



TOWN OF MATTAWA

2023

WASTEWATER TREATMENT &

COLLECTION SYSTEM

REPORT



Prepared on February 12, 2024.

Mattawa Class 1 Wastewater Lagoon System

The Town of Mattawa owns the Mattawa Lagoon Sewage Treatment Plant and the Mattawa Wastewater Collection System. OCWA operates the Mattawa Lagoon Sewage Treatment Plant, while The Town of Mattawa maintains the Mattawa Wastewater Collection System. The Lagoon is a Class 1 Wastewater Treatment Plant, and sanitary system is a Class 1 Wastewater Collection System. The Lagoon operates under the Ministry of Environment, Conservation and Parks Certificate of Approval number 3-1115-91-926. The works number on file is 110000436.

The Lagoon accepts sanitary discharge from a network of sewer mains and pumping stations within the physical boundary of the Town of Mattawa only. All influent entering the lagoon passes through a magnetic flow meter, after which the flow can be diverted to either the spare maintenance / emergency cell (clay lined), or the primary or secondary lagoon cell depending on requirements.

Both the primary and secondary lagoon cells are plastic lined and aerated, with 80% of the supplied air being discharged into the primary cell. Alum is injected into the control box for phosphorous removal, where flow from cell #1 is sent over to cell #2. This location provides good mixing, and is ideally suited for the system.

Effluent is continually discharged from the final control box at the end of cell #2, where it passes through a chamber of Ultra-Violet lights before finally discharging into the Ottawa River.

Sludge levels in the Cell #1 lagoon checked regularly and there is beginning to be an accumulation of sludge around the intake, which tapers off throughout the lagoon cell. The last full cleaning was completed in 2007, which means that removal may be expected in the upcoming years. 5000 gallons of sludge removed from inlet in 2020, and in future years, by an approved sludge hauler, with a vacuum truck and disposed of at an approved waste management system. Cell #1 sludge levels checked in 2020 while repairing aeration lines. Current levels indicate an average of 3-6 inches throughout the entire cell; however, there is an accumulation of sludge around the intake, which tapers off throughout the cell. No sludge removal completed in 2023.

Mattawa Class 1 Wastewater Collection System (WWCS)

The Mattawa WWCS is comprised of approximately 15 kilometers of sewer mains, 4.4 kilometers of forcemains, and a total of seven (7) sewage lift stations that receive gravity fed sewage and pump raw sewage through the forcemains to the Lagoon system for waste water treatment.

Flow Assessment

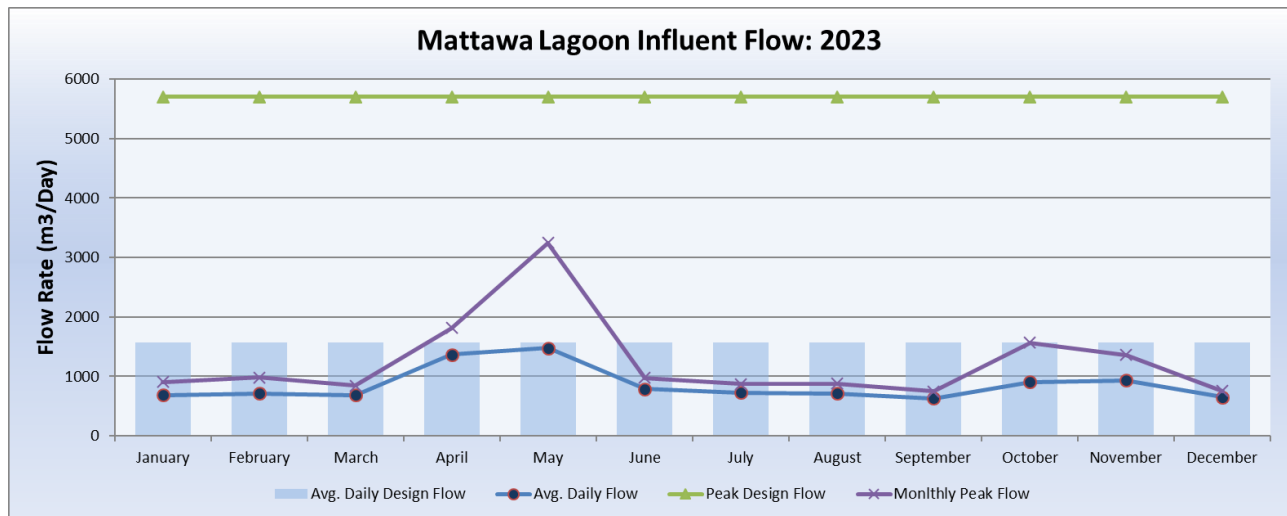
Rated Capacity: = Avg. 1,564 m³ / day with a peak flow of 5,702 m³ / day

Connected Population = Approximately 2,150 people

2023 Avg. Daily Flow = 855.8 m³ / Day

Total Flow for 2023 = 312,377 m³

As the chart below indicates, peak flow single day limit has not been exceeded during 2023, and the average daily flow is well below the average daily design flow. The magnetic flow meter verified on April 20, 2023.



Sampling & Testing Requirements

EFFLUENT PARAMETER	MEASUREMENT FREQUENCY	SAMPLE TYPE
5 day Biochemical Oxygen Demand	Monthly	Composite
Total Suspended Solids	Monthly	Composite
Total Phosphorus	Weekly	Composite
Ammonia (expressed as N)	Weekly	Composite
Total Residual Chlorine*	As Required*	Grab*
Total Kjeldahl Nitrogen	Monthly	Composite
Nitrite + Nitrate	Monthly	Composite
Fecal Coliforms	Monthly	Grab
Fecal Streptococcus	Monthly	Grab

*Effluent is not chlorinated, so there is no requirement to collect Total Residual Chlorine samples.

