



**REGULAR MEETING OF COUNCIL
MONDAY, AUGUST 14TH, 2023
7:00 P.M.**

3. PETITIONS & DELEGATIONS

4. CORRESPONDENCE

**DR. S. F. MONESTIME MUNICIPAL
COUNCIL CHAMBERS
160 WATER STREET
MATTAWA, ONTARIO**

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CASHING IN ON CYCLE TOURISM

Find out how you can benefit from 4.1 the "Trail Town" concept

September 13, 9:30-2PM

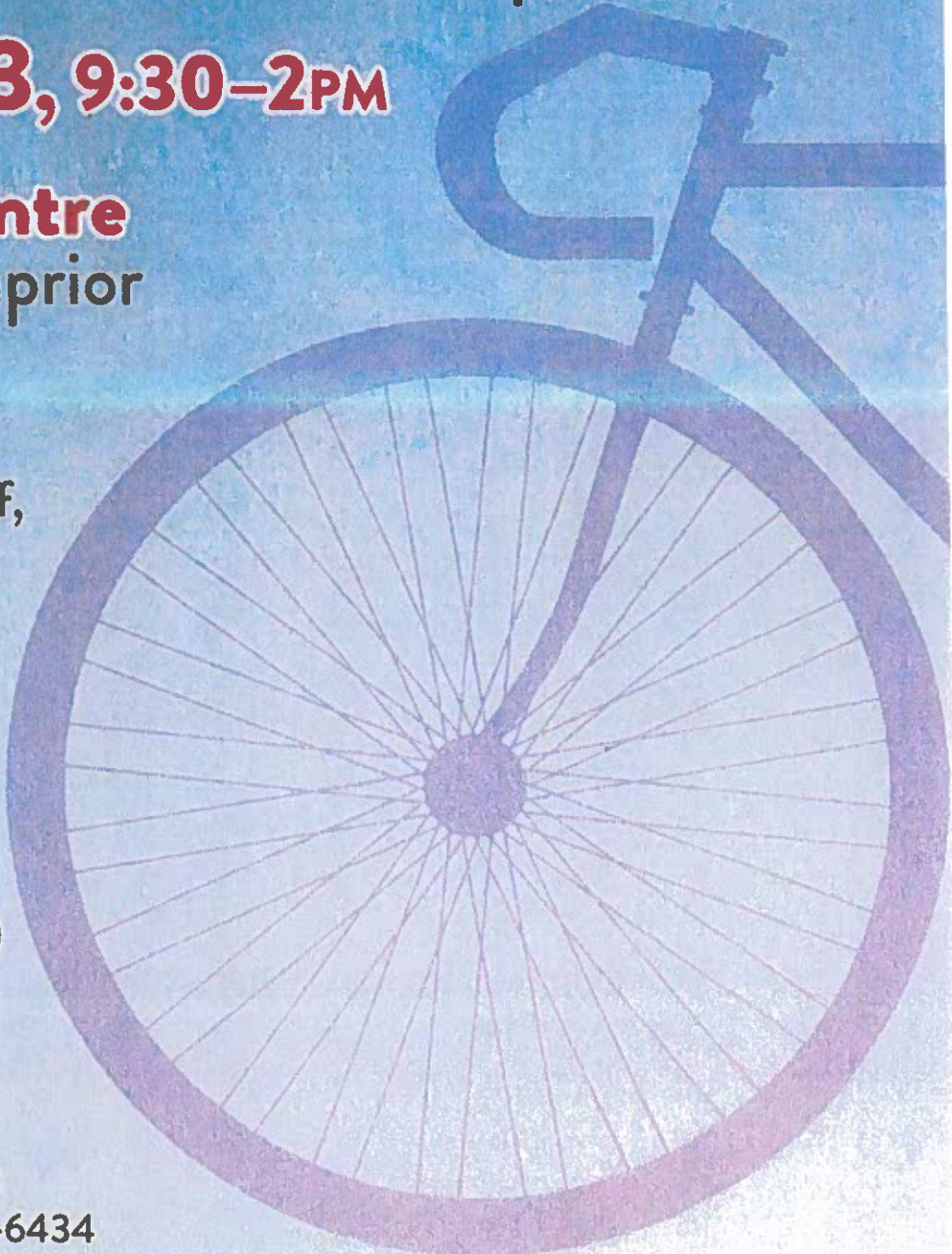
Nick Smith Centre
77 James St., Arnprior

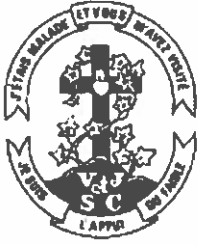
Welcoming interested businesses, municipal and county staff, tourism partners, and interested citizens of Lanark and Renfrew Counties.

Cost: \$25
(includes lunch & refreshments)



To register and for a complete speakers list ticketsplease.ca or 613-485-6434





SŒURS DE LA CHARITÉ D'OTTAWA
DIRECTION GÉNÉRALE / GENERAL ADMINISTRATION

27, Bruyère, Ottawa, ON K1N 5C9
Téléphone / Telephone : (613) 241-2710
Télécopie / Fax : (613) 241-5509

Courriel/E-mail : rwatier@scogen.org
Web : www.soeursdelachariteottawa.com

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July 19th 2023

Dexter Sarrazin, Councillor
Mathew Gardner, Councillor
Town of Mattawa
160 Water Street
Mattawa ON P0H 1V0

Dear Councillors

Last Saturday, July 15, there was a celebration of gratitude and honour for the Sisters of Charity of Ottawa as we are leaving Mattawa after 145 years in Mattawa. We had a real surprise from the town of Mattawa who wanted to honour our presence in Mattawa in a very special way. The naming of a street in front of the Church, in French and in English, touched us enormously. We were deeply moved by this gesture from the town of Mattawa. Please give our gratitude to the mayor and other councillors.

Councillor Dexter, thank you for the kind words you addressed on that evening.

Our gratitude for you will be expressed in our memories and mostly in our prayers. May God bless you and keep you in good health and in His Love.

Mother Bruyère, our foundress, will surely keep a benevolent eye on you and your families.

With gratitude,

Rachelle Watier s.c.o.

Sister Rachelle Watier s.c.o.
General Superior
And all the sisters of Charity of Ottawa

July 07, 2023

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Dear: *The Town of Mattawa*

We are finally once again able to hold the annual Dave Taylor Memorial Dart tournament. The proceeds from the tournament this year will be donated to the Mattawa Fire Department. Dave Taylor was a veteran who served at the Pembroke base for 25 years. He was a loved member of our community and loved his darts. Dave passed in March of 2010 from heart complications. He served in our community as Sergeant of arms for the Legion as well as coached baseball with his wife Dianne Taylor for many years.

We are writing this letter to request a donation from your organization, whether it be a gift card or a gift it would be greatly appreciated. These gifts will be raffled off, 100% of the proceeds from these tickets will be donated to the Mattawa Fire Department.

The date of the dart tournament will be held on September 23, 2023. Your donations would be greatly appreciated, you can contact Darryl Barnhardt at 705-218-2097 or Lyndsay Champagne at 705-491-7180 to pick up a donation.

Thank you for in advance for your time and generosity.



Algonquins of Ontario

31 Riverside Drive, Suite 101, Pembroke, ON K8A 8R6

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To Mayor Raymond A. Belanger and Council.

The Town of Mattawa is located within the traditional unceded and un-surrendered territory of The Algonquins of Ontario (AOO). The purpose of this letter is to generate support in helping us to build positive relationships throughout the AOO settlement area.

To that end, we are hopeful of working with your community to both promote and build a mutually beneficial relationship that will eventually extend throughout the entire settlement area (via each community's individually elected representatives). This will work to the advantage of each and every resident throughout Eastern Ontario. The AOO is committed to this goal.

The province of Ontario recognizes the importance of consulting with Aboriginal communities on planning matters that may affect their section 35 Aboriginal or treaty rights. Planning authorities are encouraged to build constructive, cooperative relationships through meaningful engagement with Indigenous communities to facilitate knowledge-sharing in land use planning processes and informed decision-making.

The AOO are on a journey of survival, rebuilding and self-sufficiency - a journey of reconciliation. This journey began over 250 years ago when the first Algonquin Petition was submitted to the Crown in 1772 and will ultimately find resolution in a treaty involving all ten of the following Algonquins of Ontario communities:

- Algonquins of Pikwakanagan First Nation
- Antoine
- Bonnechere
- Greater Golden Lake
- Kijicho Manito Madaouskarini
- Mattawa/North Bay
- Ottawa
- Shabot Obaadjiwan
- Snimikobi
- Whitney & Area

The AOO Settlement Area includes an area of 9 million acres within the watersheds of the Kichissippi (Ottawa River) and the Mattawa River in Ontario, an unceded territory that covers most of eastern Ontario. More than 1.2 million people live and work within the Settlement Area. There are 87 municipal jurisdictions fully and partially located within the Settlement Area, including 75 lower and single tier municipalities and 9 upper tier counties.

Given this, it is imperative that any projects in your municipality impacting natural heritage (including land rights, trails, wildlife, waterways, water resources, environment and archaeological history) be given due consideration before commencement or development of

any kind. The crown has the legal duty to consult with the Algonquins where actions may adversely impact the rights of First Nation Communities and property owners.

The Algonquin Treaty will provide finality and certainty on longstanding issues (dating back to 1772) about the use and management of Algonquin lands and natural resources for the Algonquin people and the residents of the AOO Settlement Area.

We greatly value you joining us on this historic mission. If you have questions or would like to meet to discuss any aspect of our journey forward, please feel free to get in touch with me at any time.

Sincerely,



Jim Meness
Executive Director

jmeness@tanakiwin.com

The Algonquins of Ontario Consultation Office
31 Riverside Drive, Suite 101
Pembroke, ON K8A 8R6
Phone: 613-735-3759 Ex. 200 | Fax: 613-735-6307
Email: algonquins@tanakiwin.com
Website: www.tanakiwin.com

SYSTEM OVERVIEW

April 1st to June 30th, 2023

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OPERATIONAL HIGHLIGHTS

Drinking Water System

- The water treatment system operated well during the second quarter.
- Watermain river crossing experienced damage to concrete anchors from floodwaters. The Town will arrange for divers to inspect the watermain and other infrastructure.
- Flood risk warning was issued by North Bay Mattawa Conservation Authority (NBMCA), and a state of emergency was declared by the Town on May 3rd lasting several weeks. OERT flood response trailer was towed from Kirkland Lake to Mattawa. Staff worked late into the night to lay out the inflatable berms and filled them to protect three vulnerable sewage lift stations. Several lift stations were pumping nearly continuously and experienced high levels. Flood waters did not breach the berms and the flood risk eventually subsided after several weeks. NBMCA downgraded the flood warning on May 17th, and the Town maintained a state of emergency until the end of the month.

Wastewater Treatment

- The wastewater treatment system performed well during the second quarter.
- 1101 Bissett St. Sewage Lift Station (SLS) pumps were plugged and pulled for cleaning.

CAPITAL PLAN PROGRESS

Drinking Water System

- Free lighting upgrade to light-emitting diode (LED) using IESO's Save On Energy program.
- Pilot project with Synergy Controls to trial an ultrasonic flowmeter, since injection of hypo upstream of original magmeter causes erratic readings due to conductivity. Initial results are overwhelmingly positive with the ultrasonic flowmeter providing smooth and accurate trends. It should have a positive influence on process. Phase 2 of the trial will be to run the plant off of the ultrasonic flowmeter. Trial began on June 22. Form 2 completed prior.

