



Ontario Clean Water Agency **Agence Ontarienne Des Eaux**

Powassan Lagoons

Annual Operating Report

January 1, 2023 to December 31, 2023

Prepared by
Ontario Clean Water Agency
February 2, 2024

ECA Annual Report Requirements #7092-9XLLAN

ECA Requirement	Section in Report
11.5 a. a summary and interpretation of all monitoring data and a comparison to the effluent limits outlined in Condition 7, including an overview of the success and adequacy of the Works;	a), b), c), i), f)
11.5 b. a description of any operating problems encountered and corrective actions taken;	b), c), i)
11.5 c. a summary of all maintenance carried out on any major structure, equipment, and apparatus, mechanism or thing forming part of the Works;	c)
11.5 d. a summary of any effluent quality assurance or control measures undertaken during the reporting period;	d)
11.5 e. a summary of the calibration and maintenance carried out on all effluent monitoring equipment;	e)
11.5 f. a description of efforts made and results achieved in meeting the Effluent Objectives of Condition 6;	a), f)
6. 3 The Owner shall include in all reports submitted in accordance with Condition 11 a summary of the efforts made and results achieved under this Condition;	a), f)
11.5 g. a tabulation of the volume of sludge generated in the reporting period and an outline of anticipated volumes to be generated in the next reporting period and a summary of the locations to where the sludge was disposed;	g)
11.5 h. a summary of any complaints received during the reporting period and any steps taken to address the complaints;	h)
11.5 i. a summary of all By-pass, Overflow, Spill or abnormal discharge events;	i)
11.5 j. a copy of all Notice of Modifications submitted to the Water Supervisor as a result of Schedule B, Section 1, with a status report on the implementation of each modification;	j)
11.5 k. a report summarizing all modifications completed as a result of Schedule B, Section 3;	k)
11.5 l. any other information the Water Supervisor requires from time to time;	l)
m. Additional Information.	m)

The Ontario Clean Water Agency (OCWA) acts as the operating authority for the Powassan wastewater treatment system under contract with the Municipality of Powassan. The enclosed 2023 Report for the above-referenced facility summarizes the performance and related activities in accordance with Environmental Compliance Approval (ECA) #7092-9XLLAN; Section 11(5). Environmental Compliance Approval was issued June 24, 2015.

a.) A summary and interpretation of all monitoring data and a comparison to the effluent limits outlined in Condition 7, including an overview of the success and adequacy of the Works;

In 2023, there were four (4) lagoon cells released.

The spring controlled seasonal release of the lagoons was completed after the liquid surface in the lagoon had become substantially free of ice cover, terminating within sixty (60) days thereafter, as specified in the ECA. The total volume of lagoon discharge over the spring seasonal release period was 136,597 cubic meters (m³). The total number of discharge days was 31 days beginning May 10 and ending June 9. Lagoons became ice free on April 14. In an effort to meet the effluent limits and objectives, both the South Cell #1 and North Cell #2 lagoons were treated with ferric sulphate prior to discharge.

The fall controlled seasonal release of the lagoons was completed between the dates of Oct. 15 and Nov. 30, as specified in the ECA. The total volume of lagoon discharge over the fall release period was 86,578 m³. The total number of discharge days was 37 days beginning Oct. 16 and ending Nov. 21. In an effort to meet the effluent limits and objectives, both the North Cell #2 and Old Cell #3 lagoon were treated with ferric sulphate prior to discharge.

The total controlled release from the lagoons for the year 2023 was 223,175 m³.

Monitoring Program as per above-referenced ECA:

Source (Composite)	Parameter	Frequency	Method
Influent	Flow (m ³)	Daily	Meter
Raw	BOD ₅ , TSS, TP, TKN	Quarterly	External (Lab)
Lagoon Cell Content (at least 7 days prior to discharge.)	cBOD ₅ , TSS, TP, pH	Once	External (Lab)
Effluent – During Discharge	Flow (m ³)	Daily	Calculated
	cBOD ₅ , TSS, TP, TAN, unionized ammonia, Temp., pH	5 times per seasonal discharge	External (Lab) Field pH and Temperature

An OCWA operator collects a grab sample of raw sewage on a monthly basis and sends it to an accredited laboratory for analysis. Results are forwarded to OCWA and entered into the process database.

The lagoon cell contents are sampled and analyzed for compliance parameters prior to release. Results are utilized to dictate whether or not the lagoon cell contents meet the prescribed effluent quality requirements specified in the ECA. They are also used to indicate the need for batch chemical dosage prior to discharge and to achieve the necessary reductions in phosphorus concentrations. The ECA requires the minimum sampling consisting of collection and analysis of 5 samples per seasonal discharge. Which means that one sample must be taken at the start of discharge, at 25%, 50% and 75% drawdown, also at the end of the discharge. The practice is to collect and analyze lagoon effluent at each foot of lagoon drawdown during the period of release.

The total discharge from each cell is estimated and recorded by an established engineering technique based on the lagoon dimensions and drawdown.

The ponds are to be operated to provide two controlled discharges: spring (after the liquid surface in the lagoon had become substantially free of ice cover, terminating within sixty (60) days thereafter) and fall (not earlier than October 15 and not later than November 30).

Based on the above monitoring program, the sewage works provided successful and adequate treatment. All limits and objectives met; thus showing adequate and successful treatment. See table below and sections that follow for further information on the success and adequacy of the works.

Furthermore, there were fall discharge TSS exceedances in 2021 and 2022, but in 2023 the limit was successfully met. Lagoons were operated, sampled and monitored as per normal; however, more Ferric Sulphate was used to treat the affected North Cell lagoons during the Fall 2023 season. During the 2023 season, no measurement of the sludge depth (see section g.); however, the TSS results for the North and South Cells do appear to be getting better as the dredging has taken place a number of years ago. During the 2023 fall season, the content results were very good for the Old Cell so less Ferric Sulphate was used due to the content sample results. However, noticed higher TSS in Old Cell Effluent during discharge so more Ferric Sulphate will be used next year in the Old Cell. Also, the influent/raw TSS and TP concentrations were a bit lower in 2023 than 2022.