Annual Monitoring Data Summary & Effluent Quality Control

a. Compliance and Objective Sampling Results:

EFFLUENT PARAMETER	Compliance Limit	Objective Limit	Yearly Average	Single Year Maximum
5 day Biochemical Oxygen Demand	30 mg / L (12-month avg.)	25 mg / L (12-month avg.)	13.1 mg / L	27.4 mg / L (October)
5 day Carbonaceous Biochemical Oxygen Demand	WSER 25 mg/L (12-month avg.)	N/A	10.39 mg/L	18.1 mg/L (September)
Total Suspended Solids	30 mg / L (12-month avg.) WSER 25 mg/L (12-month avg.)	25 mg / L (12-month avg.)	20.1 mg / L	42.1 mg / L (September)
Total Phosphorus	2.5 mg / L (monthly avg.)	2.5 mg / L (monthly avg.)	1.32 mg / L	2.41 mg / L (January) Monthly Average Maximum
Fecal Coliforms	N/A	100 / 100 mL (single sample)	Annual GEO MEAN = 727 cfu/100 mL	20000 cfu / 100 mL (January)

b. Compliance and Objective Loading Calculations:

EFFLUENT PARAMETER	Compliance Limit and considerations	Objective Limit and considerations	Results
5 day Biochemical Oxygen Demand	46.92 Kg/day from 12 month average multiplied by 12 month	39.1 Kg/day from 12 month average multiplied by 12 month	11.23 Kg / day
Suspended Solids	46.92 Kg/day from 12 month average multiplied by 12 month	39.1 Kg/day from 12 month average multiplied by 12 month	17.17 Kg / day
Total Phosphorus	3.91 Kg/day from monthly average multiplied by avg. daily flow for month	3.91 Kg/day from monthly average multiplied by avg. daily flow for month	*1.09 Kg / day (yearly avg.)

*No month in 2023 exceeded the Total Phosphorous loading limit. The average loading for 12 months was 1.09 Kg/day, well below the compliance limit. The maximum month was 2.12 Kg/day, which is also below the compliance and objective limit. (see *Appendix A—2023 Parameter Average Calculations*).

c. Additional Sampling Results:

EFFLUENT PARAMETER	Range	Units
pH	6.83 – 7.94	N/A
Fecal Strep	< 10— 10400	cfu/100 mL
Total Kjeldahl Nitrogen	2.0—30.20	mg / L
Nitrite + Nitrate	< 1.0 —59.8	mg / L
Ammonia	0.21—20.36	mg / L

(See *Appendix A* and *Appendix B* for 2023 influent and effluent sample results.)

By-passes and Spills

a. Lagoon: There were no lagoon by-passes/overflows in 2023.

b. Collection System: There were no collection system by-passes/overflows in 2023.

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. OCWA’s Emergency Response Team (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.

Community Complaints

There were no community complaint in 2023.

Contingency Manual & Procedures

Operators follow the “Operations Brief for Sewage Works Upgrading Manual” that was produced following the sewage works upgrade in 1992. This manual was updated upon OCWA becoming ORO/Operating Authority of the Wastewater Lagoon and Collection System. A Facility Emergency Plan (FEP) binder was produced to provide additional direction; including, standard operating procedures (SOP) and contingencies.

Repairs and Maintenance

a. Lagoon and Control Building

Regular maintenance at the lagoon and control building included monthly generator testing, ensuring automatic power switch-over, blower motor maintenance (changing oils, belts, etc.) and cleaning of the UV lights and discharge chamber. The lights were cleaned quarterly during the spring, summer and fall months, and all bulbs and lamp sleeves were replaced in 2023. Normal practice is to clean the lamp sleeves monthly

during the spring, summer and fall months and replace them every two years or as necessary. Bulbs replaced as they burn out as well.

The malfunction of the UV system control board that we experienced in August of 2016 continued to plague us well into 2018, despite several onsite visits from H2Flow technicians. After replacing every critical component in the UV system we finally achieved a proper communication between the UV lamps and the control board located in the Lagoon building. Throughout the problems, the UV lights continued to work as intended, giving us good disinfection of the effluent during the season when users downstream are active. Operators verified the UV lights were operational with visual confirmation while the communications link remained non-functional. Due to aging bulbs, not achieving regular disinfection during July and August 2023, full replacement of bulbs and sleeves completed in 2023.

The main lagoon control box (where all sewage enters the primary lagoon cell) was isolated and cleaned with a vacuum truck, removing all rags and heavy grit. This is an annual practice.

Regular inspections of the berms around the lagoon were conducted, with the roadway around the cells maintained by cutting the grass, removing debris, etc.

Lagoon level control boxes were inspected, and levels were adjusted before winter to account for ice cover.

Alum tank level sensor failed. Replacement on order.

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.

Blower motor #2 failed and sent out for rebuild assessment.

Annual generator servicing completed.

Electrical Safety Authority inspection completed at lagoon building on September 27, 2023. No defects were identified.

b. Lift stations and Collection System

The three year flushing and CCTV inspection program completed during the third year in 2018, providing GPS points of all the sanitary connections to the sewage mains. Last year's report incorrectly reported the cost to be \$60, 000 for the three year contract when in fact it is \$90,000. The entire sanitary system has now been flushed and CCTV'd. Manhole repair continued through 2018 with several problematic manhole structure repaired and/or refurbished. Almost all of the footage from the inspections showed the sanitary in good condition, with no major problems except for an old sanitary line that runs in an easement where the new Long Term Care Home (LTCH) is currently being built. This short but critical section of old eight inch asbestos cement sanitary pipe was replaced with the cooperation Hospital management team. Approximately 160 meters of twelve-inch plastic sewer pipe installed at a cost of approximately \$210,000.

Typically, all seven lift stations are pumped down and all debris (grit/rags) are vacuumed out using a vacuum excavator annually. All completed in 2023. In 2019, Xylem inspected and serviced impellers/wear rings on pumps at all seven sewage lift stations. Additionally, the lift stations are flushed, as

necessary, by operators using high-pressure hoses, and then cleaned by manually removing rags and debris, also as necessary.

Purchase of a portable generator to help run the sewage lift stations that do not have standby generators. Currently, the electrical connections and panels are not installed. Plans are in place to complete panels and electrical connections upon receiving quotes from contractors. All electrical components required procured and installed where possible.

1101 Bissett St. Sewage Lift Station (SLS) pumps were plugged and pulled for cleaning twice.

Pulled pump at 601 McKenzie SLS for rebuild.

Annual generator servicing completed.

Refer to *Appendix C* for a 2023 summary of maintenance.