Wastewater Treatment

- Free lighting upgrade to LED using IESO's Save On Energy program.
- Replaced alum tank level transducer however, it did not solve all glitches. The transmitter also needs to be replaced. A new transmitter was ordered.
- Pulled pump at 601 McKenzie for rebuild.

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 2023 and all results fell within regulatory limits.
- Winter term lead, pH and alkalinity sampling completed April 12, 2023.
- Quarterly trihalomethanes (THM), haloacetic acids (HAA), Nitrate and Nitrite sampling completed April 12, 2023.
- Annual internal audit and risk assessment completed June 8, 2023. Five (5) opportunities for improvement (OFIs) identified and resolved.
- Off-site external Re-Accreditation audit completed June 7, 2023, there was one (1) OFI identified. Onsite Re-Accreditation audit completed June 21, 2023. One (1) OFI was identified. All resolved.
- 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 2023.
- Flow meter verification 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 Transportation of Dangerous Goods.
- Staff training completed on Human and Organizational Performance.
- Staff training completed on FEP Binder.

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, 2023 12:00 AM

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

Location: 1517*

Work Order Type: CAP,CORR,OPER,PM

Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail	
				Type	Class	FBQ	Units	Status	Schedule Start	Actual Start		Actual Finish
331877Z	0000328760	GENERATOR ELECTRIC DIESEL	1517, Matawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	COMP	4/1/23 12:00 AM	6/21/23 05:55 AM	6/21/23 05:55 AM	Generator Monthly Test (1m) 1517 - Monthly generator test - Generator OK, no issues found
331877Z		1517, Matawa DWS	1517, Matawa DWS	PM	Calibration	1	MONTHS	COMP	4/1/23 12:00 AM	6/21/23 05:56 AM	6/21/23 05:56 AM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 - UV 1 passed monthly reference check, 90 ratio
331877Z		1517, Matawa DWS	1517, Matawa DWS	PM	Calibration	1	MONTHS	COMP	4/1/23 12:00 AM	6/21/23 05:57 AM	6/21/23 05:57 AM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 - UV 2 passed monthly reference check, 1.0 ratio
331878L	0000349404	ANALYZER UV REFERENCE #1	1517, Matawa DWS	PM	Calibration	0	MONTHS	COMP	4/1/23 12:00 AM	6/21/23 05:57 AM	6/21/23 05:57 AM	0000349404 ANALYZER UV REFERENCE #1
331878L	0000349405	ANALYZER UV REFERENCE #2	1517, Matawa DWS	PM	Calibration	0	MONTHS	COMP	4/1/23 12:00 AM	6/21/23 05:57 AM	6/21/23 05:57 AM	0000349405 ANALYZER UV REFERENCE #2
331878Z	0000349406	ANALYZER UV #2 DUTY #1	1517, Matawa DWS	PM	Calibration	0	MONTHS	COMP	4/1/23 12:00 AM	6/21/23 05:57 AM	6/21/23 05:57 AM	0000349406 ANALYZER UV #2 DUTY #1
3318790	0000349408	ANALYZER UV #2 DUTY #2	1517, Matawa DWS	PM	Calibration	0	MONTHS	COMP	4/1/23 12:00 AM	6/21/23 05:57 AM	6/21/23 05:57 AM	0000349408 ANALYZER UV #2 DUTY #2
331885Z		1517, Matawa DWS	1517, Matawa DWS	PM	Refurbish/ Replace/Repair	1	MONTHS	COMP	4/1/23 12:00 AM	6/21/23 05:58 AM	6/21/23 05:58 AM	UVR Service (Spring & Fall) 1517 - Reactors not serviced due to recent install
3318860		1517, Matawa DWS	1517, Matawa DWS	PM	Inspection	3	MONTHS	COMP	4/1/23 12:00 AM	6/21/23 05:59 AM	6/21/23 05:59 AM	Replace UV Air Filters 1517 - Air filters in UV's checked, still ok
331886Z	0000328767	ANALYZER UV PORTABLE	1517, Matawa DWS	PM	Inspection	1	MONTHS	COMP	4/1/23 12:00 AM	6/21/23 06:00 AM	6/21/23 06:00 AM	UVT Analyzer calibration to yellow box (1m) 1517 - Checked optiview to Yellow box- 99.8% 100%
331889Z		1517, Matawa DWS	1517, Matawa DWS	PM	Inspection	1	MONTHS	COMP	4/1/23 12:00 AM	6/21/23 06:00 AM	6/21/23 06:00 AM	Critical Alarm Dialer Route (1m) - 1517
331889Z		1517, Matawa DWS	1517, Matawa DWS	PM	Health and Safety	1	MONTHS	COMP	4/1/23 12:00 AM	6/21/23 06:00 AM	6/21/23 06:00 AM	Health And Safety Inspection (1m) 1517
331891L	0000328800	TANK STORAGE SODIUM HYPO	1517, Matawa DWS	PM	Refurbish/ Replace/Repair	1	YEARS	COMP	4/1/23 12:00 AM	6/21/23 06:01 AM	6/21/23 06:01 AM	Tank Holding Sodium Hypo Inspection/Maintenance (1y) 1517 - Holding tank inspected daily, No issues found

Report Start Date: Apr 1, 2023 12:00 AM
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 Location: 1517*
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 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			Worldog Detail	
				Type	Class	FBQ	Units	Status	Schedule Start	Actual Start		Actual Finish
3318915	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	COMP	4/1/23 12:00 AM	6/21/23 06:02 AM	6/21/23 06:02 AM	Valve Regulating Inspection (1m) 1517 - visually check valving during routine water plant inspections, all ok
3319092			1517, Mattawa DWS	PM	Calibration	1	MONTHS	COMP	4/1/23 12:00 AM	6/21/23 06:09 AM	6/21/23 06:09 AM	Analyzer Chlorine Inspection/Service (1m) 1517 - Compared both POE and distribution analyzers to band held, within allowances
3348577			1517, Mattawa DWS	CORR	Refurbish/Replace/Repair	0		COMP		6/15/23 12:35 PM	6/15/23 12:35 PM	Pump 2 Pressure Switch Replacement - New Mercooid Pressure switch on order from Davis controls. Order Details PRESSURE SWITCH, 10-200 PSIG, SPDT Davis Controls Item #DS-7231-153-8
3366335	0000328787	ANALYZER UV TRANSMITTANCE	1517, Mattawa DWS	PM	Refurbish/Replace/Repair	3	MONTHS	COMP	5/1/23 12:00 AM	6/21/23 06:04 AM	6/21/23 06:04 AM	UV Transmitter Optiview calibration (3m) 1517
3366346	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/Replace/Repair	1	MONTHS	COMP	5/1/23 12:00 AM	6/21/23 06:05 AM	6/21/23 06:05 AM	Generator Monthly Test (1m) 1517 - Compared Optiview to band held 100%/100%, all ok
3366349			1517, Mattawa DWS	PM	Calibration	1	MONTHS	COMP	5/1/23 12:00 AM	6/21/23 06:06 AM	6/21/23 06:06 AM	Generator tested OK, issues found on SCADA, when alarm still coming on, to speak with Chris about programming once he is onsite
3366352			1517, Mattawa DWS	PM	Calibration	1	MONTHS	COMP	5/1/23 12:00 AM	6/21/23 06:06 AM	6/21/23 06:06 AM	
3366355	0000349404	ANALYZER UV REFERENCE #1	1517, Mattawa DWS	PM	Calibration	0		COMP	5/1/23 12:00 AM	6/21/23 06:06 AM	6/21/23 06:06 AM	UV Reference Sensor check (UV#1) (1m / 1y) 1517
3366358	0000349405	ANALYZER UV REFERENCE #2	1517, Mattawa DWS	PM	Calibration	0		COMP	5/1/23 12:00 AM	6/21/23 06:06 AM	6/21/23 06:06 AM	UV Reference Sensor check (UV#2) (1m / 1y) 1517
3366361	0000349406	ANALYZER UV #2 DUTY #1	1517, Mattawa DWS	PM	Calibration	0		COMP	5/1/23 12:00 AM	6/21/23 06:06 AM	6/21/23 06:06 AM	0000349405 ANALYZER UV REFERENCE #1 0000349405 ANALYZER UV REFERENCE #2 0000349406 ANALYZER UV #2 DUTY #1

Workorder Summary Report

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1517*
 Work Order Type: CAP,CORR,OPER,PM
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details				WorkLog Detail
				Type	Class	FEQ	Units	Status	Schedule Start	Actual Start	Actual Finish	
3366384	0000349408	ANALYZER UV #2 DUTY #2	1517, Mattawa DWS	PM	Calibration	0		COMP	5/1/23 12:00 AM	6/21/23 06:06 AM	6/21/23 06:06 AM	UVT Analyzer calibration to yellow box (1m) 1517 -Compared Opview to Yellowbox 98.9%/99.5% all ok
3366420	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	COMP	5/1/23 12:00 AM	6/21/23 06:07 AM	6/21/23 06:07 AM	
3366441			1517, Mattawa DWS	PM	Inspection	1	MONTHS	COMP	5/1/23 12:00 AM	6/21/23 06:07 AM	6/21/23 06:07 AM	
3366450			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	COMP	5/1/23 12:00 AM	6/21/23 06:10 AM	6/21/23 06:10 AM	
3366461	0000328792	TANK STORAGE RESERVOIR	1517, Mattawa DWS	PM	Refurbish/ Replace/Repair	3	YEARS	COMP	5/1/23 12:00 AM	6/21/23 06:10 AM	6/21/23 06:10 AM	Tank Reservoir Inspection (1y) 1517 - Completed visit to reservoir, observed both entry points and buildings, all ok. Opened hatch and all seems to be in order.
3366575	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	COMP	5/1/23 12:00 AM	6/21/23 06:09 AM	6/21/23 06:09 AM	
3366480	0000328753	WELL PRODUCING #1	1517, Mattawa DWS	PM	Inspection	1	YEARS	COMP	5/1/23 12:00 AM	6/21/23 06:09 AM	6/21/23 06:09 AM	Well Producing (1y / 10y) Inspection 1517 - Visual inspection of well head completed, Paving needs to be looked at to be patched, This is just the cement that is built up around pump base.
3366525			1517, Mattawa DWS	PM	Calibration	1	MONTHS	COMP	5/1/23 12:00 AM	8/3/23 03:18 PM	8/3/23 03:18 PM	Analyzer Chlorine Inspection/ Service (1m) 1517 - Analyzer compared to handheld multiple times weekly, no issues found.
3366568	0000328804	ANALYZER CHLORINE / PH AIT 102	1517, Mattawa DWS	PM	Inspection	3	MONTHS	COMP	5/1/23 12:00 AM	8/3/23 03:18 PM	8/3/23 03:18 PM	PH Analyzer Calibration (3m) 1517 - Analyzer checked against handheld all ok
3366571			1517, Mattawa DWS	PM	Inspection	3	MONTHS	COMP	5/1/23 12:00 AM	8/3/23 03:19 PM	8/3/23 03:19 PM	PH Analyzer Calibration (POE) (3m) 1517 - Analyzer checked against handheld, no calibration needed at this time