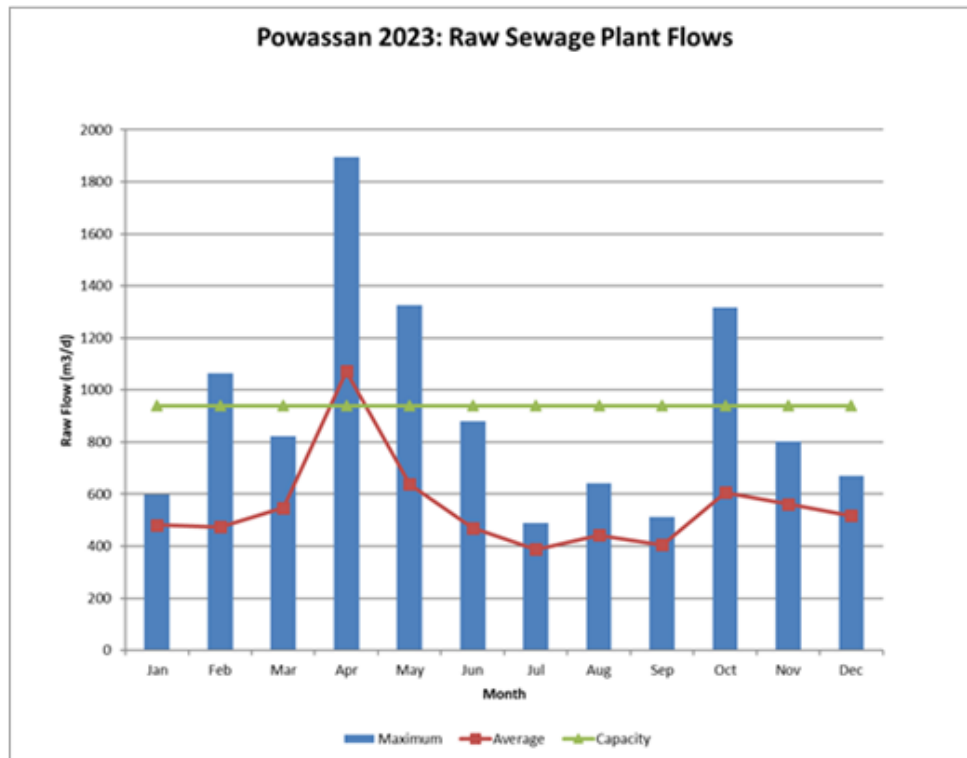
2023 Influent/Effluent Quality Data:

Source	Parameter	Spring Average		Fall Average	Compliance	Objectives
Effluent	cBOD ₅ (mg/L)	10.30		4.5	25.0 mg/L	20 mg/L
	TSS (mg/L)	16.30		18.70	25.0 mg/L	20 mg/L
	T. Phos (mg/L)	0.34		0.34	1.0 mg/L	0.8 mg/L
	Field pH Max	8.19		7.16	9.5	9.0
	Field pH Min	6.83		6.70	6.0	6.5
	Field Temperature (°C)	18.6		7.4	-	-
	Total Ammonia-N (mg/L)	8.8		2.4	-	-
	Unionized Ammonia (mg/L)	0.102		0.003	-	-
	<i>E.coli</i> (CFU/100 mL)	7.4 (GEO MEAN)		9.4 (GEO MEAN)	-	-
		Average	Minimum	Maximum		
Influent/Raw	BOD ₅ (mg/L)	209.58	81	408		
	TSS (mg/L)	156.5	74	226		
	T.Phos (mg/L)	3.12	1.18	5.08		
	TKN (mg/L)	24.78	9.8	45.1		

Non-compliance with respect to the effluent concentration is deemed to have occurred when the seasonal average concentration of a minimum of five (5) samples per discharging cell taken during the discharge period exceeds the corresponding concentration set out above.

2023 Monthly Raw Influent

Month	Monthly Total Flow (m ³)	Average Daily Flow (m ³ /d)	Peak Daily Flow (m ³ /d)
January	14905.5	480.82	599.4
February	13274.1	474.08	1065.3
March	16957.8	547.03	823
April	32156.2	1071.87	1896.1
May	19780.1	638.07	1326.5
June	14068.5	468.95	878.9
July	12012.18	387.49	488.7
August	13729.2	442.88	640.8
September	12137.98	404.6	511.3
October	18782.6	605.89	1318
November	16866	562.2	801.2
December	16050.1	517.75	670.9
Average		549.92	
Maximum			1896.1
TOTAL	200720.3		



The Raw Sewage from both the Clark Street and St. Gregory School sewage lift stations (SLS) are pumped independently directly to the lagoons and the flow is monitored by Mag flow meters at each station. The operator takes readings daily and total flows are calculated and recorded on a daily log sheet and later transferred to OCWA's database. The total discharge from each cell (effluent) is estimated and recorded by an established engineering technique based on the lagoon dimensions and drawdown.

The maximum daily influent/raw flow of (1896.1 m³/d) occurred in April 2023 and was approximately 202% of the average day rated influent capacity.

The annual average daily flow for 2023 (549.92 m³/d) was approximately 58.5% of the rated day capacity (940 m³/d). This shows the adequacy of the works as the system is well below the rated capacity; showing that the treatment amount is adequate.

Refer to *Appendix B* for raw (influent) sample data.