Record Keeping

Operators attend the lagoon and control building typically two-four times per week from Monday to Friday, excluding holidays. Regular observations recorded in the facility Logbook. Xylem sewage lift station inspection findings are saved on OCWA's public drive. Results from these inspections are included in the annual Capital and Major Maintenance Recommendations Report that is provided to the Owner.

A summary of any effluent quality assurance or control measures undertaken during the reporting period;

Effluent quality assurance is maintained in number of ways: The effluent parameters specified in the above tables *a, b and c* on page 4: are analyzed by an accredited laboratory. The results are reviewed on a regular basis to ensure compliance with site's objectives and limits. Annual sample calendars issued as reminder of required sampling.

Effluent control measures include: In-house tests are conducted by licensed Operators for monitoring purposes using Standard Methods and the data generated from these tests is used to determine the treatment efficiency while maintaining process control. All in-house monitoring equipment is calibrated based on the manufactures recommendations.

Conclusion

All effluent sample results were well below compliance **requirements**. All effluent sample results were below the effluent quality **objectives**, with the exception of Fecal Coliforms. Often during the winter, fall and spring months, the effluent quality **objective** for Fecal Coliforms was not achieved in single sample analysis. The onset of winter and colder temperatures slows the natural biological processes that help the UV disinfection system to control this parameter. Good disinfection is typically achieved during the summer season when recreational activities are expected downstream of the discharge. Recently higher than normal Fecal Coliforms detected, possibly due to older UV bulbs, which were replaced in 2023. See *Appendix B* for individual sample results.

Regular deliveries of Alum ensure dosage targets are met, and phosphorus levels in the effluent remain below the effluent objectives. Dosage changes are made as necessary based on sample trends.

All indications are that the Mattawa Lagoons provide adequate treatment for the size of the municipality and the raw water parameters.

Certification

I certify that the information in this document and all attachments are correct, accurate and complete to the best of my knowledge.

Joshua Gravelle
Process & Compliance Technician
Ontario Clean Water Agency
705-568-7000

APPENDIX A--2023 Parameter Average Calculations

January-11-23

Days	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
	31	28	31	30	31	30	31	31	30	31	30	31
Total Flow *	21130	19865	21284	41017	45753	23614	22426	22145	18980	28106	27968	20088
Peak Flow	902.0	980.0	840.4	1813.2	3243.3	971.9	869.2	876.9	745.4	1567.2	1361.0	752.0
M³ / Day	681.6	709.5	686.6	1367.2	1475.9	787.1	723.4	714.4	632.7	906.6	932.3	648.0

* = measured at Sewage Treatment Plant Meter

BOD₅ Treated	9.9	11.1	12.0	11.7	6.5	11.5	16.5	18.1	19.7	27.4	7.0	6.0
BOD₅ Raw	145.2	151.0	162	74.7	125	119.4	162	250	144.3	135.5	148	73.0
CBOD₅ WSEF Treated	5.8	7.9	9	8.2	5.3	12.8	13.9	17.5	18.1	13.2	7	6

TSS Treated	14.3	14.0	17.1	23.2	3.3	21.2	34.4	33.0	42.1	21.5	10.2	6.5
TSS Raw	175.0	143.0	174.0	73.0	147.0	87.0	145.0	289.0	153.0	120.8	133.00	114.0
TP Raw	3.31	2.87	4.38	1.41	2.42	1.73	3.85	3.35	3.40	2.33	2.42	3.05
TKN	26.00	23.1	30.2	11.9	12.1	12.8	2.0	7.2	19.70	11.7	13.5	18.4

Nitrate	<RDL	<RDL	49.900	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	0.3	0.2	0.08
Nitrate & Nitrite	<RDL	<RDL	59.800	<RDL	<RDL	<RDL	<RDL	1.09	0.023	2.8	0.5	<RDL
Ammonia	14.30	16.97	18.30	19.00	6.44	13.60	11.50	0.21	10.20	10.40	12.1	14.00
	17.80	18.20	20.36	15.70	8.24	13.40	9.61	0.96	12.70	13.50	14.80	14.60
	20.10	19.80	20.30	14.00	8.98	13.60	5.17	2.13	11.30	10.50	14.50	15.10
	18.40	19.20	13.80	11.10	10.70	12.60	0.73	1.36	15.70	11.80	13.60	16.70
		13.00			13.00			6.90		10.40		
Avg Ammonia	17.65	17.43	18.19	14.95	9.47	13.30	6.75	2.31	12.48	11.32	14.30	15.10

Phosp	2.40	2.48	1.74	1.53	1.09	0.88	0.62	0.95	1.92	1.71	0.71	0.54
Weekly	2.58	2.68	1.47	1.59	0.90	0.73	0.33	1.03	2.97	1.39	0.59	0.60
Test	2.17	2.69	1.36	1.89	1.10	0.68	0.46	1.22	2.29	0.69	0.60	0.60
Results	2.47	1.90	1.47	1.18	0.85	0.39	0.78	1.26	1.88	0.56	0.52	0.88
		1.72			1.12			1.69		0.59		
Avg Phosp.:	2.41	2.29	1.51	1.55	1.01	0.67	0.55	1.23	2.27	0.99	0.61	0.66

Monthly Phos Loading: Kg/d	1.64	1.63	1.04	2.12	1.49	0.53	0.40	0.88	1.43	0.90	0.56	0.42
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Annual BOD₅ Loading:	11.23 Kg/day	Annual Loading Average = 46.92 Kg/d						Total Annual Flow: 312,376.6 M³ Annual Avg Daily flow (M³/Day): 855.8 M³/Day BOD₅ Annual Average: 13.1 mg/L TSS Annual Average: 20.1 mg/L Phosphorous Annual Average: 1.32 mg/L CBOD₅ Annual Average: 10.39 mg/L					
Annual TSS Loading:	17.17 Kg/day												

NOTES: Two monthly samples collected in October. Monthly averages used in table above. October 24 results (all in mg/L): Effluent: BOD5 = 28.7, CBOD5 = 11.8, Nitrate = 0.3, Nitrate & Nitrite = 2.6, TKN = 12.1, TSS = 29.0. Raw: BOD5 = 128, pH = 6.97, TP = 2.53, TSS = 146.0. October 31 results (all in mg/L): Effluent: BOD5 = 26.1, CBOD5 = 14.6, Nitrate = 0.377, Nitrate & Nitrite = 2.99, TKN = 11.3, TSS = 13.9. Raw: BOD5 = 143, pH = 7.21, TP = 2.12, TSS = 95.5.