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 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			Actual Finish	WorkLog Detail
				Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start		
3385523			1517, Mattawa DWS	OPER	Administrative	0		E&H Protonic W400 Ultrasonic Flow Meter	COMP	7/24/23 11:03 AM	7/24/23 11:03 AM	PO for Synegy E&H Protonic W400 Ultrasonic Flow Meter Trial - PO for Synegy E&H Protonic W400 Ultrasonic Flow Meter Trial. Trial is proposed to use ultrasonic flow measurement since the magnetic flow meter currently being used produce erratic readings due to chemical interference from sodium hypochlorite. E&H Protonic W400 Ultrasonic Flow Meter Purchase - The pilot project has been successful. The new flowmeter provides very stable trends and has several positive impacts on process operations. The flowmeter will be purchased for permanent installation. Generator Monthly Test (1m) 1517 - Generator test was completed no issues found UVR Reference Sensor check (UV#1) (1m / 1y) 1517 - UV check was completed, UV 1 found within spec UVR Reference Sensor check (UV#2) (1m / 1y) 1517 - UV 2 reference check was completed, no issues found at this time
2413666	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/ Replace/ Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	6/1/23 12:00 AM	6/3/23 03:19 PM	6/3/23 03:19 PM
2413662			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	6/1/23 12:00 AM	6/3/23 03:20 PM	6/3/23 03:20 PM
2413672			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	6/1/23 12:00 AM	6/3/23 03:21 PM	6/3/23 03:21 PM
2413675	0000349404	ANALYZER UV REFERENCE #1	1517, Mattawa DWS	PM	Calibration	0		0000349404 ANALYZER UV REFERENCE #1	COMP	6/1/23 12:00 AM	6/3/23 03:21 PM	6/3/23 03:21 PM
2413678	0000349405	ANALYZER UV REFERENCE #2	1517, Mattawa DWS	PM	Calibration	0		0000349405 ANALYZER UV REFERENCE #2	COMP	6/1/23 12:00 AM	6/3/23 03:21 PM	6/3/23 03:21 PM
2413681	0000349406	ANALYZER UV #2 DUTY #1	1517, Mattawa DWS	PM	Calibration	0		0000349406 ANALYZER UV #2 DUTY #1	COMP	6/1/23 12:00 AM	6/3/23 03:21 PM	6/3/23 03:21 PM
2413684	0000349408	ANALYZER UV #2 DUTY #2	1517, Mattawa DWS	PM	Calibration	0		0000349408 ANALYZER UV #2 DUTY #2	COMP	6/1/23 12:00 AM	6/3/23 03:21 PM	6/3/23 03:21 PM



Workorder Summary Report

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1517*
 Work Order Type: CAP.CORR.OPER.PM
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details				WorkLog Detail	
				Type	Class	FBQ	Units	Work Order Description	Status	Schedule Start	Actual Start		Actual Finish
3413746	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	6/1/23 12:00 AM	8/3/23 03:22 PM	8/3/23 03:22 PM	UVT Analyzer calibration to yellow box (1m) 1517 - Optiview checked against yellow box found 100%/99.9%
3413762			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Critical Alarm Dialer Rouse (1m) - 1517	COMP	6/1/23 12:00 AM	8/3/23 03:22 PM	8/3/23 03:22 PM	
3413776			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	6/1/23 12:00 AM	8/3/23 03:22 PM	8/3/23 03:22 PM	
3413782	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	6/1/23 12:00 AM	8/3/23 03:23 PM	8/3/23 03:23 PM	Valve Regulating Inspection (1m) 1517 - Checked all valving, all valves operate as they should
3413915			1517, Mattawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/Service (1m) 1517	COMP	6/1/23 12:00 AM	8/3/23 03:24 PM	8/3/23 03:24 PM	Analyzer Chlorine Inspection/Service (1m) 1517 - Analyzer checked against handheld all ok



Appendix B - Work Order Summary for WWTL

Workorder Summary Report

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1541*
 Work Order Type: CAP-CORR_OPER_PM
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail	
				Type	Class	FBQ	Units	Status	Schedule Start	Actual Start		Actual Finish
3318929		1541, Mattawa Wastewater System		PM	Inspection	1	MONTHS	COMP	4/1/23 12:00 AM	6/21/23 06:02 AM	6/21/23 06:02 AM	
3318926		1541, Mattawa Wastewater System		PM	Health and Safety	1	MONTHS	COMP	4/1/23 12:00 AM	8/3/23 03:10 PM	8/3/23 03:10 PM	
3318920	0000328876	TANK STORAGE FUEL LAGOON	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	COMP	4/1/23 12:00 AM	8/3/23 03:11 PM	8/3/23 03:11 PM	Tank Storage Fuel Diesel Lagoon Insp/Service (1y) 1541 - Visual inspection done, no leaks or issues found
3318928	0000328903	TANK STORAGE FUEL LAGOON	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	COMP	4/1/23 12:00 AM	8/3/23 03:11 PM	8/3/23 03:11 PM	Tank Storage Fuel Diesel Lagoon Insp/Service (1y) 1541 - Visual inspection done, no leaks or issues found
3318926	0000328838	TANK STORAGE FUEL 601 MCKENZIE ST	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	COMP	4/1/23 12:00 AM	8/3/23 03:12 PM	8/3/23 03:12 PM	Tank Storage Fuel Diesel Lagoon Insp/Service (1y) 1541 - Visual inspection done, no leaks or issues found
3323681		1541, Mattawa Wastewater System		PM	Refurbish/ Replace/Repair	1	MONTHS	COMP	4/1/23 12:00 AM	8/3/23 03:12 PM	8/3/23 03:12 PM	Pump Submersible Group Inspection (1m) 1541 - All pumps checked weekly, no issues found at this time
3338012	0000328856	METER LEVEL ALUM 1541, Mattawa Wastewater System		CORR	Refurbish/ Replace/Repair	0		COMP		6/15/23 12:36 PM	6/15/23 12:36 PM	New level sensor for alum tank -1541 - level sensor for alum tank - SIEMENS XPS-10 TRANSDUCER, 10M CABLE, RANGE 10M, BUILT-IN TEMP SENSOR, KYNAR HOUSING, 1" NPT NIPPL
3340108	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	COMP	4/16/23 12:00 AM	8/3/23 03:13 PM	8/3/23 03:13 PM	Tank Alum Inspection (1m) - 1541 - Checked alum tank, no leaks, no issues found

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

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

Location: 1541*

Work Order Type: CAP,CORR,OPER,PM

Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details				WorkLog Detail	
				Type	Class	REFQ	Units	Work Order Description	Status	Schedule Start	Actual Start		Actual Finish
1341036	0000328856	METER LEVEL ALUM 1541, Mattawa Wastewater System		CAP	Refurbish/ Replace/Repair	0		Alum Tank Level Transmitter-1541	COMP	6/27/23 03:32 PM	6/27/23 03:32 PM	Alum Tank Level Transmitter-1541 - Approval given by town to order new level transmitter. Order from chest today apr1l 26/23 Order Details - 7ML5033-2D/A00-2A SIEMENS MULTIRANGER 200 WITH HMI DISPLAY 4 BUTTON HMI WALL MOUNT, STANDARD ENCLOSURE 100 to 230 VAC, SINGLE POINT VIBRATION, 6 RELAYS, 0-20 mA or 4-20 mA OUTPUT	
3366495		1541, Mattawa Wastewater System		PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	5/1/23 12:00 AM	8/3/23 03:13 PM	8/3/23 03:13 PM	
3366502		1541, Mattawa Wastewater System		PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	5/1/23 12:00 AM	8/3/23 03:13 PM	8/3/23 03:13 PM	
3366513	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	5/1/23 12:00 AM	8/3/23 03:15 PM	8/3/23 03:15 PM	Tank Wet well 300 Mattawan St Insp/Service (1y) - 1541 - Station checked weekly, no physical issues found, a cleaning of soap/grease may be needed soon
3366522	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	5/1/23 12:00 AM	8/3/23 03:15 PM	8/3/23 03:15 PM	Tank Wet well 101 Bissett St. Insp/Service (1y) - 1541 - Station checked weekly, no physical issues found, a cleaning of soap/grease may be needed soon
3366531	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	5/1/23 12:00 AM	8/3/23 03:15 PM	8/3/23 03:15 PM	Tank Wet well 200 Brook St. Insp/Service (1y) - 1541 - Station checked weekly, no physical issues found, a cleaning of soap/grease may be needed soon
3366541	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	5/1/23 12:00 AM	8/3/23 03:16 PM	8/3/23 03:16 PM	Tank Wet well 300 Louis St. Insp/Service (1y) - 1541 - Station checked weekly, no physical issues found, a cleaning of soap/grease may be needed soon

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1541°
 Work Order Type: CAP,CORR,OPER,PM
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail		
				Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start		Actual Start	Actual Finish
3366532	0000324852	TANK PROCESS WET WELL 451 BISSETT ST.	1541, Matawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Wet well 451 Bissett St. Insp/ Service (Y) - 1541	COMP	5/1/23 12:00 AM	8/3/23 03:16 PM	8/3/23 03:16 PM	Tank Wet well 451 Bissett St. Insp/ Service (Y) - 1541 - Station checked weekly, no physical issues found, a cleaning of soap/grease may be needed soon
3366532	0000324850	TANK PROCESS WET WELL 601 MCKENZIE ST.	1541, Matawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Wet well 601 McKenzie St. Insp/Service (Y) - 1541	COMP	5/1/23 12:00 AM	8/3/23 03:17 PM	8/3/23 03:17 PM	Tank Wet well 601 McKenzie St. Insp/Service (Y) - 1541 - Station checked weekly, no physical issues found, a cleaning of soap/grease may be needed soon
3366532	0000324897	TANK PROCESS WET WELL 1101 BISSETT ST.	1541, Matawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Wet well 1101 Bissett St. Insp/ Service (Y) - 1541	COMP	5/1/23 12:00 AM	8/3/23 03:17 PM	8/3/23 03:17 PM	Tank Wet well 1101 Bissett St. Insp/ Service (Y) - 1541 - Station checked weekly, no physical issues found, a cleaning of soap/grease may be needed soon
3370012			1541, Matawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (Im) 1541	COMP	5/1/23 12:00 AM	8/3/23 03:26 PM	8/3/23 03:26 PM	Pump Submersible Group Inspection (Im) 1541 - Check pump weekly, no issues found at this time
3381117			1541, Matawa Wastewater System	CAP	Refurbish/ Replace/Repair	0		Matawa 2023 Flooding prevention/ measures	COMP		6/14/23 01:21 PM	6/14/23 01:21 PM	Matawa flooding -Work order made for supplies and time reporting for flooding prevention/remediation measures.
3385441	0000324848	TANK STORAGE ALUM	1541, Matawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (Im) - 1541	COMP	5/16/23 12:00 AM	8/3/23 03:27 PM	8/3/23 03:27 PM	Tank Alum Inspection (Im) - 1541 - Checked alum tank for leaks or deficiencies, none found at this time
3413724	0000324859	ANALYZER GAS BUMP TEST	1541, Matawa Wastewater System	PM	Calibration	6	MONTHS	Analyzer Gas CO2 (6m) 1541	COMP	6/1/23 12:00 AM	8/3/23 03:33 PM	8/3/23 03:33 PM	
3413805			1541, Matawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (Im) - 1541	COMP	6/1/23 12:00 AM	8/3/23 03:27 PM	8/3/23 03:27 PM	
3413812			1541, Matawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (Im) 1541	COMP	6/1/23 12:00 AM	8/3/23 03:27 PM	8/3/23 03:27 PM	Tank Process Lagoon Calls Insp/ Service (Y) - 1541 - Lagoon lining is all ok, air leak in header line top call far corner.
3413823			1541, Matawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Process Lagoon Calls Insp/ Service (Y) - 1541	COMP	6/1/23 12:00 AM	8/3/23 03:28 PM	8/3/23 03:28 PM	Tank Process Lagoon Calls Insp/ Service (Y) - 1541 - Lagoon lining is all ok, air leak in header line top call far corner. scheduling underway to drain an fix the leak