Table for Annual Flow Comparison & Trending of Annual Flows

Year	Total Raw Sewage Flow m³/d	Avg Day Sewage Flow m³/d	Max Day Sewage Flow m³/d	Avg Day % of rated capacity 940 m³/d
2023	200,720	550	1896	59%
2022	180,914	496	1432	53%
2021	190,198	521	1801	55%
2020	181,033	495	1497	53%
2019	228,970	627	2406	67%
2018	204,566	560	1893	60%
2017	255,702	701	2588	75%
2016	200,750	549	2970	58%
2015	215,628	590	2,577	59%
2014	278,009	762	2,860	76%
2013	254,762	698	2,315	69.8%
2012	248,030	677	2,042	68%
2011	283,219	775	2364	77%
2010	288,195	796	1,731	80%
2009	345,437	946	2,696	95%
2008	235,728	1026	3,106	103%
2007	328,365	900	2,040	90%

*Therefore the 2023 total raw sewage flow is slightly higher from the total raw sewage flow in 2022.

b.) A description of any operating problems encountered and corrective actions taken;

Plant Bypasses and Alarms

All raw sewage flows to the lagoon are directed through the community's Clark Street and St. Gregory stations. Consequently, any bypass from these locations is defined as a "collection system" bypass under the current ECA. In the event of very high sewage levels in the station wet well, raw sewage would flow from the well, through an overflow pipe to Genessee Creek.

Establishing a sodium hypochlorite drip would normally disinfect bypasses. There are no users immediately downstream within 3.5 kilometers (km). The operator is familiar with the requirements to report all bypass incidents to the Ministry of the Environment's Spills Action Center (MOE SAC). They are further aware of the need to record the approximate volume and duration of all bypasses on the OCWA form and all relevant bypass particulars on the operation spills/bypass/leak report forms.

The pumping station wet wells are equipped with high level alarms to alert of an impending or existing raw sewage bypass condition. The alarms are connected to a red light above the station. Also, OCWA has in place a continuous monitoring and backup automated alarm system that calls

out pages to an on-call operator should a high level condition occur at either of the two lift stations.

The Powassan Lagoons operated well in 2023 with no operational problems and met all limits and objectives under condition 7 of ECA. However, there were two sewage lift station events that occurred; see section i.)

c.) A summary of all maintenance carried out on any major structure, equipment, and apparatus, mechanism or thing forming part of the Works;

Plant maintenance, including non-scheduled maintenance, is monitored using Maximo; a preventative maintenance software program. All routine and preventative maintenance was conducted as scheduled in 2023. A summary of maintenance performed is available in *Appendix D*.

d.) 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 table 2023 Influent/Effluent Quality Data on page 5: 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 for pH 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. Pre-discharge cell contents samples are collected and analyzed for effluent parameters prior to discharge. The results are used to determine the amount of Ferric Sulphate required. Ferric Sulphate is used for total phosphorus and TSS removal. The amount of Ferric Sulphate is determined using a spreadsheet that uses the content sample results and determines an appropriate amount of Ferric Sulphate. Also, more Ferric Sulphate may be added based on historical results. Finally, the total discharge from each cell (effluent) is estimated and recorded by an established engineering technique based on the lagoon dimensions and drawdown.

e.) A summary of the calibration and maintenance carried out on all effluent monitoring equipment;

St. Gregory Street SLS and Clark Street SLS flow meter inspection/verification completed in October 2023.

f.) A description of efforts made and results achieved in meeting the Effluent Objectives of Condition 6;

OCWA uses a number of best efforts to achieve the Effluent Objectives. Ferric sulphate used with seasonal batch treatment in an effort to meet all objectives and limits.

Operational staff has current and appropriate level of certification for the operation of the facility and continue to learn and achieve knowledge of the process and equipment. Staff also has a high level of regulatory competence.

The mechanical elements in the facility are regularly inspected, well maintained and kept in good repair. OCWA uses a computerized maintenance management program which generates works orders to ensure maintenance of equipment is proactively performed.

Raw wastewater and effluent samples are collected as required and analyzed by SGS Labs, an accredited laboratory. OCWA reviews these results on a regular basis to ensure compliance with ECA objective and limits.

Operations, maintenance and emergency procedures are available to ensure facilities are operated in compliance with applicable legal instruments. Facility staff has access to a network of operational compliance and support experts at the region and corporate levels.

All effluent objectives were met during the spring and fall discharge. The objective for carbonaceous biochemical oxygen demand (cBOD₅) is 20 mg/L, spring average was 10.30 mg/L and fall average was 4.5 mg/L. The objective for total suspended solids (TSS) is 20 mg/L, spring average was 16.30 mg/L and fall average was 18.70 mg/L. The objective for total phosphorus (TP) is 0.8 mg/L, spring average was 0.34 mg/L and fall average was 0.34 mg/L. To meet these objectives the lagoon cells are dosed with ferric sulphate. The objective for pH is 6.5 – 9.0 at all times. Spring discharge maximum was 8.19 and minimum was 6.83; therefore, objective met at all times. Fall discharge maximum was 7.16 and minimum was 6.70; therefore, objective met at all times.

Continuous efforts were made to meet the Effluent Objectives in 2023:

1. Development of the sampling plan which meets or exceeds the minimum sample requirements as required in the ECA.
2. Routine inspection of the lagoons for berm stability, odours, and condition of cell contents including visual inspection to ensure effluent does not contain oil or other substance in amounts sufficient to create a visible film or sheen or foam or discolouration on the surface of the receiving waters, and is essentially free of any floating material.
3. Ensuring that chemicals are being dosed as required. (With proper content sampling, monitoring and batch treatment)
4. Calibration of the pH meter before use.
5. Performing preventative maintenance activities in accordance with work order schedules.
6. Monitoring treatment processes through review of lab results.
7. Annual calibration of flow meters.
8. Monitoring sludge depth as per section g.).

Furthermore, due to the nature of the system, it always operates under normal operating conditions. Any abnormal condition that may occur would be a bypass, overflow or spill event, which already has procedures to deal with. Any abnormal condition can be found in section i).