Appendix C

Maintenance Summary

Workorder Summary Report

 Report Start Date: Jan 1, 2023 12:00 AM
 Report End Date: Dec 31, 2023 11:59 PM
 Location: 1541*
 Work Order Type: CALL,CAP,CORR,EMER,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
3181036			1541, Mattawa Wastewater System	PM	Inspection	1	YEARS	Daily O&M Activities Wastewater System (1y) 1541	COMP	1/1/23 12:00 AM	1/3/24 09:57 AM	1/3/24 09:57 AM	Daily O&M Activities Wastewater System (1y) 1541 - Assisted Josh with pulling a pump at Mackenzie street lift station camera sewer ninth st - upon request cameraed sewer main on ninth st regarding sewer backup at 351 ninth. toilet paper jammed in main at lateral to 351 ninth st. cleared blockage with rods, flushed and cameraed main to bridges st. all ok. TF Dec 20/23
3181715			1541, Mattawa Wastewater System	PM	Inspection	1	YEARS	Lifting Equipment Inspection Route (1y) 1541	COMP	1/1/23 12:00 AM	1/9/24 01:25 PM	1/9/24 01:25 PM	
3181722			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	CLOSE	1/1/23 12:00 AM	2/12/23 07:23 PM	2/12/23 07:23 PM	
3181736			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	CLOSE	1/1/23 12:00 AM	2/12/23 07:23 PM	2/12/23 07:23 PM	
3186366			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	CLOSE	1/1/23 12:00 AM	2/12/23 07:04 PM	2/12/23 07:04 PM	Pump Submersible Group Inspection (1m) 1541 - Visually checked pumps, switched from hand to manual, no issues seen at this time
3187039			1541, Mattawa Wastewater System	PM	Health and Safety	1	YEARS	WHMIS/MSDS/NSF Review and Update (1y) 1541	COMP	1/1/23 12:00 AM	1/9/24 11:55 AM	1/9/24 11:55 AM	
3201216			1541, Mattawa Wastewater System	CALL	Community Complaint	0		300 Mattawan pump station, noise	CLOSE		12/31/22 09:30 AM	1/3/23 10:47 AM	300 Mattawan pump station, noise - Josh received a community complaint at 0230 regarding a banging at lift station at 300 Mattawan street. arrived on site at 1110, checked lift stations for alarms, none. Tested both pumps and no abnormal sounds on start up or shut down noticed. Locked up site.
3203912	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	CLOSE	1/16/23 12:00 AM	2/12/23 06:43 PM	2/12/23 06:43 PM	Tank Alum Inspection (1m) - 1541 - Visual inspection of alum tank completed weekly, no issues found, no leaks found
3229124			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	CLOSE	2/1/23 12:00 AM	5/15/23 06:57 AM	5/15/23 06:57 AM	

Workorder Summary Report

 Report Start Date: Jan 1, 2023 12:00 AM
 Report End Date: Dec 31, 2023 11:59 PM
 Location: 1541*
 Work Order Type: CALL,CAP,CORR,EMER,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
3229131	0000328891	PUMP PERISTALTIC 01	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Peristaltic 01 Alum Insp/ Service (1y) - 1541	CLOSE	2/1/23 12:00 AM	5/15/23 06:59 AM	5/15/23 06:59 AM	Pump Peristaltic 01 Alum Insp/ Service (1y) - 1541 - Visually inspected, all ok, ran pump at max for 2 min. no issues found
3229148	0000328892	PUMP PERISTALTIC 02	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Peristaltic 01 Alum Insp/ Service (1y) - 1541	CLOSE	2/1/23 12:00 AM	5/15/23 06:59 AM	5/15/23 06:59 AM	Pump Peristaltic 01 Alum Insp/ Service (1y) - 1541 - Visually inspected, all ok, ran pump at max for 2 min. no issues found
3229165			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	CLOSE	2/1/23 12:00 AM	5/15/23 07:00 AM	5/15/23 07:00 AM	Health And Safety Inspection (1m) 1541 - Visual inispecton of fre extinguishers and first aid kits, all ok
3232768			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	CLOSE	2/1/23 12:00 AM	2/12/23 07:05 PM	2/12/23 07:05 PM	
3243852			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		101 Bissett High level alarm -1541	CLOSE		1/25/23 06:45 PM	1/25/23 08:00 PM	101 Bissett High level alarm -1541 - 1901- On-site at 101 first st for high level alarm. found pumps to be tripped. Reset pumps and seems to be pumping down quickly. Will monitor pumps.
3245162			1541, Mattawa Wastewater System	CAP	Refurbish/ Replace/Repair	0		Alum Order For Lagoon-1541	CLOSE		3/14/23 02:55 PM	3/14/23 02:55 PM	Alum Order For Lagoon-1541 - Yearly order of Alum Alum Order Details - KEMIRA ALS BULK 24,990.000 KG 386.0000 CN code: 2833220000 Net weight: 24,990.000 KG 55,093.564 LB Gross weight: 24,990.000 KG 55,093.564 LB Delivery no / Date:85813573 / 02/13/2023 UN3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Aluminium sulphate), 8, PGIII, RQ Country of Origin: CA 24,990.000 KG