Workorder Summary Report

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1541*
 Work Order Type: CAP,CORR,OPER,PM
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail	
				Type	Class	FREQ	Units	Status	Schedule Start	Actual Start		Actual Finish
3413827	0000328358	TANK STORAGE HOT WATER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	COMP	6/1/23 12:00 AM	8/3/23 03:28 PM	8/2/23 03:28 PM	
3417644			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	COMP	6/1/23 12:00 AM	8/3/23 03:29 PM	8/2/23 03:29 PM	Pump Submersible Group Inspection (1m) 1541 - Pumps checked weekly, no issues found at this time
3433755	0000328874	GENERATOR ELECTRIC DIESEL BACKUP POWER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	COMP	6/15/23 12:00 AM	8/3/23 03:29 PM	8/2/23 03:29 PM	Generator Monthly Test (1m) 1541 - Monthly generator test completed, all ok
3433758	0000328842	GENERATOR ELECTRIC DIESEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	COMP	6/15/23 12:00 AM	8/3/23 03:30 PM	8/2/23 03:30 PM	Generator Monthly Test (1m) 1541 - Monthly generator test completed, no issues found
3433761	0000328901	GENERATOR ELECTRIC DIESEL	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	COMP	6/15/23 12:00 AM	8/3/23 03:30 PM	8/2/23 03:30 PM	Generator Monthly Test (1m) 1541 - Monthly generator test completed, no issues found

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1541*
 Work Order Type: CAP,CORR,OPER,PM
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			Actual Start	Actual Finish	WorkLog Detail
				Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start			
2432940	000032888	TANK STORAGE ALUM	1541, Manawa Wastewater System	CAP	Refurbish/ Replace/Repair	0		601 McKenzie SPS Pump Repair	COMP	6/15/23 11:05 AM	6/28/23 03:55 PM	Pump Repair - Pump at 601 McKenzie tripping inspection and has wobble. Pump to be taken out of service for repair. Repair Details - Submersible Pump: Flygt 3.9HP, 1745RPM, 230 Volts, 17A, 60HZ, 1PH, Imp 433, Model 3102.181-1081, Serial# 3102.181-0820243. Labour to dismantle, clean, check all bearing fits, test stator windings, inspect all parts, access damage and prepare estimate of repair. Assemble unit with new parts listed & perform no load full voltage test run. Dynamic Balance Rotor & Impeller 82.50 60 Sealing Washer 601 89 06 Basic Repair Kit 841794 Seal Sleeve (18)-20mm	
				PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	6/16/23 12:00 AM	8/3/23 03:33 PM	Tank Alum Inspection (1m) - 1541 - Checked alum tank for any leaks or issues, none found	



Appendix C - Call-out Report for WTP

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1517*
 Work Order Type: CALL,EMER
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder Type	Class	PM Schedule FBO	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finish	WorkLog Detail
113616	0000349410	PANEL CONTROL UV #1	1517, Matimba DW/S	CALL	Refurbish/ Replace/Repair	0		UV 1 Fail - 1517	COMP		4/1/23 10:30 PM	6/28/23 01:10 PM	UV 1 Fail - 1517 -Called for UV 1 fail. Remotely reviewed trending and plant. UV 1 failed on startup. Switched auto to UV 2 and started ok. Will address the issue when on-site tomorrow.
113617	0000349412	PANEL CONTROL UV #2	1517, Matimba DW/S	CALL	Refurbish/ Replace/Repair	0		Major Alarm, UV 1 & 2 Fail	CLOSE		4/2/23 12:00 AM	4/2/23 02:00 AM	
1340391			1517, Matimba DW/S	CALL	Refurbish/ Replace/Repair	0		WTP Communication Loss	COMP		4/14/23 09:45 PM	4/15/23 12:15 AM	WTP Communication Loss - Received message at 2112 from Job D regarding a communication loss at the WTP. Arrived on site, turned off pumps. Unplugged routers for 30 seconds. Couple minutes after powered, restored to routers communication came back.
1386602			1517, Matimba DW/S	CALL	Compliance	0		Emergency Water Service off/on at 471 Matimba Street	COMP		5/21/23 09:25 PM	5/21/23 10:45 PM	Emergency Water Service off/on at 471 Matimba Street 21:25-Received a call from Monique Malade requesting assistance for an emergency water off/on at 471 Matimba Street 21:35-Met with homeowner, water pouring into his crawl space. 21:50-Unable to retrieve metal detector to find buried standpipe. Contacted Jim Avonzo to log onto CCEIS to locate standpipe and bring the metal detector to find the standpipe. 22:15-Shut off water to 471 Matimba Street. Stopped 1/2 inch shut off valve to homeowner. 22:30-Turned water back on at standpipe

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1517*
 Work Order Type: CALL,EMER
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details				WorkLog Descr	
				Type	Class	FBO	Units	Work Order Description	Status	Schedule Start	Actual Start		Actual Finish
3386973			1517, Matweva DW/S	CALL	Refrish/ Replace/Repair	0		Matweva DW/S communication loss	COMP		5/21/23 07:15 PM	5/26/23 02:59 PM	Matweva DW/S communication loss -Recovered an alarm loss of communication, reset power to modem. Communication returned. All ok
2187415			1517, Matweva DW/S	CALL	Refrish/ Replace/Repair	0		UV2 failure	COMP		5/27/23 08:15 AM	5/27/23 09:30 AM	UV2 failure - Received alarm for UV2 fail. Logged in, reset fault. Monitored until plant started with UV1 as duty. All OK
3436920			1517, Matweva DW/S	CALL	Refrish/ Replace/Repair	0		WTP Communication Loss	COMP		6/16/23 03:15 AM	6/16/23 04:00 AM	- WTP Communication Loss - Received alarm for comm loss. Remotely checked in. Found that communication has come back stop first byzorg in. Cycle had just stopped, reservoir full at 3.15 m.
3435931			1517, Matweva DW/S	CALL	Refrish/ Replace/Repair	0		Matweva Low Chlorine alarm	COMP		6/27/23 06:15 PM	6/28/23 10:52 AM	Low chlorine Matweva DW/S -Received alarm at 1815, tried resetting remotely-- not successful. Arrived on site at 1955, tried manually priming pump. Cleared foot valve, I was full of plastic shavings. Turned the plant and pump 1 finished again. Day serviced to pump 2, purged with no issues. Cleared out the check valve on pump 1 and reset fault. Left pump 2 in duty for overnight.



Appendix D - Call-out Report for WWTL

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

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

Location: 1541*

Work Order Type: CALL,EMER

Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail		
				Type	Class	FBQ	Units	Work Order Description	Status	Schedule Start		Actual Start	Actual Finish
3346189		1541, Mattawa Wastewater System		CALL	Refurbish/ Replace/Repair	0	0	451 Bissetts PS Thermal Fault	COMP		4/16/23 06:00 AM	4/16/23 08:30 AM	451 Bissetts PS Thermal Fault - Received call from Telus at 0555 alarm at 451 Bissetts PS. Headed to site, pump #2 in thermal fault. Reset breaker, cleared fault and monitored cycle. Performed well level Mattawa 1101 Bissetts street high level -Received call at 02:10, and arrived on site 03:55. Noticed high level alarm still activated and pumps faulted. Tried resetting pumps. Needed to turn off main disconnect. Other pump had high amperage due to being clogged. Levels in wet well went below high level set point. Pump was still pumping and locked up gate. May/2/23 - set up aqua dams around lift stations. TF may 3/23 - fill and monitor aqua dams. if may/4/23 - rearrange plugs to overflows to minimize infiltration. TF Mattawa Flood Risk Emergency Response After Hours - On May 2, 2023 18:00 to 23:00 helped Tim and Josh with isolation bags install around lift stations.
3381121		1541, Mattawa Wastewater System		CALL	Refurbish/ Replace/Repair	0	0	Mattawa 1101 bissetts street high level	COMP		5/1/23 02:10 AM	5/2/23 05:53 PM	
3384197		1541, Mattawa Wastewater System		EMER	Predictive Maintenance	0	0	Mattawa Flood Risk Emergency Response After Hours	COMP		6/14/23 01:08 PM	6/14/23 01:08 PM	

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1541*
 Work Order Type: CALL,EMER
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail
				Type	Class	FEQ	Units	Status	Schedule Start	Actual Start	
134200		1541, Metawa Wastewater System		EMER	Predictive Maintenance	0		COMP	6/14/23 01:08 PM	6/14/23 01:08 PM	may 3/23 - finish setting up and filling aqua dars around pump stations. TF may 4/23 - purchase additional boxes, top up aqua dars camera suspected infiltrating manholes. TF may 5/23 - pick up camera trailer. TF may 8/23 - attend meeting at town hall for update. check pump stations. TF

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

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

Location: 1541*

Work Order Type: CALL,EMER

Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			World Log Detail		
				Type	Class	FRQ	Units	Work Order Description	Status	Schedule Start		Actual Start	Actual Finish
334711		1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0			Power Outage 1517/1541	COMP		4/23/23 01:45 PM	4/23/23 10:00 PM	<p>Power Outage 1517/1541</p> <p>Called by Telus alarms for multiple power failures. Arrived in Mattawa to find a mainline pole broke off. Monitored all stations. Power on Water plant also restored around 1430. Remainder of power back on around 2000.</p> <p>1350 called by telus for various alarms at all stations in regards to power outage.</p> <p>1440 onsite at 451 bissett. Power has restored. Reset p1 that was in failure. All else ok.</p> <p>1500 checked 1101 bissett, 601 mckenzie, 101 bossert and 130 moosehead, power all on, all ok.</p> <p>1615 checked 200 brook st, level is above grating. Wolf monitor.</p> <p>1625 check mattawan, generator running all ok. Check 200 louis st- level is above grating wolf continue to monitor.</p> <p>1900 - check locus st- level is 3' below overflow.</p> <p>1915 - check brook st- level is approx 1' below overflow.</p>



Workorder Summary Report

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1541°
 Work Order Type: CALL,EMER
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			Actual Start	Actual Finish	WorkLog Detail
				Type	Class	FREQ	Units	Work Order Description	Status	Schedule Start			
													2000 power restored- checked all stations, no overflow occurred at Inlet or brook. Mattawan switched back to shore power- all ok. 2100 onsite at brook st for general alarm, all ok, no issues found, level is normal, possible dirty eye from high level.