Refer to *Appendix A - Lagoon Release Reports* for complete lagoon effluent sample data.

g.) A tabulation of the volume of sludge generated in the reporting period and an outline of anticipated volumes to be generated in the next reporting period and a summary of the locations to where the sludge was disposed;

During the 2023 operating year, no sludge was removed. Sludge has been removed on an as needed basis. North Cell #2 was dredged in 2018. South Cell #1 was dredged in 2016. OCWA has taken sludge measurements in South Cell #1 and Old Cell #3 during the fall treatment of 2019. The amount of sludge in these two cells is relatively low with an average sludge depth in Cell #1 of 1.67 inches and an average sludge depth in Cell #3 of 6 inches. The sludge depth will be measured approximately every 5 years while completing lagoon treatment. It is anticipated that the sludge volume will remain approximately the same during future years. The Municipality of Powassan may dredge Old Cell #3 in the near future, and if so, they will dispose of sludge at the nearby landfill.

h.) A summary of any complaints received during the reporting period and any steps taken to address the complaints;

There were no complaints received for the 2023 reporting period.

i.) A summary of all By-pass, Overflow, Spill or abnormal discharge events;

Type of incident: Clark St. Sewage Lift Station Bypass

SAC Ref No.: 1-34JTS9

Start Date & Time: April 5, 2023 @ 1400 hrs.

Termination: April 7, 2023 @ 0100 hrs.

Duration: 35 hours

Approximate volume: 3000 m³

Details: Heavy precipitation and warm temperatures overwhelming pumping station resulting in Bypass.

Receiver: Genesee Creek

Actions: Super-chlorinated raw sewage entering overflow header with collection of samples and monitoring.

Reporting: Verbal reports to MOE SAC and MOH, emailed to EC and MOE SAC as required, also notification made to local MECP inspector Erin Spires and owner via email.

Type of incident: Clark St. Sewage Lift Station Spill due to Mechanical Failure

SAC Ref No.: 1-4K5U1Z

Start Date & Time: December 28, 2023 @ 1645

Termination: December 28, 2023 @ 1735 hrs

Duration: 50 minutes

Approximate volume: 10 m³

Details: Generator failure to activate following power outage with delay in alarm notification resulting in station bypass/spill.

Receiver: Genesee Creek

Actions: Raw sewage super-chlorinated entering overflow header. Collection of samples not possible due to delay in notification until power restoration at which point station level immediately reduced. Primary and backup alarming evaluation with reconfiguration to ensure multiple notifications and monitoring.

Reporting: Verbal reports to MOE SAC and MOH, emailed to EC and MOE SAC as required, also notification made to local MECP inspector Erin Spires and owner via email.

Refer to *Appendix C* for bypass sample data.

j.) A copy of all Notice of Modifications submitted to the Water Supervisor as a result of Schedule B, Section 1, with a status report on the implementation of each modification;

No modifications made as a result of Schedule B, Section 1 in 2023.

k.) A report summarizing all modifications completed as a result of Schedule B, Section 3;

No modifications made as a result of Schedule B, Section 3. No normal or emergency operational modifications were performed in 2023.

l.) Any other information the Water Supervisor requires from time to time;

There was one MECP inspection on October 20, 2023. MECP inspection report noted four non-compliances. Please see items below and action plans.

NC-1 – Referred to an Environmental Incident Report form that the inspector issued a non-compliance because the form did not show the level of treatment. The sheet did show no chlorination; however, did not specifically say the level of treatment. Action plan: Update Environmental incident report form to have a section that says “Level of Treatment.” At this time, correct any other issues with fax number etc..

NC-2 – Referred to a TSS exceedance in 2022 which was reported and info can be found in previous 2022 Powassan Lagoon Annual Report. Action plan: Continue to monitor the untreated content sample results and determine the appropriate amount of Ferric Sulphate to use. Attempt to use more Ferric Sulphate when necessary in order to meet all effluent limits and objectives. In 2023, did not exceed TSS. There is very little method of control for lagoon facilities with seasonal batching in their ECAs.

NC-3 – Referred to annual reporting requirements not being consistent or met. Current annual report did contain sections a-l as per section 11.5 of ECA #7092-9XLLAN. Action plan: Create a document to place at the beginning of our annual reports. This document will have each ECA requirement in one column and the next column will have which section of the annual report satisfies this requirement. Multiple sections may be used to satisfy a requirement and this will be noted.

NC-4 – Referred to two gauges that were working intermittently on the generator at Clark St. SLS. Inspector issued a non-compliance for this. May 2022 the issue with the gauges was noted in work order #2721384. At this point, the generator technician was informed and they started to track this item in their system, while trying to source the gauges. Verbal and email communications from the generator technician confirmed the gauges were obsolete and could not be located, they continued to try and source different type of gauges that would work. Email from generator technician confirming these gauges are not essential to the operation of the generator. Action plan: Work order summary provided to inspector an email dated September 11, 2023 at 1:45 PM. In the summary you can see the readings for RPM in the work logs. The generator round sheets have all the info, including AMP meter readings since April 2023. This

shows the intermittent working gauges are working now. Thus the definition of intermittent issue. The generator technician will continue to search for alternate gauges.

The final MECP report is pending at the time of this report; however, the findings above are confirmed and the action plans have been accepted by the MECP.

m.) Additional Information.

Capital Upgrades or Major Equipment Replacement:

- Replaced emergency lighting at Clark St. SLS

Operational Highlights Include:

- Spring release: South Cell #1 and North Cell #2 Lagoons ferric sulphate treatment May 2, 2023. South Cell #1 treated with 2002 imperial gallons (IMPG) and North Cell #2 treated with 1418 IMPG.
- Annual generator service completed in September 2023.
- Fall release: North Cell #2 and Old Cell #3 Lagoon ferric sulphate treatment September 20, 2023. North Cell #2 treated with 1500 IMPG and Old Cell #3 treated with 450 IMPG.
- Clark St. SLS cleaned.