Workorder Summary Report

 Report Start Date: Jan 1, 2023 12:00 AM
 Report End Date: Dec 31, 2023 11:59 PM
 Location: 1541*
 Work Order Type: CALL,CAP,CORR,EMER,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
3245938	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	CLOSE	2/16/23 12:00 AM	5/15/23 07:02 AM	5/15/23 07:02 AM	Tank Alum Inspection (1m) - 1541 - CHecked alum tank no issues found
3272072			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	CLOSE	3/1/23 12:00 AM	5/15/23 07:13 AM	5/15/23 07:13 AM	
3272079			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	CLOSE	3/1/23 12:00 AM	5/15/23 07:13 AM	5/15/23 07:13 AM	
3275630			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	CLOSE	3/1/23 12:00 AM	5/15/23 07:13 AM	5/15/23 07:13 AM	Pump Submersible Group Inspection (1m) 1541 - All pumps operated in manual, all ok
3287418	0000328887	VALVE SLUICE GATE DIVERSION CHAMBER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Sluice Gate Inspection (1y) 1541	CLOSE	4/1/23 12:00 AM	5/15/23 07:12 AM	5/15/23 07:12 AM	Sluice Gate Inspection (1y) 1541 - Moved sluice gate up and down, all ok
3287552			1541, Mattawa Wastewater System	CAP	Health and Safety	0		Lagoon Generator Health & Safety Guarding	CLOSE		3/2/23 08:00 AM	3/2/23 08:00 AM	Generator Health & Safety Guarding - Installed cages around moving parts on generator to remove risk of injury.
3287553			1541, Mattawa Wastewater System	CAP	Health and Safety	0		Mattawan Sewage Pump Station Generator: Health & Safety Guarding	CLOSE		3/2/23 08:04 AM	3/2/23 08:04 AM	Health & Safety Guarding - Installed cage around moving parts on the SPS generator to avoid potential for injury.
3289242	0000328874	GENERATOR ELECTRIC DIESEL BACKUP POWER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	CLOSE	3/12/23 12:00 AM	5/15/23 07:11 AM	5/15/23 07:11 AM	Generator Monthly Test (1m) 1541 - generator test ok
3289245	0000328842	GENERATOR ELECTRIC DIESEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	CLOSE	3/12/23 12:00 AM	5/15/23 07:11 AM	5/15/23 07:11 AM	Generator Monthly Test (1m) 1541 - Generator test OK
3289248	0000328901	GENERATOR ELECTRIC DIESEL	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	CLOSE	3/12/23 12:00 AM	5/15/23 07:11 AM	5/15/23 07:11 AM	Generator Monthly Test (1m) 1541 - Generator test OK
3289251			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 1541	CLOSE	3/12/23 12:00 AM	10/13/23 08:22 AM	10/13/23 08:22 AM	TPM Inspection/Maintenance (1m) 1541 - Checked all, No issues found
3289729	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	CLOSE	3/16/23 12:00 AM	5/15/23 07:07 AM	5/15/23 07:07 AM	0000349408 SENSOR UV #2 DUTY #2 - no leaks in the alum tank

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				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3318758	0000328854	UV LIGHT REACTOR SYSTEM	1541, Mattawa Wastewater System	PM	Inspection	6	MONTHS	UV Reactor service Fall (6m) 1541	CLOSE	4/1/23 12:00 AM	10/13/23 08:06 AM	10/13/23 08:06 AM	UV Reactor service Fall (6m) 1541 - Completed UV service, Replaced all Bulbs sleeves and O rings. All operating as normal. Cleaned and pressure washed the channel
3318765	0000328854	UV LIGHT REACTOR SYSTEM	1541, Mattawa Wastewater System	PM	Inspection	6	MONTHS	UV Reactor service Spring (6m) 1541	CLOSE	4/1/23 12:00 AM	10/13/23 08:05 AM	10/13/23 08:05 AM	
3318929			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	CLOSE	4/1/23 12:00 AM	6/21/23 06:02 AM	6/21/23 06:02 AM	
3318936			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	CLOSE	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, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Storage Fuel Diesel Lagoon Insp/Service (1y) 1541	CLOSE	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
3318958	0000328903	TANK STORAGE FUEL LAGOON	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Storage Fuel Diesel Lagoon Insp/Service (1y) 1541	CLOSE	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
3318966	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	CLOSE	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 - Visual inspection done, no fuels leaks or issues found
3323681			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	CLOSE	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
3338017	0000328856	METER LEVEL ALUM	1541, Mattawa Wastewater System	CORR	Refurbish/ Replace/Repair	0		New level sensor for alum tank -1541	CLOSE		6/15/23 12:36 PM	6/15/23 12:36 PM	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	Tank Alum Inspection (1m) - 1541	CLOSE	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

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3340389			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		451 Bisette PS Thermal Fault	CLOSE		4/16/23 06:00 AM	4/16/23 08:30 AM	451 Bisette PS Thermal Fault - Received call from Telus at 0555, alarm at 451 Bisette PS. Headed to site, pump #2 in thermal fault. Reset breaker, cleared fault and monitored cycle. Performed well
3341636	0000328856	METER LEVEL ALUM	1541, Mattawa Wastewater System	CAP	Refurbish/ Replace/Repair	0		Alum Tank Level Transmitter-1541	CLOSE		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 chess today april 26/23 Order Details - 7ML5033-2DA00-2A 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
3366495			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	CLOSE	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	CLOSE	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	CLOSE	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	CLOSE	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	CLOSE	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

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3366543	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	CLOSE	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
3366552	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	CLOSE	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
3366569	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	CLOSE	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
3366578	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	CLOSE	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
3370019			1541, Mattawa Wastewater System	PM	Refurbish/Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	CLOSE	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
3383525			1541, Mattawa Wastewater System	CALL	Refurbish/Replace/Repair	0		Mattawa 1101 bissette street high level	CLOSE		5/1/23 02:10 AM	5/3/23 05:53 PM	Mattawa 1101 Bissette street high level -Received call at 0210, and arrived on site 03:55. Noticed high level alarm still activated and pumps faulted. Tried resetting pumps, needed to turn off main disconnect. 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.
3383717			1541, Mattawa Wastewater System	CAP	Refurbish/Replace/Repair	0		Mattawa 2023 Flooding prevention/ measures	CLOSE		6/14/23 01:21 PM	6/14/23 01:21 PM	Mattawa flooding -Work order made for supplies and time reporting for flooding prevention/remediation measures.

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3384197			1541, Mattawa Wastewater System	EMER	Predictive Maintenance	0		Mattawa Flood Risk Emergency Response After Hours	CLOSE		6/14/23 01:08 PM	6/14/23 01:08 PM	May2/23 - set up aqua dams around lift stations. TF may 3/23 - fill and monitor aqua dams. tf may4/23 - 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.
3384200			1541, Mattawa Wastewater System	EMER	Predictive Maintenance	0		Mattawa Flood Risk Emergency Response	CLOSE		6/14/23 01:08 PM	6/14/23 01:08 PM	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

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3384711			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		Power Outage 1517/1541	CLOSE		4/23/23 01:45 PM	4/23/23 10:00 PM	Power Outage 1517/1541 - 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 1430. Remainder of power back on around 2000. 1350 called by telus, for various alarms at all ststions in regards to power outage. 1440 onsite at 451 bissett. Power has restored. Reset p1 that was in failure. All else ok. 1500 checked 1101 bissett, 601 mckenzie, 101 bossett and 130 moosehead, power all on, all ok. 1615 checked 200 brook st, level is above grating. Woll monitor. 1625 check mattawan, generator running all ok. Check 200 louis st- level is above grating woll continue to montor. 1900 - check loous st- level is 3' below overflow. 1915 - check brook st- level is approx 1' below overflow.