Appendix E - Performance Assessment Report Water

Mattawa Drinking Water System
Performance Assessment Report Water

From: 01/04/2023 to 30/06/2023

Report extracted 07/13/2023 13:54

Facility: [1517] MATTAWA DRINKING WATER SYSTEM

Works: [210001905]

	04/2023	05/2023	06/2023	<-Total->	<-Avg->	<-Max->	<-Min->
Flows:							
Raw Flow: Monthly Total - Well #1 (m³)	29798.45	31537.06	41063.66	102399.17			
Raw Flow: Monthly Total - Well #2 (m³)	3109.05	3640.42	2728.94	9478.4			
Raw Flow: Monthly Avg - Well #1 (m³/d)	999.28	1017.32	1368.79		1128.46		
Raw Flow: Monthly Avg - Well #2 (m³/d)	103.63	117.43	90.96		104.01		
Raw Flow: Monthly Max - Well #1 (m³/d)	1305.07	1528.73	1686.54			1686.54	
Raw Flow: Monthly Max - Well #2 (m³/d)	422.39	423.29	411.84			423.29	
Raw Flow: Monthly Total - Raw Water - Total (m³)	32907.5	35177.48	43792.6	111877.57			
Raw Flow: Monthly Avg - Raw Water - Total (m³/d)	1096.92	1134.76	1459.75		1230.48		
Raw Flow: Monthly Max - Raw Water - Total (m³/d)	1471.18	1570.29	1786.02			1786.02	
Turbidity:							
Raw: Max Turbidity - Well #1 (NTU)	0.25	0.28	0.27			0.28	
Raw: Max Turbidity - Well #2 (NTU)	0.37	0.28	0.36			0.37	
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)	<	6				6	
Chlorine Residuals:							
Treated: Min Free Cl2 Resid - TW (mg/L)	0.447	0.311	0.194			0.194	
Treated: Max Free Cl2 Resid - TW (mg/L)	3.864	2.115	3.982			3.982	
Dist: Min Free Cl2 Resid - DW (mg/L)	0.483	0.414	0.362			0.362	
Dist: Max Free Cl2 Resid - DW (mg/L)	1.44	1.539	1.584			1.584	
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			



Appendix F - Performance Assessment Report Wastewater

1541 MATTAWA WASTEWATER TREATMENT FACILITY 110000436

4 / 2023 5 / 2023 6 / 2023 <-Total-> <-Avg-> <-Max->

Flows

Raw Flow: Total - Raw m ³ /d	41,017.16	45,752.81	23,614.10	110,384.06		
Raw Flow: Avg - Raw m ³ /d	1,367.24	1,475.90	787.14		1,213.01	
Raw Flow: Max - Raw m ³ /d	1,813.16	3,243.25	971.93			3,243.25
Raw Flow: Count - Raw m ³ /d	30.00	31.00	30.00	91.00		
Eff. Flow: Total - Eff m ³ /d	41,017.16	45,752.81	23,614.10	110,384.06		
Eff. Flow: Avg - Eff m ³ /d	1,367.24	1,475.90	787.14		1,213.01	
Eff. Flow: Max - Eff m ³ /d	1,813.16	3,243.25	971.93			3,243.25
Eff Flow: Count - Eff m ³ /d	30.00	31.00	30.00	91.00		

Carbonaceous Biochemical Oxygen Demand: CBOD

Eff. Avg cBOD5 - Eff mg/L	8.20	5.30	12.80		8.77	12.80
Eff. # of samples of cBOD5 - Eff	1.00	1.00	1.00	3.00		
Loading: cBOD5 - Eff kg/d	0.245	0.403	0.375		10.63	0.40

Biochemical Oxygen Demand: BOD5

Raw. Avg BOD5 - Raw mg/L	74.70	125.00	119.40		106.37	125.00
Raw. # of samples of BOD5 - Raw	1.00	1.00	1.00	3.00		
Eff. Avg BOD5 - Eff mg/L	11.70	6.50	11.50		9.90	11.70
Eff. # of samples of BOD5 - Eff	1.00	1.00	1.00	3.00		
Loading: BOD5 - Eff kg/d	0.349	0.494	0.337		12.01	0.49

Total Suspended Solids: TSS

Raw. Avg TSS - Raw mg/L	73.00	147.00	87.00		102.33	147.00
Raw. # of samples of TSS - Raw	1.00	1.00	1.00	3.00		
Eff. Avg TSS - Eff mg/L	23.20	3.30	21.20		15.90	23.20
Eff. # of samples of TSS - Eff	1.00	1.00	1.00	3.00		
Loading: TSS - Eff kg/d	0.692	0.251	0.621		19.28	0.69

Total Phosphorus: TP

Raw. Avg TP - Raw mg/L	1.41	2.42	1.84		1.88	2.42
Raw. # of samples of TP - Raw	1.00	1.00	1.00	3.00		
Eff. Avg TP - Eff mg/L	1.55	1.04	0.67		1.09	1.55

Performance Assessment Report
Wastewater Treatment Facility
From (01/04/2023 to 30/06/2023)

Eff: # of samples of TP - Eff	4.00	4.00	12.00				
Loading: TP - Eff kg/d	0.046	0.083	0.026	1.32			0.08
Nitrogen Series							
Eff: Avg TAN - Eff mg/L	14.85	9.78	13.30	12.68			14.95
Eff: Avg NO3-N - Eff mg/L	1.00	1.00	1.00	1.00	<		<
Eff: # of samples of NO3-N - Eff	1.00	1.00	1.00	3.00			
Eff: Avg NO2-N - Eff mg/L	0.10	0.10	0.10	0.10	<		<
Eff: # of samples of NO2-N - Eff	1.00	1.00	1.00	3.00			

SYSTEM OVERVIEW

April 1st to June 30th, 2023

OPERATIONAL HIGHLIGHTS

Drinking Water System

- The water treatment system operated well during the second quarter.
- Watermain river crossing experienced damage to concrete anchors from floodwaters. The Town will arrange for divers to inspect the watermain and other infrastructure.
- Flood risk warning was issued by North Bay Mattawa Conservation Authority (NBMCA), and a state of emergency was declared by the Town on May 3rd lasting several weeks. OERT flood response trailer was towed from Kirkland Lake to Mattawa. Staff worked late into the night to lay out the inflatable berms and filled them to protect three vulnerable sewage lift stations. Several lift stations were pumping nearly continuously and experienced high levels. Flood waters did not breach the berms and the flood risk eventually subsided after several weeks. NBMCA downgraded the flood warning on May 17th, and the Town maintained a state of emergency until the end of the month.

Wastewater Treatment

- The wastewater treatment system performed well during the second quarter.
- 1101 Bissett St. Sewage Lift Station (SLS) pumps were plugged and pulled for cleaning.

CAPITAL PLAN PROGRESS

Drinking Water System

- Free lighting upgrade to light-emitting diode (LED) using IESO's Save On Energy program.
- Pilot project with Synergy Controls to trial an ultrasonic flowmeter, since injection of hypo upstream of original magmeter causes erratic readings due to conductivity. Initial results are overwhelmingly positive with the ultrasonic flowmeter providing smooth and accurate trends. It should have a positive influence on process. Phase 2 of the trial will be to run the plant off of the ultrasonic flowmeter. Trial began on June 22. Form 2 completed prior.

Wastewater Treatment

- Free lighting upgrade to LED using IESO's Save On Energy program.
- Replaced alum tank level transducer however, it did not solve all glitches. The transmitter also needs to be replaced. A new transmitter was ordered.
- Pulled pump at 601 McKenzie for rebuild.



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 2023 and all results fell within regulatory limits.
- Winter term lead, pH and alkalinity sampling completed April 12, 2023.
- Quarterly trihalomethanes (THM), haloacetic acids (HAA), Nitrate and Nitrite sampling completed April 12, 2023.
- Annual internal audit and risk assessment completed June 8, 2023. Five (5) opportunities for improvement (OFIs) identified and resolved.
- Off-site external Re-Accreditation audit completed June 7, 2023, there was one (1) OFI identified. Onsite Re-Accreditation audit completed June 21, 2023. One (1) OFI was identified. All resolved.
- 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 2023.
- Flow meter verification 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 Transportation of Dangerous Goods.
- Staff training completed on Human and Organizational Performance.
- Staff training completed on FEP Binder.

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



Appendix A - Work Order Summary for WTP

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1517*
 Work Order Type: CAP.CORR.OPER.PM
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail		
				Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start		Actual Start	Actual Finish
3318772	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1517	COMP	4/1/23 12:00 AM	6/21/23 05:55 AM	6/21/23 05:55 AM	Generator Monthly Test (1m) 1517 - Monthly generator test - Generator OK, no issues found
3318775			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#1) (1m / 1y) 1517	COMP	4/1/23 12:00 AM	6/21/23 05:56 AM	6/21/23 05:56 AM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517 - UV 1 passed monthly reference check, 90 ratio
3318778			1517, Mattawa DWS	PM	Calibration	1	MONTHS	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	COMP	4/1/23 12:00 AM	6/21/23 05:57 AM	6/21/23 05:57 AM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 - UV 2 passed monthly reference check, 110 ratio
3318781	0000349404	ANALYZER UV REFERENCE #1	1517, Mattawa DWS	PM	Calibration	0		0000349404 ANALYZER UV REFERENCE #1	COMP	4/1/23 12:00 AM	6/21/23 05:57 AM	6/21/23 05:57 AM	
3318784	0000349405	ANALYZER UV REFERENCE #2	1517, Mattawa DWS	PM	Calibration	0		0000349405 ANALYZER UV REFERENCE #2	COMP	4/1/23 12:00 AM	6/21/23 05:57 AM	6/21/23 05:57 AM	
3318787	0000349406	ANALYZER UV #2 DUTY #1	1517, Mattawa DWS	PM	Calibration	0		0000349406 ANALYZER UV #2 DUTY #1	COMP	4/1/23 12:00 AM	6/21/23 05:57 AM	6/21/23 05:57 AM	
3318790	0000349408	ANALYZER UV #2 DUTY #2	1517, Mattawa DWS	PM	Calibration	0		0000349408 ANALYZER UV #2 DUTY #2	COMP	4/1/23 12:00 AM	6/21/23 05:57 AM	6/21/23 05:57 AM	
3318853			1517, Mattawa DWS	PM	Refurbish/Replace/Repair	1	MONTHS	UVR Service (Spring & Fall) 1517	COMP	4/1/23 12:00 AM	6/21/23 05:58 AM	6/21/23 05:58 AM	UVR Service (Spring & Fall) 1517 - Reactors not serviced due to recent install
3318854			1517, Mattawa DWS	PM	Inspection	3	MONTHS	Replace UV Air Filters 1517	COMP	4/1/23 12:00 AM	6/21/23 05:59 AM	6/21/23 05:59 AM	Replace UV Air Filters 1517 - Air filters in UV's checked, still ok
3318858	0000328767	ANALYZER UV PORTABLE	1517, Mattawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	4/1/23 12:00 AM	6/21/23 06:00 AM	6/21/23 06:00 AM	UVT Analyzer calibration to yellow box (1m) 1517 - Checked optiview to Yellow box, 99.8%/100%
3318859			1517, Mattawa DWS	PM	Inspection	1	MONTHS	Critical Alarm Disabler Route (1m) 1517	COMP	4/1/23 12:00 AM	6/21/23 06:00 AM	6/21/23 06:00 AM	
3318858			1517, Mattawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	4/1/23 12:00 AM	6/21/23 06:00 AM	6/21/23 06:00 AM	
3318911	0000328800	TANK STORAGE SODIUM HYPO	1517, Mattawa DWS	PM	Refurbish/Replace/Repair	1	YEARS	Tank Holding Sodium Hypo Inspection/Maintenance (1y) 1517	COMP	4/1/23 12:00 AM	6/21/23 06:01 AM	6/21/23 06:01 AM	Tank Holding Sodium Hypo Inspection/Maintenance (1y) 1517 - Holding tank inspected daily, No issues found

Report Start Date Apr 1, 2023 12:00 AM
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 Location 1517*
 Work Order Type CAP.CORR.OPER.PM
 Work Order Class