Description of the Works:

The Town of Powassan Sewage System consists of gravity sewer mains that flow to two pumping stations with submersible Flygt pumps and associated force mains and controls serving the Town of Powassan. The force mains from the lift stations discharge into a three-cell stabilization pond (lagoon) located on part of Lots 17 and 18, Concession XIII, Township of Himsworth South.

OCWA employees operate the wastewater treatment system. OCWA maintains raw sewage flow data, raw sewage monthly sample analysis data, lagoon pre-release data, and lagoon release effluent analysis data in an electronic process database.

Wastewater Collection System

Pumping Station number (No.) 1, the Clark Street SLS is located in Lot 16, Concession XII, in the Town of Powassan, approximately 103 meters (m) North of Clark Street and approximately 250 m East of Highway 11 in a field behind the Public Library. It is equipped with two submersible pumps each rated at 2,179 liters per minute (L/min) at 21 feet (ft.) total dynamic head (TDH), complete with controls, and an emergency overflow bypass to Genessee Creek; the station pumps directly to the lagoons. The standby 100 kilowatt (kW) emergency generator that provides emergency power for this station during power outages became operational early on 2010.

Pumping Station No. 2, the St. Gregory Station is located on Lot 17 approximately 20 m south of the Genessee Creek, at the North East corner of the schoolyard. It is equipped with two Flygt submersible pumps each rated at 1800 L/min (30.2 liters per second (L/s)) at 15.1 m or 50 ft. TDH, complete with controls and an emergency overflow bypass to Genessee Creek; the station

pumps directly to the lagoons. This station utilizes standby power capabilities from a 65 kW emergency diesel generating station located at the nearby Water Treatment Plant.

Waste Stabilization Ponds (Lagoons)

The Powassan Wastewater Treatment systems consist of three cell lagoons. Cell #2 South and Cell #1 North have a combined surface area of 7.2 ha & depth of 1.8 m each with a storage capacity of 140,500 m³. Cell #3, referred to as the Old Cell, is the original single cell waste stabilization pond approximately 2.83 ha & depth of 1.5 m with a storage capacity of 39,700 m³. These are complete retention lagoons that are seasonally released. The lagoon discharges are conducted in the spring and fall of the year. Pre-discharge sample analysis results are utilized to dictate the need for batch chemical treatment with ferric sulphate for phosphorus removal and TSS removal. The lagoons discharge to Genessee Creek - South River - Lake Nipissing after treatment. There are no significant downstream users within 3.5 km.

Registration of the Wastewater Works:

Municipal Location:	Town of Powassan
Org Unit:	5747
Facility(Proj) Number:	201376201
Works Number:	10000613
ECA: Sewage Works	7092-9XLLAN Issued 24 June, 2015 revokes ECA No. 1040-7U2QV6 1040-7U2QV6 Issued 12 August, 2009 revokes ECA No. 3-1429-80-006 (for install 100 kW natural gas gen set)
ECA: Air	3319-7TQQBE Issued 09 July 2009 revokes ECA No. 3-0523-83-006
Facility Classification:	WWC Level II Certificate # 1802 issued December 19, 1991 WWT Level I Certificate # 1803 issued December 19, 1991
Area(s) Serviced:	Town of Powassan
Population Serviced:	1000 approx.
Total Design Capacity:	940 m ³ /d

Best Regards,

Joshua Gravelle
Process & Compliance Technician
North Eastern Ontario Hub
705-568-7000

Appendix A

Lagoon Release Reports

RELEASE REPORT FOR THE POWASSAN LAGOONS

SPRING RELEASE YEAR 2023

UAL

ORG # 5747

TYPE OF SAMPLE	CELL	DATE COLLECTED	DATE RECEIVED	CBOD ₅ mg/L	TSS mg/L	pH	TP mg/L	Temp. Celcius	TAN mg/L	Unionized Ammonia mg/L	Ecoli CFU/100ml
CONTENT	North	20-Apr-23	21-Apr-23	22.0	43.00	7.45	0.98				
	South	20-Apr-23	21-Apr-23	34.0	53.00	7.63	0.98				
	Old										
TREATED	North	04-May-23	05-May-23	9.0	39.00	7.57	0.23				
	South	11-May-23	12-May-23	4.0	18.00	8.05	0.23				
	Old										

		DATE	DATE	CBOD ₅	TSS	Field pH	TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
CELL South	1st Sample	24-May-23	25-May-23	14.00	15.00	7.44	0.17	15.5	6.3	0.049	20
DRAWDOWN	2nd Sample	28-May-23	30-May-23	22.00	17.00	8.00	0.15	20.3	4.5	0.175	2
	3rd Sample	01-Jun-23	03-Jun-23	6.00	7.00	6.83	0.26	23.3	5.1	0.017	2
	4th Sample	05-Jun-23	06-Jun-23	7.00	18.00	7.01	0.91	23.1	9.5	0.048	2
	5th Sample	09-Jun-23	10-Jun-23	12.00	15.00	7.28	0.80	19.0	14.9	0.103	20
	6th Sample										

		DATE	DATE	CBOD ₅	TSS	Field pH	TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
CELL North	1st Sample	10-May-23	11-May-23	6.00	21.00	7.72	0.12	15.5	7.90	0.116	8
DRAWDOWN	2nd Sample	14-May-23	16-May-23	12.00	12.00	8.19	0.09	18.6	7.80	0.409	20
	3rd Sample	18-May-23	19-May-23	8.00	13.00	7.09	0.10	15.9	8.60	0.031	4
	4th Sample	22-May-23	23-May-23	4.00	14.00	6.92	0.17	18.8	9.90	0.03	2
	5th Sample	24-May-23	25-May-23	12.00	31.00	7.03	0.63	15.8	13.10	0.041	120
	6th Sample										