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													2000 power restored- checked all stations, no overflow occurred at loius 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.
3385441	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	CLOSE	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
3413794	0000328859	ANALYZER GAS BUMP TEST	1541, Mattawa Wastewater System	PM	Calibration	6	MONTHS	Analyzer Gas C02 (6m) 1541	CLOSE	6/1/23 12:00 AM	8/3/23 03:33 PM	8/3/23 03:33 PM	
3413805			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	CLOSE	6/1/23 12:00 AM	8/3/23 03:27 PM	8/3/23 03:27 PM	
3413812			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	CLOSE	6/1/23 12:00 AM	8/3/23 03:27 PM	8/3/23 03:27 PM	
3413823			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Process Lagoon Cells Insp/ Service (1y) - 1541	CLOSE	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 lining is all ok, air leak in header line top cell far corner. scheduling underway to drain an fix the leak
3413837	0000328858	TANK STORAGE HOT WATER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Hot Water Insp. (1y) - 1541	CLOSE	6/1/23 12:00 AM	8/3/23 03:28 PM	8/3/23 03:28 PM	
3417644			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	CLOSE	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, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	CLOSE	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

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3433758	0000328842	GENERATOR ELECTRIC DIESEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	CLOSE	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 ELECTRIC DIESEL	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	CLOSE	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
3433889			1541, Mattawa Wastewater System	CAP	Refurbish/ Replace/Repair	0		601 McKenzie SPS Pump Repair	CLOSE		6/15/23 11:05 AM	6/28/23 03:55 PM	Pump Repair - Pump at 601 McKenzie tripping 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# 3102.181-0820243. 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
3433940	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	CLOSE	6/16/23 12:00 AM	8/3/23 03:33 PM	8/3/23 03:33 PM	Tank Alum Inspection (1m) - 1541 - Checked alum tank for any leaks or issues, none found
3436188			1541, Mattawa Wastewater System	PM	Predictive Maintenance	0		Electrical Boxes and Parts For Sewage pumps @ 601 Mckenzie	CLOSE		8/16/23 01:45 PM	8/16/23 01:45 PM	- New water tight electrical junction boxes, old are not sealing anymore and screws missing

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3461296			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	CLOSE	7/1/23 12:00 AM	10/13/23 08:08 AM	10/13/23 08:08 AM	
3461303			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	CLOSE	7/1/23 12:00 AM	10/13/23 08:09 AM	10/13/23 08:09 AM	Health And Safety Inspection (1m) 1541 - All walking areas clear of debris, checked areas around buildings where snow piles, all clear
3465376			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	CLOSE	7/1/23 12:00 AM	10/13/23 08:21 AM	10/13/23 08:21 AM	Pump Submersible Group Inspection (1m) 1541 - Pump checked for operation weekly, all OK
3479080			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		High level at McKenzie street lift station	CLOSE		7/2/23 01:47 AM	7/5/23 12:26 PM	High level at McKenzie lift station -Received high level alarm at McKenzie lift station at 0147, arrived on site at 0315. Reset pump and pumped down wet well. No issues.

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3479467			1541, Mattawa Wastewater System	EMER	Refurbish/ Replace/Repair	0		McKenzie SPS: Emergency Pump Troubleshooting and Installation	CLOSE		7/4/23 09:56 AM	7/4/23 09:56 AM	<p>McKenzie SPS: Emergency Pump Troubleshooting and Installation - Called by Monique M at 0812 for pump fault at Mckenzie. pump wont reset. other pump out for repairs. picked up confined space trailer in callander. met Josh D onsite. installed new/rebuilt pump runs/ pumps good. pulled other pump and cleaned impellar. appears to be ok now. TF July2/23</p> <p>McKenzie SPS: Emergency Pump Troubleshooting and Installation - Received alarm at 0750 for high level alarm at McKenzie street lift station. Called Tim for assistance to pull pump. Josh D came onto site with rebuilt pump. Installed rebuilt pump and pulled pump #2 and unclogged pump.</p> <p>McKenzie SPS: Emergency Pump Troubleshooting and Installation - Called by monique for multiple issues at 601 Mckenzie. Plugged pump multiple times. Met monique and tim onsite. Installed rebuilt pump. Installed new junction box. Verified pump was running OK. Pulled pump 2 cleaned out volute and impellor,. All seems OK JD</p>
3482028	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	CLOSE	7/16/23 12:00 AM	10/13/23 08:11 AM	10/13/23 08:11 AM	Tank Alum Inspection (1m) - 1541 - Alum tank inspected weekly, no issues found
3483455			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		Burglary alarm at 451 bissette street	CLOSE		7/24/23 08:50 PM	7/25/23 12:53 PM	Burglary alarm at 451 Bissette -Received burglary alarm at lift station. Arrived on site, fence and building secured. Cleaned off the contacts on the door and seemed ok.
3506870			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	CLOSE	8/1/23 12:00 AM	10/13/23 08:17 AM	10/13/23 08:17 AM	
3506877			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	CLOSE	8/1/23 12:00 AM	10/13/23 08:17 AM	10/13/23 08:17 AM	