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail		
				Type	Class	FEQ	Units	Status	Work Order Description	Schedule Start		Actual Start	Actual Finish
33109015	0000328758	VALVE REGULATING	1517, Mattawa DWS	PM	Inspection	1	MONTHS	COMP	Valve Regulating Inspection (1m) 1517	4/1/23 12:00 AM	6/21/23 06:02 AM	6/21/23 06:02 AM	Valve Regulating Inspection (1m) 1517 - visually check, valving dump - routine water plant inspections, all ok
33109022			1517, Mattawa DWS	PM	Calibration	1	MONTHS	COMP	Analyzer Chlorine Inspection/Service (1m) 1517	4/1/23 12:00 AM	6/21/23 06:03 AM	6/21/23 06:03 AM	Analyzer Chlorine Inspection/Service (1m) 1517 - Compared both PDE and distribution analyzers to hand held, within allowances
33109037			1517, Mattawa DWS	CORR	Refurbish/Replace/Repair	0		COMP	Pump 2 Pressure Switch Replacement		6/15/23 12:35 PM	6/15/23 12:35 PM	Pump 2 Pressure Switch Replacement - New Mercoid Pressure switch on order from Davis controls - Order Details - PRESSURE SWITCH 10-200 PSIG, SPDT - Davis Controls Item #DS-7231-153-8
3366335	0000328787	ANALYZER UV TRANSMITTANCE	1517, Mattawa DWS	PM	Refurbish/Replace/Repair	3	MONTHS	COMP	UV Transmitter Optiview calibration (3m) 1517	5/1/23 12:00 AM	6/21/23 06:04 AM	6/21/23 06:04 AM	UV Transmitter Optiview calibration (3m) 1517 - Compared Optiview to hand held 100%/100% all ok
3366340	0000328760	GENERATOR ELECTRIC DIESEL	1517, Mattawa DWS	PM	Refurbish/Replace/Repair	1	MONTHS	COMP	Generator Monthly Test (1m) 1517	5/1/23 12:00 AM	6/21/23 06:05 AM	6/21/23 06:05 AM	Generator Monthly Test (1m) 1517 - Generator tested OK, issues found on SCADA where alarms still coming in, to speak with Chris about programming once he is onsite
3366342			1517, Mattawa DWS	PM	Calibration	1	MONTHS	COMP	UV Reference Sensor check (UV#1) (1m / 1y) 1517	5/1/23 12:00 AM	6/21/23 06:06 AM	6/21/23 06:06 AM	
3366352			1517, Mattawa DWS	PM	Calibration	1	MONTHS	COMP	UV Reference Sensor check (UV#2) (1m / 1y) 1517	5/1/23 12:00 AM	6/21/23 06:06 AM	6/21/23 06:06 AM	
3366355	0000349404	ANALYZER UV REFERENCE #1	1517, Mattawa DWS	PM	Calibration	0		COMP	UV00349404 ANALYZER UV REFERENCE #1	5/1/23 12:00 AM	6/21/23 06:06 AM	6/21/23 06:06 AM	
3366358	0000349405	ANALYZER UV REFERENCE #2	1517, Mattawa DWS	PM	Calibration	0		COMP	UV00349405 ANALYZER UV REFERENCE #2	5/1/23 12:00 AM	6/21/23 06:06 AM	6/21/23 06:06 AM	
3366361	0000349406	ANALYZER UV #2 DUTY #1	1517, Mattawa DWS	PM	Calibration	0		COMP	UV00349406 ANALYZER UV #2 DUTY #1	5/1/23 12:00 AM	6/21/23 06:06 AM	6/21/23 06:06 AM	

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1517*
 Work Order Type: CAP CORR. OPER. PM
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail	
				Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start		Actual Start
3366363	0000349408	ANALYZER UV #2 DUTY #2	1517, Matawa DWS	PM	Calibration	0		1600349408 ANALYZER UV #2 DUTY #2	COMP	5/1/23 12:00 AM	6/21/23 06:06 AM	6/21/23 06:06 AM
3366380	0000328767	ANALYZER UV PORTABLE	1517, Matawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	5/1/23 12:00 AM	6/21/23 06:07 AM	6/21/23 06:07 AM
3366441			1517, Matawa DWS	PM	Inspection	1	MONTHS	Critical Alarm Dialer Route (1m) 1517	COMP	5/1/23 12:00 AM	6/21/23 06:07 AM	6/21/23 06:07 AM
3366450			1517, Matawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	5/1/23 12:00 AM	6/21/23 06:10 AM	6/21/23 06:10 AM
3366461	0000328792	TANK STORAGE RESERVOIR	1517, Matawa DWS	PM	Refurbish/ Replace/Repair	3	YEARS	Tank Reservoir Inspection (1y) 1517	COMP	5/1/23 12:00 AM	6/21/23 06:10 AM	6/21/23 06:10 AM
3366475	0000328758	VALVE REGULATING	1517, Matawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	5/1/23 12:00 AM	6/21/23 06:09 AM	6/21/23 06:09 AM
3366480	0000328753	WELL PRODUCING #1	1517, Matawa DWS	PM	Inspection	1	YEARS	Well Producing (1y / 10y) Inspection 1517	COMP	5/1/23 12:00 AM	6/21/23 06:09 AM	6/21/23 06:09 AM
3366484			1517, Matawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/ Service (1m) 1517	COMP	5/1/23 12:00 AM	8/3/23 03:18 PM	8/3/23 03:18 PM
3366488	0000328804	ANALYZER CHLORINE / PH AIT 102	1517, Matawa DWS	PM	Inspection	3	MONTHS	PH Analyzer Calibration (3m) 1517	COMP	5/1/23 12:00 AM	8/3/23 03:18 PM	8/3/23 03:18 PM
3366491			1517, Matawa DWS	PM	Inspection	3	MONTHS	PH Analyzer Calibration (POE) (3m) 1517	COMP	5/1/23 12:00 AM	8/3/23 03:19 PM	8/3/23 03:19 PM

Report Start Date Apr 1, 2023 12:00 AM
 Report End Date Jun 30, 2023 11:59 PM
 Location 1517*
 Work Order Type CAP.CORR.OPER.PM
 Work Order Class

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail	
				Type	Class	FEQ	Units	Status	Schedule Start	Actual Start		Actual Finish
3413661	0000328760	GENERATOR DIESEL	1517, Matawa DWS	OPER	Administrative	0		COMP	E&H Prosonic W400 Ultrasonic Flow Meter	7/24/23 11:03 AM	7/24/23 11:03 AM	PO for Strategic E&H Prosonic W400 Ultrasonic Flow Meter Trial PO for Strategic E&H Prosonic W400 Ultrasonic Flow Meter Trial is proposed to use ultrasonic flow measurement since the magnetic flow meter currently being used produces erratic readings due to chemical interference from sodium hypochlorite E&H Prosonic W400 Ultrasonic Flow Meter Purchase - The pilot project has been successful. The new flowmeter provides very stable trends and has several positive impacts on process operations. The flowmeter will be purchased for permanent installation Generator Monthly Test (1m) 1517 - Generator test was completed no issues found
3413662	0000349404	ANALYZER UV REFERENCE #1	1517, Matawa DWS	PM	Refurbish/Replace/Repair	1	MONTHS	COMP	Generator Monthly Test (1m) 1517	6/1/23 12:00 AM	8/3/23 03:19 PM	UVR Reference Sensor check (UV#1) (1m / 1y) 1517
3413663	0000349405	ANALYZER UV REFERENCE #2	1517, Matawa DWS	PM	Calibration	1	MONTHS	COMP	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	6/1/23 12:00 AM	8/3/23 03:20 PM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 - UV check was completed, UV 1 found within specs
3413664	0000349406	ANALYZER UV #2 DUTY #1	1517, Matawa DWS	PM	Calibration	0		COMP	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	6/1/23 12:00 AM	8/3/23 03:21 PM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 - UV 2 reference check was completed, no issues found at this time
3413665	0000349408	ANALYZER UV #2 DUTY #2	1517, Matawa DWS	PM	Calibration	0		COMP	UVR Reference Sensor check (UV#2) (1m / 1y) 1517	6/1/23 12:00 AM	8/3/23 03:21 PM	UVR Reference Sensor check (UV#2) (1m / 1y) 1517 - UV 2 reference check was completed, no issues found at this time

Workorder Summary Report

Report Start Date Apr 1, 2023 12:00 AM
 Report End Date Jun 30, 2023 11:59 PM
 Location 1517*
 Work Order Type CAP,CORR,OPER,PM
 Work Order Class

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail		
				Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start		Actual Start	Actual Finish
3413746	0000328767	ANALYZER UV PORTABLE	1517, Matawa DWS	PM	Inspection	1	MONTHS	UVT Analyzer calibration to yellow box (1m) 1517	COMP	6/1/23 12:00 AM	8/3/23 03:22 PM	8/3/23 03:22 PM	UVT Analyzer calibration to yellow box (1m) 1517 - Optics checked against yellow box found 100% 99.9%
3413762			1517, Matawa DWS	PM	Inspection	1	MONTHS	Critical Alarm Dialer Route (1m) - 1517	COMP	6/1/23 12:00 AM	8/3/23 03:22 PM	8/3/23 03:22 PM	
3413776			1517, Matawa DWS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1517	COMP	6/1/23 12:00 AM	8/3/23 03:22 PM	8/3/23 03:22 PM	
3413782	0000328736	VALVE REGULATING	1517, Matawa DWS	PM	Inspection	1	MONTHS	Valve Regulating Inspection (1m) 1517	COMP	6/1/23 12:00 AM	8/3/23 03:23 PM	8/3/23 03:23 PM	Valve Regulating Inspection (1m) 1517 - Checked all valves, all valves operate as they should
3413915			1517, Matawa DWS	PM	Calibration	1	MONTHS	Analyzer Chlorine Inspection/Service (1m) 1517	COMP	6/1/23 12:00 AM	8/3/23 03:24 PM	8/3/23 03:24 PM	Analyzer Chlorine Inspection/Service (1m) 1517 - Analyzer checked against handheld all ok



Appendix B - Work Order Summary for WWTL

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1541*
 Work Order Type: CAP-CORR,OPER,PM
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			Actual Finish	WorkLog Detail
				Type	Class	FEQ	Units	Status	Schedule Start	Actual Start		
3318929			1541, Matawa Wastewater System	PM	Inspection	1	MONTHS	COMP	4/1/23 12:00 AM	6/21/23 06:02 AM	6/21/23 06:02 AM	
3318936			1541, Matawa Wastewater System	PM	Health and Safety	1	MONTHS	COMP	4/1/23 12:00 AM	8/3/23 03:10 PM	8/3/23 03:10 PM	
3318950	0000328876	TANK STORAGE FUEL LAGOON	1541, Matawa Wastewater System	PM	Refurbish/Replace/Repair	1	YEARS	COMP	4/1/23 12:00 AM	8/3/23 03:11 PM	8/3/23 03:11 PM	Tank Storage Fuel Diesel Lagoon Insp/Service (1y) 1541 - Visual inspection done, no fuels leaks or issues found
3318953	0000328903	TANK STORAGE FUEL LAGOON	1541, Matawa Wastewater System	PM	Refurbish/Replace/Repair	1	YEARS	COMP	4/1/23 12:00 AM	8/3/23 03:11 PM	8/3/23 03:11 PM	Tank Storage Fuel Diesel Lagoon Insp/Service (1y) 1541 - Visual inspection done, no fuels leaks or issues found
3318956	0000328838	TANK STORAGE FUEL (M) MCKENZIE ST.	1541, Matawa Wastewater System	PM	Refurbish/Replace/Repair	1	YEARS	COMP	4/1/23 12:00 AM	8/3/23 03:12 PM	8/3/23 03:12 PM	Tank Storage Fuel Diesel Mckenzie St. Insp/Service (1y) 1541
3323681			1541, Matawa Wastewater System	PM	Refurbish/Replace/Repair	1	MONTHS	COMP	4/1/23 12:00 AM	8/3/23 03:12 PM	8/3/23 03:12 PM	Pump Submersible Group Inspection (1m) 1541 - All pumps checked weekly, no issues found at this time
3323687	0000328856	METER LEVEL ALUM	1541, Matawa Wastewater System	CORR	Refurbish/Replace/Repair	0		COMP		6/15/23 12:36 PM	6/15/23 12:36 PM	New level sensor for alum tank 1541 - level sensor for alum tank - SIEMENS XPS 10 - TRANSDUCER, 10M CABLE, - RANGE 10M, - BUILT-IN TEMP SENSOR, - KYNAR HOUSING, 1" NPT NIPPL
3323688	0000328888	TANK STORAGE ALUM	1541, Matawa Wastewater System	PM	Refurbish/Replace/Repair	1	MONTHS	COMP	4/1/23 12:00 AM	8/3/23 03:13 PM	8/3/23 03:13 PM	Tank Alum Inspection (1m) - 1541 - Checked alum tank, no leaks, no issues found