		DATE	DATE	CBOD ₅	TSS	Field pH	TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
CELL Old	1st Sample										
DRAWDOWN	2nd Sample										
	3rd Sample										
	4th Sample										
	5th Sample										
	6th Sample										

South Cell#1 AVG CONC OVER DISCHARGE PERIOD
 North Cell #2 AVG CONC OVER DISCHARGE PERIOD
 Old Cell #3 AVG CONC OVER DISCHARGE PERIOD
 Seasonal Avg Conc OVER Spring DISCHARGE PERIOD
 Seasonal Concentration Limits per Powassan Lagoon C of A

CBOD ₅	TSS	Field pH	Field pH	TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
12.2	14.4	6.8	8.0	0.5	20.2	8.1	0.08	5.0
8.4	18.20	6.92	8.19	0.2	16.9	9.46	0.13	11
#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!
10.3	16.30	6.83	8.19	0.34	18.6	8.8	0.102	7.4
25.0	25.0	6.00	9.50	1.00				
		min	max					

NOTES/COMMENTS

Averages calculated following WSER protocol.

3 Cell seasonal discharge lagoon. Treated with ferric sulfate prior to release when Total Phosphorus reduction is required.

Cell #1 = South Cell = 3.60 HA x 1.8 m depth = 70,250 m³

Cell #2 = North Cell = 3.60 HA x 1.8 m depth = 70,250 m³

Cell #3 = Old Cell = 2.83 HA x 1.5 m depth = 39,700 m³

Spring Release: Discharge commencing after the liquid surface in the lagoon has become substantially free of ice cover, terminating within sixty (60) days thereafter

The Effluent pH is to be maintained between 6.0 to 9.5 at all times to meet compliance

Compliance is on Seasonal Average Concentrations of CBOD5, Total Phosphorus and Suspended Solids

A minimum of five samples are required during each discharge period from each discharging cell

WSER requirements: TSS is to be tested at least 1 time per discharge (or bi-weekly if discharge >30 days)

WSER requirements: CBOD5 is to be tested at least 1 time per discharge (or bi-weekly if discharge >30 days)

WSER Effluent limits: CBOD5 and TSS = Annual average of 25 mg/L

DATE RELEASE STARTED:	CELL#1 South	24-May-23	AMOUNT OF CHEMICAL USED	2002 IMPG
DATE RELEASE STOPPED:		09-Jun-23	DISCHARGE VOLUME	66,347
# of Discharge Days		17		treated on May 9, 2023
Approximate Daily Flow (m ³ /d)		3902.76		
DATE RELEASE STARTED:	CELL#2 North	10-May-23	AMOUNT OF CHEMICAL USED	1418 IMPG
DATE RELEASE STOPPED:		24-May-23	DISCHARGE VOLUME	70,250
# of Discharge Days		15		treated on May 2, 2023
Approximate Daily Flow (m ³ /d)		4683.33		
DATE RELEASE STARTED:	CELL #3 Old		AMOUNT OF CHEMICAL USED	
DATE RELEASE STOPPED:			DISCHARGE VOLUME	
# of Discharge Days				
Approximate Daily Flow (m ³ /d)				
Tot.# of Spring discharge days		31	* the lagoons became ice free on :	14-Apr-23
TOTAL LAGOON EFFLUENT VOLUME DISCHARGE (m ³) :		136,597		60 days after: 12-Jun-23

RELEASE REPORT FOR THE POWASSAN LAGOONS

ORG # 5747

FALL RELEASE YEAR 2023

UAL - Late Delivery of samples

TYPE OF SAMPLE	CELL	DATE COLLECTED	DATE RECEIVED	CBOD ₅ mg/L	TSS mg/L	pH	TP mg/L	Temp. Celcius	TAN mg/L	Unionized Ammonia mg/L	Ecoli CFU/100ml
CONTENT	North	06-Sep-23	07-Sep-23	5.0	18.00	8.35	1.04				
	South										
	Old	06-Sep-23	07-Sep-23	4.0	6.00	7.76	0.57				
TREATED	North	04-Oct-23	05-Oct-23	7.0	17.00	7.65	0.12				
	South										
	Old	04-Oct-23	05-Oct-23	4.0	6.00	7.53	0.10				

		DATE	DATE	CBOD ₅	TSS	Field pH	TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
CELL South	1st Sample										
DRAWDOWN	2nd Sample										
	3rd Sample										
	4th Sample										
	5th Sample										
	6th Sample										

		DATE	DATE	CBOD ₅	TSS	Field pH	TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
CELL North	1st Sample	01-Nov-23	02-Nov-23	4.00	8.00	7.16	0.14	6.4	3.40	0.007	4
DRAWDOWN	2nd Sample	06-Nov-23	07-Nov-23	4.00	5.00	6.85	0.13	6.5	3.80	0.004	8
	3rd Sample	10-Nov-23	11-Nov-23	4.00	5.00	6.90	0.14	5.8	3.80	0.004	4
	4th Sample	15-Nov-23	16-Nov-23	4.00	18.00	7.11	0.18	5.8	4.00	0.007	14
	5th Sample	17-Nov-23	18-Nov-23	4.00	11.00	6.92	0.19	6.5	4.00	0.005	14
	6th Sample	21-Nov-23	22-Nov-23	4.00	9.00	6.95	0.18	2.2	5.80	0.005	20