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3510314			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	CLOSE	8/1/23 12:00 AM	10/13/23 08:19 AM	10/13/23 08:19 AM	Pump Submersible Group Inspection (1m) 1541 - All pumps, wetwells, panels checked weekly, All ingood operation, no issues at this time
3525348	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	CLOSE	8/16/23 12:00 AM	10/13/23 08:20 AM	10/13/23 08:20 AM	Tank Alum Inspection (1m) - 1541 - Inspected Alum tank, No leaks, no signs of damage, all ok
3526575			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	0		Replacement bulbs and sleeves for WWTP uv lights	CLOSE		8/30/23 02:11 PM	8/30/23 02:11 PM	New bulbs and sleeves for WWTP uv lights -Parts to be ordered from Trojan tech. Quote # QO0007467. 5 UV Lamp Kits: Parts List - Five (5) LAMP P, SLV KIT 64" PTP/3B 4PK EACH KIT INCLUDES: 1 X 302418-004 LAMPS 1 X 302208-004 SLEEVES 4 X 302300 O-RING, SLEEVE 4 X 302314 O-RING, SLEEVE 4 X 700105 COMPRESSION SPR
3552657			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	9/1/23 12:00 AM	11/15/23 12:03 PM	11/15/23 12:03 PM	
3552664			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	3	YEARS	Panel Control / Breaker Route Insp/ Service (3y) 1541	COMP	9/1/23 12:00 AM	1/15/24 09:28 AM	1/15/24 09:28 AM	Panel Control / Breaker Route Insp/ Service (3y) 1541 - Visually inspected all panels, lighting, heaters, and transformers. No major issues found at this time. 601 Mckenzie heater is working but only keeps the building just above freezing temps.
3552668			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	9/1/23 12:00 AM	10/20/23 11:29 AM	10/20/23 11:29 AM	
3556759			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	9/1/23 12:00 AM	11/15/23 12:03 PM	11/15/23 12:03 PM	Pump Submersible Group Inspection (1m) 1541 - All pumps, stations, wetwells, Panels, checked weekly, no issues at this time.

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				Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3570849	0000328874	GENERATOR ELECTRIC DIESEL BACKUP POWER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	9/3/23 12:00 AM	11/15/23 12:05 PM	11/15/23 12:05 PM	Generator Monthly Test (1m) 1541 - Checked generators all ok
3570852	0000328842	GENERATOR ELECTRIC DIESEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	9/3/23 12:00 AM	11/15/23 12:05 PM	11/15/23 12:05 PM	Generator Monthly Test (1m) 1541 - Monthly generator test OK
3570855	0000328901	GENERATOR ELECTRIC DIESEL	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	9/3/23 12:00 AM	11/15/23 12:06 PM	11/15/23 12:06 PM	Generator Monthly Test (1m) 1541 - Monthly generator test OK
3573634	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	9/16/23 12:00 AM	10/20/23 11:30 AM	10/20/23 11:30 AM	
3574649			1541, Mattawa Wastewater System	CAP	Predictive Maintenance	0		Mattawa Sewage Pump Stations: Wet Well Cleaning	CLOSE		9/29/23 11:18 AM	9/29/23 11:18 AM	Mattawa Sewage Pump Stations: Wet Well Cleaning - Cleaned all lift stations and lagoon inlet chamber Sep 26, 2023
3575480			1541, Mattawa Wastewater System	CALL	Inspection	0		Intruder alarm 451 Bissett St	CLOSE		9/25/23 09:45 PM	9/25/23 11:30 PM	Intruder alarm 451 Bissett St - Received intrusion alarm for 451 Bissett St. Arrived on site, door was locked and alarm still active. Cleared alarm but could not reenable when leaving. Suspect faulty door magnet sensors. Locked facility and left without arming.
3601715	0000328854	UV LIGHT REACTOR SYSTEM	1541, Mattawa Wastewater System	PM	Inspection	6	MONTHS	UV Reactor service Fall (6m) 1541	COMP	10/1/23 12:00 AM	1/15/24 09:30 AM	1/15/24 09:30 AM	UV Reactor service Fall (6m) 1541 - Fall service was completed, cleaned lights and chamber all ok
3601722	0000328854	UV LIGHT REACTOR SYSTEM	1541, Mattawa Wastewater System	PM	Inspection	6	MONTHS	UV Reactor service Spring (6m) 1541	COMP	10/1/23 12:00 AM	1/15/24 09:30 AM	1/15/24 09:30 AM	
3601886	0000328878	BLOWER CENTRIFUGAL B01 AERATION	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Blower Centrifugal Inspection/ Service (1y) 1541	COMP	10/1/23 12:00 AM	1/15/24 09:39 AM	1/15/24 09:39 AM	
3601899	0000328879	BLOWER CENTRIFUGAL B02 AERATION	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Blower Centrifugal Inspection/ Service (1y) 1541	COMP	10/1/23 12:00 AM	1/15/24 09:40 AM	1/15/24 09:40 AM	Blower Centrifugal Inspection/ Service (1y) 1541 - Visually inspected blower, Oil is still clean and full, changed air filter. All OK

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3601912			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	HVAC, Fans, Dehumidifiers, Heaters ,Louvres Route (1y) 1541	COMP	10/1/23 12:00 AM	1/15/24 09:41 AM	1/15/24 09:41 AM	HVAC, Fans, Dehumidifiers, Heaters ,Louvres Route (1y) 1541 - Visual inspection of all hvac, 601 mckenzie heater is sluggish at heating up the building. All else OK
3601934			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	10/1/23 12:00 AM	1/9/24 12:05 PM	1/9/24 12:05 PM	
3601941			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	10/1/23 12:00 AM	10/20/23 11:32 AM	10/20/23 11:32 AM	
3605891			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	10/1/23 12:00 AM	1/9/24 01:26 PM	1/9/24 01:26 PM	
3623093	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	10/16/23 12:00 AM	10/20/23 11:33 AM	10/20/23 11:33 AM	
3623909			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		1541- Heat/Fire Alarm @ 451 Bissett	COMP		10/18/23 06:15 PM	10/23/23 08:00 AM	1541- Heat/Fire Alarm @ 451 Bissett - On-site for fire alarm, heat alarm, high level, overflow alarm, p1 alarm. Talked to curtis and multiple high priority alarms at 451 bissett. On-site at 1830, found no issues, no alarms in memory, pumps, and overflow all ok. No signs of high level. Unknown issue. Chatted with Curtis, may be mouse chewed wire issues.