Report Start Date Apr 1, 2023 12:00 AM
 Report End Date Jun 30, 2023 11:59 PM
 Location 1541*
 Work Order Type CAP,CORR,OPER,PM
 Work Order Class

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule			Workorder Details				WorkLog Detail	
				Type	Class	FEQ	Units	Status	Schedule Start	Actual Start	Actual Finish			
3366536	0000328856	METER LEVEL ALUM	1541, Mattawa Wastewater System	CAP	Refurbish/ Replace/Repair	0			Alum Tank Level Transmitter-1541	COMP	5/1/23 03:32 PM	6/27/23 03:32 PM	6/27/23 03:32 PM	Alum Tank Level Transmitter-1541 Approval given by town to order new level transmitter. Order from dress today april 26/23 Order Details - 7ML5033-2DAW0-2A SIEMENS MULTIRANGER 200 WITH HMI DISPLAY - 4 BUTTON HMI WALL MOUNT STANDARD ENCLOSURE 100 to 230 VAC SINGLE POINT VERSION, 6 RELAYS, 0-20 mA or 4-20 mA OUTPUT
3366505			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS		Alarm Dialer Route (1m) - 1541	COMP	8/3/23 03:13 PM	8/3/23 03:13 PM	8/3/23 03:13 PM	
3366502			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS		Health And Safety Inspection (1m) 1541	COMP	8/3/23 03:13 PM	8/3/23 03:13 PM	8/3/23 03:13 PM	
3366513	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	8/3/23 03:15 PM	8/3/23 03:15 PM	8/3/23 03:15 PM	Tank Wet well 300 Mattawan St Insp/Service (1y) - 1541 - Station checked weekly, no physical issues found, a cleaning of soap/grease may be needed soon
3366522	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	8/3/23 03:15 PM	8/3/23 03:15 PM	8/3/23 03:15 PM	Tank Wet well 101 Bissett St Insp/Service (1y) - 1541 - Station checked weekly, no physical issues found, a cleaning of soap/grease may be needed soon
3366531	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	8/3/23 03:15 PM	8/3/23 03:15 PM	8/3/23 03:15 PM	Tank Wet well 200 Brook St Insp/Service (1y) - 1541 - Station checked weekly, no physical issues found, a cleaning of soap/grease may be needed soon
3366541	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	8/3/23 03:16 PM	8/3/23 03:16 PM	8/3/23 03:16 PM	Tank Wet well 300 Louis St Insp/Service (1y) - 1541 - Station checked weekly, no physical issues found, a cleaning of soap/grease may be needed soon

Workorder Summary Report

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1541*
 Work Order Type: CAP,CORR,OPER,PM
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details				WorkLog Detail
				Type	Class	FEQ	Units	Status	Schedule Start	Actual Start	Actual Finish	
<u>3366552</u>	0000328832	TANK PROCESS WET WELL 451 BISSETT ST	1541, Mattawa Wastewater System	PM	Refurbish/Replace/Repair	1	YEARS	COMP	5/1/23 12:00 AM	8/3/23 03:16 PM	8/3/23 03:16 PM	Tank Wet well 451 Bissett St Insp/Service (1y) - 1541 Station checked weekly, no physical issues found, a cleaning of soap grease may be needed soon
<u>3366559</u>	0000328850	TANK PROCESS WET WELL 601 MCKENZIE ST	1541, Mattawa Wastewater System	PM	Refurbish/Replace/Repair	1	YEARS	COMP	5/1/23 12:00 AM	8/3/23 03:17 PM	8/3/23 03:17 PM	Tank Wet well 601 McKenzie St Insp/Service (1y) - 1541 Station checked weekly, no physical issues found, a cleaning of soap grease may be needed soon
<u>3366578</u>	0000328897	TANK PROCESS WET WELL 1101 BISSETT ST	1541, Mattawa Wastewater System	PM	Refurbish/Replace/Repair	1	YEARS	COMP	5/1/23 12:00 AM	8/3/23 03:17 PM	8/3/23 03:17 PM	Tank Wet well 1101 Bissett St Insp/Service (1y) - 1541 Station checked weekly, no physical issues found, a cleaning of soap grease may be needed soon
<u>3372002</u>			1541, Mattawa Wastewater System	PM	Refurbish/Replace/Repair	1	MONTHS	COMP	5/1/23 12:00 AM	8/3/23 03:26 PM	8/3/23 03:26 PM	Pump Submersible Group Inspection (1m) 1541 - Check pumps weekly, no issues found at this time
<u>3383717</u>			1541, Mattawa Wastewater System	CAP	Refurbish/Replace/Repair	0		COMP	6/14/23 01:21 PM	6/14/23 01:21 PM	6/14/23 01:21 PM	Mattawa Flooding Work order made for supplies and pre-reporting for flooding pre-enuantration measures
<u>3385441</u>	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/Replace/Repair	1	MONTHS	COMP	5/16/23 12:00 AM	8/3/23 03:27 PM	8/3/23 03:27 PM	Tank Alum Inspection (1m) - 1541 - Checked alum tank for leaks or deficiencies, none found at this time
<u>3413794</u>	0000328859	ANALYZER GAS BUMP TEST	1541, Mattawa Wastewater System	PM	Calibration	6	MONTHS	COMP	6/1/23 12:00 AM	8/3/23 03:33 PM	8/3/23 03:33 PM	
<u>3413805</u>			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	COMP	6/1/23 12:00 AM	8/3/23 03:27 PM	8/3/23 03:27 PM	
<u>3413812</u>			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	COMP	6/1/23 12:00 AM	8/3/23 03:27 PM	8/3/23 03:27 PM	
<u>3413823</u>			1541, Mattawa Wastewater System	PM	Refurbish/Replace/Repair	1	YEARS	COMP	6/1/23 12:00 AM	8/3/23 03:28 PM	8/3/23 03:28 PM	Tank Process Lagoon Cells Insp/Service (1y) - 1541 - Lagoon house is all ok, air leak in header line top cell far corner scheduling underway to drain an fix the leak

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1541*
 Work Order Type: CAP.CORR.OPER.PM
 Work Order Class:

W/O #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details				WorkLog Detail
				Type	Class	FEQ	Units	Status	Schedule Start	Actual Start	Actual Finish	
3413337	0000328858	TANK STORAGE HOT WATER	1541, Matawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	COMP	6/1/23 12:00 AM	8/3/23 03:28 PM	8/3/23 03:28 PM	
3413341			1541, Matawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	COMP	6/1/23 12:00 AM	8/3/23 03:29 PM	8/3/23 03:29 PM	Pump Submersible Group Inspection (1m) 1541 - Pumps checked weekly, no issues found at this time
3433755	0000328874	GENERATOR ELECTRIC DIESEL BACKUP POWER	1541, Matawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	COMP	6/15/23 12:00 AM	8/3/23 03:29 PM	8/3/23 03:29 PM	Generator Monthly Test (1m) 1541 - Monthly generator test completed all ok
3433758	0000328842	GENERATOR ELECTRIC DIESEL 691 MCKENZIE ST.	1541, Matawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	COMP	6/15/23 12:00 AM	8/3/23 03:30 PM	8/3/23 03:30 PM	Generator Monthly Test (1m) 1541 - Monthly generator test completed no issues found
3433761	0000328901	GENERATOR DIESEL	1541, Matawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	COMP	6/15/23 12:00 AM	8/3/23 03:30 PM	8/3/23 03:30 PM	Generator Monthly Test (1m) 1541 - Monthly generator test completed, no issues found

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1541*
 Work Order Type: CAP,CORR,OPER,PM
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule			Workorder Details				WorkLog Detail
				Type	Class	FEQ	Units	Status	Work Order Description	Schedule Start	Actual Start	Actual Finish	
341394U	000032888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	CAP	Refurbish/Replace/Repair	0			COMP	601 Mckenzie SPS Pump Repair	6/15/23 11:05 AM	6/28/23 03:55 PM	Pump Repair - Pump at 601 Mckenzie imping main breaker. Pump pulled for inspection and has wobble. Pump to be taken out of service for repair. Repair Details - Submersible Pump Flygt 3 9HP 1745RPM, 230 Volts, 17A, 60HZ, 1PH, Imp-433, Model 3102 181-1081, Serial# 3102 181-40820243 Labour to dismantle, clean, check all bearing fits, test stator windings, inspect all parts, access damage and prepare estimate of repair. Assemble unit with new parts listed & perform no load full voltage test run. Dynamic Balance Rotor & Impeller 82 50 60 Sealing Washer 601 89 06 Basic Repair Kit 841794 Seal Sleeve (18)-20mm
341394U	000032888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/Replace/Repair	1	MONTHS		COMP	Tank Alum Inspection (1m) - 1541	6/16/23 12:00 AM	8/3/23 03:33 PM	Tank Alum Inspection (1m) - 1541 - Checked alum tank for any leaks or issues: none found



Appendix C - Call-out Report for WTP

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1517*
 Work Order Type: CALL,EMER
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail	
				Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start		Actual Start
3338616	0000340410	PANEL CONTROL UV #1	1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0	0	UV 1 Fail - 1517	COMP	4/1/23 10:30 PM	4/23 01:10 PM	UV 1 Fail - 1517 - Called for UV 1 fail. Remotely reviewed trending and plant. UV 1 failed on startup. Switched auto to uv 2 and started ok. Will address the issue when on- site tomorrow.
3338617	0000340412	PANEL CONTROL UV #2	1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0	0	Major Alarm, UV 1 & 2 Fail	CLOSE	4/2/23 12:00 AM	4/2/23 02:00 AM	WTP Communication Loss - Received message at 2112 from Josh D regarding a communication loss at the WTP. Arrived on site turned off pumps. Unplugged routers for 30 seconds. Couple minutes after powered restored to routers communication came back.
3338620			1517, Mattawa DWS	CALL	Refurbish/ Replace/Repair	0	0	WTP Communication Loss	COMP	4/14/23 09:45 PM	4/15/23 12:15 AM	WTP Communication Loss - Received message at 2112 from Josh D regarding a communication loss at the WTP. Arrived on site turned off pumps. Unplugged routers for 30 seconds. Couple minutes after powered restored to routers communication came back.
3338622			1517, Mattawa DWS	CALL	Compliance	0	0	Emergency: Water Service off/on at 471 Mattawan Street	COMP	5/21/23 09:25 PM	5/21/23 10:45 PM	Emergency: Water Service off/on at 471 Mattawan Street - 21:25--Received a call from Monique Mallette requesting assistance for an emergency: water off/on at 471 Mattawan Street. 21:35--Met with homeowner: water pouring into his crawl space. 21:50--Unable to remove metal detector to find buried standpipe. Contacted Jim Aussen to log onto CGIS to locate standpipe and bring the metal detector to find the standpipe. 22:15--Shut off water to 471 Mattawan Street. Supplied 1/2 inch shut off valve to homeowner. 22:30--Turned water back on at standpipe.