		DATE	DATE	CBOD ₅	TSS	Field pH	TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
CELL Old	1st Sample	16-Oct-23	17-Oct-23	5.0	15.00	7.01	0.37	11.00	0.10	0.001	18.00
DRAWDOWN	2nd Sample	19-Oct-23	20-Oct-23	4.0	12.00	7.05	0.31	11.60	0.10	0.001	4.00
	3rd Sample	23-Oct-23	24-Oct-23	6.0	50.00	7.05	0.70	10.20	0.10	0.001	8.00
	4th Sample	29-Oct-23	31-Oct-23	4.0	36.00	6.70	0.77	9.10	0.40	0.001	14.00
	5th Sample	1-Nov-23	2-Nov-23	6.0	37.00	6.91	0.64	6.10	0.90	0.001	12.00
	6th Sample										

South Cell#1 AVG CONC OVER DISCHARGE PERIOD
 North Cell #2 AVG CONC OVER DISCHARGE PERIOD
 Old Cell #3 AVG CONC OVER DISCHARGE PERIOD
 Seasonal Avg Conc OVER Fall DISCHARGE PERIOD
 Seasonal Concentration Limits per Powassan Lagoon C of A

CBOD ₅	TSS	Field pH	Field pH	TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!
4.0	9.33	6.85	7.16	0.2	5.5	4.13	0.01	9
5.0	30.000	6.70	7.05	0.56	9.60	0.32	0.00	9.9345078
4.5	18.7	6.70	7.16	0.34	7.4	2.4	0.003	9.4
25.0	25.0	6.0	9.5	1.00				

min

max

NOTES/COMMENTS

Averages calculated following WSER protocol.

3 Cell seasonal discharge lagoon. Treated with ferric sulfate prior to release when Total Phosphorus reduction is required.

South Cell = 3.60 HA x 1.8 m depth = 70,250 m³

North Cell = 3.60 HA x 1.8 m depth = 70,250 m³

Old Cell = 2.83 HA x 1.5 m depth = 39,700 m³

Fall Release: Not earlier than Oct. 15, not later than Nov. 30.

The Effluent pH is to be maintained between 6.0 to 9.5 at all times to meet compliance, must be taken in Field with Field Temperature

Compliance is on Seasonal Average Concentrations of CBOD5, Total Phosphorus and Total Suspended Solids

A minimum of five samples are required during each discharge period from each discharging cell

WSER requirements: TSS is to be tested at least 1 time per discharge (or bi-weekly if discharge >30 days)

WSER requirements: CBOD5 is to be tested at least 1 time per discharge (or bi-weekly if discharge >30 days)

WSER Effluent limits: CBOD5 and TSS = Annual average of 25 mg/L

DATE RELEASE STARTED:

CELL South

DATE RELEASE STOPPED:

of Discharge Days

Approximate Daily Flow (m³/d)

AMOUNT OF CHEMICAL USED (imp. gal.)

DISCHARGE VOLUME (m³)

DATE RELEASE STARTED:

CELL North

01-Nov-23
21-Nov-23
20
2927.10

DATE RELEASE STOPPED:

of Discharge Days

Approximate Daily Flow (m³/d)

AMOUNT OF CHEMICAL USED (imp. gal.)

DISCHARGE VOLUME (m³)

1500
58,542

DATE RELEASE STARTED:

CELL Old

16-Oct-23
01-Nov-23
17
1649.16

DATE RELEASE STOPPED:

of Discharge Days

Approximate Daily Flow (m³/d)

AMOUNT OF CHEMICAL USED (imp. gal.)

DISCHARGE VOLUME (m³)

450
28,036

treated on 20-Sep-23

Tot.# of Fall discharge days

37

TOTAL LAGOON EFFLUENT VOLUME DISCHARGE (m³) :

86,578

Appendix B

Raw (Influent) Sample Data

**Powassan Wastewater Treatment Lagoon
Raw (Influent) Sample Data**

Report extracted 01/19/2024 10:29

From: 01/01/2023 to 31/12/2023

Facility Org Number: 5747
Facility Works Number: 110000613
Facility Name: POWASSAN WASTEWATER TREATMENT LAGOON
Municipality: The Corporation of the Municipality of Powassan
Facility Owner:
Facility Classification: Class 1 Wastewater Treatment
Receiver: Genesee Break to South River to South Bay of Lake Nipissing
Total Design Capacity: 940.0 m3/day

	01/2023	02/2023	03/2023	04/2023	05/2023	06/2023	07/2023	08/2023	09/2023	10/2023	11/2023	12/2023	Total	Avg	Max	Min
Raw / Biochemical Oxygen Demand: BOD5 - mg/L																
Count Lab	1	1	1	1	1	1	1	1	1	1	1	1	12			
Max Lab	159	250	263	81	241	187	232	187	201	408	86	220			408	
Mean Lab	159	250	263	81	241	187	232	187	201	408	86	220		209.583		
Min Lab	159	250	263	81	241	187	232	187	201	408	86	220				81
Raw / Flow - m³/d																
Count IH	31	28	31	30	31	30	31	31	30	31	30	31	365			
Max IH	599.4	1065.3	823	1896.1	1326.5	878.9	488.7	640.8	511.3	1318	801.2	670.9			1896.1	
Mean IH	480.82	474.08	547.03	1071.87	638.07	468.95	387.49	442.88	404.6	605.89	562.2	517.75		549.92		
Min IH	397.9	360	400.7	751.1	442.6	374.1	337	308.5	333.8	346	406.6	396.9				308.5
Total IH	14905.5	13274.1	16957.8	32156.2	19780.1	14068.5	12012.18	13729.2	12137.98	18782.6	16866	16050.1	200720.3			
Raw / Total Kjeldahl Nitrogen: TKN - mg/L																
Count Lab	1	1	1	1	1	1	1	1	1	1	1	1	12			
Max Lab	19.9	14.9	20.4	9.8	25.5	29.7	31.9	30.7	45.1	29.8	16.6	23			45.1	
Mean Lab	19.9	14.9	20.4	9.8	25.5	29.7	31.9	30.7	45.1	29.8	16.6	23		24.775		
Min Lab	19.9	14.9	20.4	9.8	25.5	29.7	31.9	30.7	45.1	29.8	16.6	23				9.8
Raw / Total Phosphorus: TP - mg/L																
Count Lab	1	1	1	1	1	1	1	1	1	1	1	1	12			
Max Lab	2.92	1.6	2.51	1.18	4.68	3.08	4.22	4.12	5.08	3.12	1.78	3.09			5.08	
Mean Lab	2.92	1.6	2.51	1.18	4.68	3.08	4.22	4.12	5.08	3.12	1.78	3.09		3.115		
Min Lab	2.92	1.6	2.51	1.18	4.68	3.08	4.22	4.12	5.08	3.12	1.78	3.09				1.18
Raw / Total Suspended Solids: TSS - mg/L																
Count Lab	1	1	1	1	1	1	1	1	1	1	1	1	12			
Max Lab	158	139	162	114	215	135	226	168	171	161	74	155			226	
Mean Lab	158	139	162	114	215	135	226	168	171	161	74	155		156.5		
Min Lab	158	139	162	114	215	135	226	168	171	161	74	155				74