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3625361			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		Main st flood Mattawa 1541	COMP		10/26/23 09:15 PM	10/30/23 10:55 AM	Main st flood Mattawa 1541 - Called by after hours center for flood on main st. Called operator on call said the call dropped. discussed calling public works but was advised they didnt want us calling them. Called Barry J. said he was just out checking roads and was aware of it and calling crew in. Called complainant back to let them know public works was aware and if any other questions to call back. TF Oct 26/23
3646945			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	11/1/23 12:00 AM	1/9/24 12:06 PM	1/9/24 12:06 PM	
3646952			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	11/1/23 12:00 AM	1/9/24 01:28 PM	1/9/24 01:28 PM	
3650161			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	11/1/23 12:00 AM	1/9/24 01:30 PM	1/9/24 01:30 PM	
3661762	0000328841	SWITCH DISCONNECT MAIN POWER 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	3	YEARS	Switch Disconnect (3y) Inspection 601 Mckenzie St. - 1541	COMP	11/2/23 12:00 AM	1/15/24 09:52 AM	1/15/24 09:52 AM	Switch Disconnect (3y) Inspection 601 Mckenzie St. - 1541 - Visual inspection completed, all OK
3662361			Mattawa WWT	CALL	Refurbish/ Replace/Repair	0		Power outage Mattawa sewage	COMP		11/5/23 11:45 AM	11/5/23 01:50 PM	Mattawa WWT power failure -Received power failure at 7 am, checked hydro one website for restoration time. Arrived on site at 1250 and power was restored. Checked Louis, Brooks, Mattawan street lift stations all pumped down. No issues.
3662669			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		200 Brooke st low panel battery Mattawa 1541	COMP		11/5/23 12:45 PM	11/6/23 12:01 PM	200 Brooke st low panel battery Mattawa 1541 - recieved a low panel battery alarm from telus at 1247. messaged Josh and Monique to see who was on call. Monique answered discussed problem and remedies. TF Nov 5/23

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3662671			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		low battery panel alarm 200 brooke st Mattawa	COMP		11/5/23 12:45 PM	11/5/23 01:15 PM	low battery panel alarm 200 brooke st Mattawa - called by telus alarm at 1247 for low battery on panel 200 Brook st Mattawa. messaged Josh and Monique to see who was on call Monique answered. discussed problem and possible remedies to problem. TF Nov5/23
3664306			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 1541	COMP	11/13/23 12:00 AM	1/9/24 01:31 PM	1/9/24 01:31 PM	
3664608			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		451 Bissette pump #1 fault	COMP		11/11/23 09:45 AM	11/11/23 12:45 PM	451 Bissette pump #1 fault - Received call for P#1 failure. Arrived on site to find pump breaker tripped. Reset and tested pump. Ran fine, placed back in AUTO
3664746	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	11/16/23 12:00 AM	1/9/24 01:32 PM	1/9/24 01:32 PM	
3688386	0000328859	ANALYZER GAS BUMP TEST	1541, Mattawa Wastewater System	PM	Calibration	6	MONTHS	Analyzer Gas C02 (6m) 1541	COMP	12/1/23 12:00 AM	1/15/24 09:44 AM	1/15/24 09:44 AM	Analyzer Gas C02 (6m) 1541 - Gas monitor is checked at time of each use, bump test and calibration on fail.
3688397			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	12/1/23 12:00 AM	1/9/24 01:35 PM	1/9/24 01:35 PM	
3688404			1541, Mattawa Wastewater System	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	12/1/23 12:00 AM	1/9/24 01:37 PM	1/9/24 01:37 PM	
3688426	0000328828	UPS BATTERY BACKUP 451 BISSETT ST.	1541, Mattawa Wastewater System	PM	Inspection	1	YEARS	Ups Battery Bank Insp/Service (1y) 1541	COMP	12/1/23 12:00 AM	1/15/24 09:50 AM	1/15/24 09:50 AM	
3691583			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	12/1/23 12:00 AM	1/9/24 01:39 PM	1/9/24 01:39 PM	

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3702956			1541, Mattawa Wastewater System	CAP	Compliance	0		Alum Order For Lagoon-1541	COMP		12/1/23 01:10 PM	1/4/24 09:24 AM	Alum Order Details - KEMIRA ALS BULK 24,970.000 KG 463.0000 Net weight: 24,970.000 KG 55,049.472 LB Gross weight: 24,970.000 KG 55,049.472 LB Delivery no / Date:86056912 / 12/06/2023 UN3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Aluminium sulphate), 8, PGIII, RQ Country of Origin: CA 24,970.000 KG
3705101			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		High level 1101 Bissett-1541	COMP		12/9/23 04:45 PM	12/11/23 07:26 AM	High level 1101 Bissett-1541 - called for high level alarm at 1101 Bissett st. Arrived and found p2 running but level not dropping and p1 to be tripped. Reset p1 and started pumping down, tripped the pump again. did this multiple times to get the wetwell down. P2 is not seated properly and is not pushing out. Switched leads on p1 to run in reverse and clean it out. Switched back the leads and the pump seems to be running ok.
3705699	0000328874	GENERATOR ELECTRIC DIESEL BACKUP POWER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	12/15/23 12:00 AM	1/15/24 09:50 AM	1/15/24 09:50 AM	Generator Monthly Test (1m) 1541 - Generator ran during power outage, no issues while operating normally
3705702	0000328842	GENERATOR ELECTRIC DIESEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	12/15/23 12:00 AM	1/15/24 09:51 AM	1/15/24 09:51 AM	Generator Monthly Test (1m) 1541 - Generator ran during power outage, no issues while operating normally
3705705	0000328901	GENERATOR ELECTRIC DIESEL	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	12/15/23 12:00 AM	1/15/24 09:51 AM	1/15/24 09:51 AM	Generator Monthly Test (1m) 1541 - Generator ran during power outage, no issues while operating normally
3705788	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	12/16/23 12:00 AM	1/9/24 01:40 PM	1/9/24 01:40 PM	

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3706622			1541, Mattawa Wastewater System	CAP	Refurbish/ Replace/Repair	0		Mattawa Lagoon Blower Motor Replacement	COMP		12/22/23 08:35 AM	12/22/23 08:35 AM	Replacement Blower Motor -TechTop GRC0304F Electric Motor 30HP, 1755RPM, 575V, 27.92A, 60HZ, 3PH, Frame 286T, TEFC.
3707302			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		451 Bissette pump #1 fault	COMP		12/18/23 09:30 PM	12/18/23 11:45 PM	451 Bissette pump #1 fault - Received call for pump failure. Arrived on site to find P1 in thermal fault. Reset alarm and tested. Ran OK