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1517*
 Work Order Type: CALLEMER
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			Actual Finish	Work/Log Detail	
				Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start			Actual Start
338075			1517, Matawa DWS	CALL	Refurbish/ Replace/Repair	0		Matawa DWS communication loss	COMP		5/21/23 07:15 PM	5/26/23 02:59 PM	Matawa DWS communication loss -Received an alarm loss of communication, reset power to modem. Communication returned, all ok
338745			1517, Matawa DWS	CALL	Refurbish/ Replace/Repair	0		UV2 failure	COMP		5/27/23 08:15 AM	5/27/23 09:30 AM	UV2 failure - Received alarm for UV2 fail Logged in, reset fault. Monitored until plant started with UV1 as duty. All OK
338720			1517, Matawa DWS	CALL	Refurbish/ Replace/Repair	0		WTP Communication Loss	COMP		6/16/23 03:15 AM	6/16/23 04:00 AM	WTP Communication Loss - Received alarm for comm loss Remotely checked in. Found that communication has come back, since first logging in. Cycle had just stopped, reservoir full at 3:15 in
338811			1517, Matawa DWS	CALL	Refurbish/ Replace/Repair	0		Matawa Low Chlorine alarm	COMP		6/27/23 06:15 PM	6/28/23 10:52 AM	Low chlorine Matawa DWS - Received alarm at 18:15, tried resetting remotely - not successful Arrived on site at 19:55, need manually priming pump. Cleaned foot valve. 1 was full or plastic shavings. Turned on plant and pump 1 faulted again. Duty switched to pump 2, pumped with no issues Cleaned out the check valves on pump 1 and reset fault. Left pump 2 in duty for overnight



Appendix D - Call-out Report for WWTL

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1541*
 Work Order Type: CALL, EMER
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail		
				Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start		Actual Start	Actual Finish
1384370		1541, Matawa Wastewater System	1541, Matawa Wastewater System	CALL	Refurbish/ Replace/Repair	0	0	-51 Bissette PS Thermal Fault	COMP		-4/16/23 06:00 AM	-4/16/23 08:30 AM	-431 Bissette PS Thermal Fault - Received call from Telus at 0555 alarm at 451 Bissette PS. Headed to site, pump #2 in thermal fault. Reset breaker, cleared fault and monitored cycle. Performed well level. Matawa 1101 Bissette street high level - Received call at 02:11 and arrived on site at 03:55. Noticed high level alarm will activate and pumps failed. Tried resetting pumps. Was able to reset one pump. The other pump had high amperage due to being clogged. Levels in wet well went below high level set point. Pump was still pumping and locked up gate. May 2/23 - set up aqua dams around lift stations. TF may 3/23 - fill and monitor aqua dams if may 4/23 - rearrange plugs to overflows to minimize infiltration. TF Matawa Flood Risk Emergency Response After Hours - On May 2, 2023 18:00 to 23:00 helped Tim and Josh with isolation bags install around lift stations
1383525		1541, Matawa Wastewater System	1541, Matawa Wastewater System	CALL	Refurbish/ Replace/Repair	0	0	Matawa 1101 Bissette street high level	COMP		5/1/23 02:10 AM	5/2/23 05:53 PM	
1384197		1541, Matawa Wastewater System	1541, Matawa Wastewater System	EMER	Productive Maintenance	0	0	Matawa Flood Risk Emergency Response After Hours	COMP		6/14/23 01:08 PM	6/14/23 01:08 PM	



Workorder Summary Report

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1541*
 Work Order Type: CALL,EMER
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail	
				Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start		Actual Start
1134200		1541, Mattawa Wastewater System		EMER	Predictive Maintenance	0		Mattawa Flood Risk Emergency Response	COMP	6/14/23 01:08 PM	6/14/23 01:08 PM	<ul style="list-style-type: none"> may 3/23 - finish setting up and filling aqua dams around pump stations TF may 4/23 - purchase additional hoses top up aqua dams camera suspected infiltrating manholes TF may 5/23 - pick up camera trailer TF may 8/23 - attend meeting at town hall for update check pump stations TF

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1541*
 Work Order Type: CALLEMER
 Work Order Class:

W/O #	Asset ID	Asset Description	Location Description	Work Order		PM Schedule		Workorder Details			WorkLog Detail
				Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	
15411			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		Power Outage 151771541	COMP	4/23/23 01:45 PM - 4/23/23 10:00 PM	<p>Power Outage 151771541</p> <p>Called by Telus alarms for multiple power failures. Arrived in Mattawa to find a mainline pole broke off. Monitored all stations. Power on Water plant side restored around 14:30. Remainder of power back on around 20:00</p> <p>1350 called by telus, for various alarms at all stations in regards to power outage.</p> <p>1440 onsite at 451 bissett. Power has restored. Reset p1 that was in failure. All else ok.</p> <p>1500 checked 1101 bissett, 601 mckenzie, 101 bosssett and 130 moosehead, power all on, all ok.</p> <p>1615 checked 200 brook st. level is above grating. Woll monitor.</p> <p>1625 check mattawan. generator running all ok.</p> <p>Check 200 louis st. level is above grating woll continue to monitor.</p> <p>1900 - check loous st. level is 3' below overflow.</p> <p>1915 - check brook st. level is approx 1' below overflow.</p>

Report Start Date: Apr 1, 2023 12:00 AM
 Report End Date: Jun 30, 2023 11:59 PM
 Location: 1541*
 Work Order Type: CALLEMER
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Work Order Description	Status	Workorder Details		Actual Start	Actual Finish	WorkLog Detail
				Type	Class	FEQ	Units			Schedule Start	Schedule Start			
														2000 power restored- checked all stations. no overflow occurred at Iouis or brook. Mattawan switched back to shore power- all ok. 2100 onsite at brook st for general alarm, all ok, no issues found. level is normal. possible dirty eye from high level.



Appendix E - Performance Assessment Report Water

Mattawa Drinking Water System
Performance Assessment Report Water

From: 01/04/2023 to 30/06/2023

Report extracted 07/13/2023 13:54

Facility: [1517] MATTAWA DRINKING WATER SYSTEM

Works: [210001905]

	04/2023	05/2023	06/2023	<--Total-->	<--Avg-->	<--Max-->	<--Min-->
Flows:							
Raw Flow: Monthly Total - Well #1 (m³)	29798.45	31537.06	41063.66	102399.17			
Raw Flow: Monthly Total - Well #2 (m³)	3109.05	3640.42	2728.94	9478.4			
Raw Flow: Monthly Avg - Well #1 (m³/d)	993.28	1017.32	1368.79		1126.46		
Raw Flow: Monthly Avg - Well #2 (m³/d)	103.63	117.43	90.96		104.01		
Raw Flow: Monthly Max - Well #1 (m³/d)	1305.07	1528.73	1666.54			1666.54	
Raw Flow: Monthly Max - Well #2 (m³/d)	422.39	423.29	411.84			423.29	
Raw Flow: Monthly Total - Raw Water - Total (m³)	32907.5	35177.48	43792.6	111877.57			
Raw Flow: Monthly Avg - Raw Water - Total (m³/d)	1096.92	1134.76	1459.75		1230.48		
Raw Flow: Monthly Max - Raw Water - Total (m³/d)	1471.18	1570.29	1786.02			1786.02	
Turbidity:							
Raw: Max Turbidity - Well #1 (NTU)	0.25	0.28	0.27			0.28	
Raw: Max Turbidity - Well #2 (NTU)	0.37	0.29	0.36			0.37	
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)	< 6					< 6	
Chlorine Residuals:							
Treated: Min Free Cl2 Resid - TW (mg/L)	0.447	0.311	0.194			0.194	
Treated: Max Free Cl2 Resid - TW (mg/L)	3.864	2.115	3.982			3.982	
Dist: Min Free Cl2 Resid - DW (mg/L)	0.483	0.414	0.362			0.362	
Dist: Max Free Cl2 Resid - DW (mg/L)	1.44	1.539	1.584			1.584	
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			



Appendix F - Performance Assessment Report Wastewater

1541 MATTAWA WASTEWATER TREATMENT FACILITY 110000436

4 / 2023 5 / 2023 6 / 2023 <--Total--> <--Avg--> <--Max-->

Flows

Raw Flow: Total - Raw m ³ /d	41,017.16	45,752.81	23,614.10	110,384.06		
Raw Flow: Avg - Raw m ³ /d	1,367.24	1,475.90	787.14		1,213.01	
Raw Flow: Max - Raw m ³ /d	1,813.16	3,243.25	971.93			3,243.25
Raw Flow: Count - Raw m ³ /d	30.00	31.00	30.00	91.00		
Eff. Flow: Total - Eff m ³ /d	41,017.16	45,752.81	23,614.10	110,384.06		
Eff. Flow: Avg - Eff m ³ /d	1,367.24	1,475.90	787.14		1,213.01	
Eff. Flow: Max - Eff m ³ /d	1,813.16	3,243.25	971.93			3,243.25
Eff Flow: Count - Eff m ³ /d	30.00	31.00	30.00	91.00		

Carbonaceous Biochemical Oxygen Demand: CBOD

Eff: Avg cBOD5 - Eff mg/L	8.20	5.30	12.80		8.77	12.80
Eff: # of samples of cBOD5 - Eff	1.00	1.00	1.00	3.00		
Loading: cBOD5 - Eff kg/d	0.245	0.403	0.375		10.63	0.40

Biochemical Oxygen Demand: BOD5

Raw: Avg BOD5 - Raw mg/L	74.70	125.00	119.40		106.37	125.00
Raw: # of samples of BOD5 - Raw	1.00	1.00	1.00	3.00		
Eff: Avg BOD5 - Eff mg/L	11.70	6.50	11.50		9.80	11.70
Eff: # of samples of BOD5 - Eff	1.00	1.00	1.00	3.00		
Loading: BOD5 - Eff kg/d	0.349	0.494	0.337		12.01	0.49

Total Suspended Solids: TSS

Raw: Avg TSS - Raw mg/L	73.00	147.00	87.00		102.33	147.00
Raw: # of samples of TSS - Raw	1.00	1.00	1.00	3.00		
Eff: Avg TSS - Eff mg/L	23.20	3.30	21.20		15.90	23.20
Eff: # of samples of TSS - Eff	1.00	1.00	1.00	3.00		
Loading: TSS - Eff kg/d	0.692	0.251	0.621		19.29	0.69

Total Phosphorus: TP

Raw: Avg TP - Raw mg/L	1.41	2.42	1.84		1.89	2.42
Raw: # of samples of TP - Raw	1.00	1.00	1.00	3.00		
Eff: Avg TP - Eff mg/L	1.55	1.04	0.67		1.09	1.55

Eff. # of samples of TP - Eff Loading	4.00	4.00	4.00	12.00	1.32	0.08
TP - Eff kg/d	0.046	0.083	0.026			
Nitrogen Series						
Eff. Avg TAN - Eff mg/L	14.95	9.78	13.30		12.68	14.95
Eff. Avg NO3-N - Eff mg/L	1.00	1.00	1.00		1.00	
Eff. # of samples of NO3-N - Eff	1.00	1.00	1.00	3.00		
Eff. Avg NO2-N - Eff mg/L	0.10	0.10	0.10		0.10	
Eff. # of samples of NO2-N - Eff	1.00	1.00	1.00	3.00		