bacti: # of samples - DW - DW	15	15	12	42			
Dist HPC: # of samples - DW - DW	6	9	4	19			
Treated Bacti: # of TC exceedances - TW - TW	0	0	0	0			
Treated Bacti: # of EC exceedances - TW - TW	0	0	0	0			



	0	0	0	0			
	0	0	0	0			

Dist Bacti: # of EC exceedances - DW - DW



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Northeastern Ontario Region

MATTAWA WATER & WASTEWATER SYSTEMS

QUARTERLY OPERATIONS REPORT

Appendix F - Performance Assessment Report Wastewater

1541 MATTAWA WASTEWATER TREATMENT FACILITY 110000436

	4 / 2024	5/ 2024	6/ 2024	<--Total-->	<--Avg-->	<--Max-->
Flows						
Raw Flow: Total - Raw m³/d	34,749.99	23,192.86	20,540.73	78,483.59		
Raw Flow: Avg - Raw m³/d	1,158.33	748.16	684.69		862.46	
Raw Flow: Max - Raw m³/d	1,711.07	1,130.86	1,047.47			1,711.07
Raw Flow: Count - Raw m³/d	30.00	31.00	30.00	91.00		
Eff. Flow: Total - Eff m³/d	34,749.99	23,192.86	20,540.73	78,483.59		
Eff. Flow: Avg - Eff m³/d	1,158.33	748.16	684.69		862.46	
Eff. Flow: Max - Eff m³/d	1,711.07	1,130.86	1,047.47			1,711.07
Eff Flow: Count - Eff m³/d	30.00	31.00	30.00	91.00		
Carbonaceous Biochemical Oxygen Demand: CBOD						
Eff: Avg cBOD5 - Eff mg/L	11.00	4.00	11.00		8.67	
Eff: # of samples of cBOD5 - Eff	1.00	1.00	1.00	3.00		
Loading: cBOD5 - Eff kg/d	12.742	2.993	7.532		7.47	12.74
Biochemical Oxygen Demand: BOD5						
Raw: Avg BOD5 - Raw mg/L	91.00	174.00	145.00		136.67	174.00
Raw: # of samples of BOD5 - Raw	1.00	1.00	1.00	3.00		
Eff: Avg BOD5 - Eff mg/L	14.00	6.00	16.00		42.33	16.00
Eff: # of samples of BOD5 - Eff	1.00	1.00	1.00	3.00		
Loading: BOD5 - Eff kg/d	16.217	4.489	10.955		36.51	16.22
Percent Removal: BOD5 - Raw %	0.00	0.00	0.00		0.00	
Total Suspended Solids: TSS						
Raw: Avg TSS - Raw mg/L	103.00	116.00	170.00		129.67	170.00
Raw: # of samples of TSS - Raw	1.00	1.00	1.00	3.00		
Eff: Avg TSS - Eff mg/L	23.30	2.27	23.20		50.59	23.30
Eff: # of samples of TSS - Eff	1.00	1.00	1.00	3.00		
Loading: TSS - Eff kg/d	26.989	1.698	15.885		43.63	26.99
Percent Removal: TSS - Raw %	0.00	0.00	0.00		0.00	
Total Phosphorus: TP						
Raw: Avg TP - Raw mg/L	1.66	4.67	2.23		2.85	4.67

Performance Assessment Report

From: 01/04/2024 to 30/06/2024

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		
1.86	1.92	2.54	2.21	2.54	
5.00	4.00	4.00	13.00		
2.154	1.435	1.737	1.91	2.15	
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

11.94	12.60	18.48	14.15	18.48	
0.14	0.08	0.09	0.10	0.14	
1.00	1.00	1.00	3.00		
0.03	< 0.00	0.06	0.03	0.06	
1.00	1.00	1.00	3.00		