Appendix C

Bypass/Overflow Sample Data

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Works #: 110000613**Project :** PO#017470

14-April-2023

OCWA-Near North (Powassan Lagoon)**Attn :** Josh Gravelle

213 Whitewood Ave. West, PO Box 1495
New Liskeard, ON
P0J 1P0, Canada

Phone: 705-672-5549 Ext. 222
Fax:

Date Rec. : 06 April 2023**LR Report:** CA13162-APR23**Copy:** #2

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	6: PrBy PBy2-Bypass @ Clark Street Sewage Lift Stn
Sample Date & Time					05-Apr-23 15:35
Sampled By					Darren Aljoe
Temperature Upon Receipt [°C]	---	---	---	---	9.0
Carbonaceous Biochemical Oxygen Demand [(CBOD5) mg/L]	06-Apr-23	16:57	11-Apr-23	14:33	58
Total Suspended Solids [mg/L]	11-Apr-23	14:39	13-Apr-23	11:15	253
pH [No unit]	10-Apr-23	13:36	11-Apr-23	10:18	6.89
Phosphorus (total) [mg/L]	11-Apr-23	14:23	13-Apr-23	07:36	0.74
Total Kjeldahl Nitrogen [as N mg/L]	12-Apr-23	07:59	14-Apr-23	15:27	5.8
E. Coli [cfu/100mL]	06-Apr-23	16:26	10-Apr-23	12:44	NDOGEC

NDOGEC - No Data: Overgrown with E. coli



Carrie Greenlaw
Project Specialist,
Environment, Health & Safety

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Works #: 110000613**Project :** PO#017470

14-April-2023

OCWA-Near North (Powassan Lagoon)**Attn :** Josh Gravelle

213 Whitewood Ave. West, PO Box 1495
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P0J 1P0, Canada

Phone: 705-672-5549 Ext. 222**Fax:****Date Rec. :** 06 April 2023**LR Report:** CA13163-APR23**Copy:** #2

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	6: PrBy PBy2-Bypass @ Clark Street Sewage Lift Stn
Sample Date & Time					05-Apr-23 15:40
Sampled By					Dan Finnigan
Temperature Upon Receipt [°C]	---	---	---	---	9.0
Carbonaceous Biochemical Oxygen Demand [(CBOD5) mg/L]	06-Apr-23	16:57	11-Apr-23	14:33	37
Total Suspended Solids [mg/L]	11-Apr-23	14:39	13-Apr-23	11:15	43
pH [No unit]	10-Apr-23	13:36	11-Apr-23	10:18	7.04
Phosphorus (total) [mg/L]	11-Apr-23	14:23	13-Apr-23	07:36	0.71
Total Kjeldahl Nitrogen [as N mg/L]	12-Apr-23	07:59	14-Apr-23	15:27	5.6
E. Coli [cfu/100mL]	06-Apr-23	16:26	10-Apr-23	12:44	NDOGEC

NDOGEC - No Data: Overgrown with E. coli



Carrie Greenlaw
Project Specialist,
Environment, Health & Safety

Appendix D
Maintenance Summary

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3162521	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	CLOSE	1/1/23 12:00 AM	1/10/23 06:12 PM	1/10/23 06:12 PM	Diesel Generator Inspection/ Functional Test (1m) 5747 -January 09, 2023. Dan Finnigan performed the monthly Generator/ Functional test.. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: RPM's= 1825 Oil Level = Full Coolant Temp=160 Deg.F Battery Voltage= 12.0 V Oil Pressure 60 psi Hrs at start: 501.2 Hrs at stop: 501.5
3171377			5747, Powassan WWTL	OPER	Health and Safety	1	YEARS	WHMIS/MSDS/NSF Review And Update (1y) 5747	CLOSE	1/1/23 12:00 AM	1/24/23 09:13 AM	1/24/23 09:13 AM	WHMIS/MSDS/NSF Review And Update (1y) 5747 -Reviewed status of SDS sheets, updated as required.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3171506			5747, Powassan WWTL	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	1/1/23 12:00 AM	1/10/23 05:28 PM	1/10/23 05:28 PM	Health And Safety Inspection (1m) 5747 - Dan Finnigan conducted the monthly H&S Inspection on January 09, 2023 which consisted of checking/ verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (was not working) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor
3171536			5747, Powassan WWTL	OPER	Inspection	1	YEARS	Daily O&M Activities (1y) 5747	COMP	1/1/23 12:00 AM	1/3/24 09:56 AM	1/3/24 09:56 AM	
3171577			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	1/1/23 12:00 AM	1/10/23 06:09 PM	1/10/23 06:09 PM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on January 09, 2023. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory’s Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3171590			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	1/1/23 12:00 AM	1/31/23 01:57 PM	1/31/23 01:57 PM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on January 30, 2023. Both sewage pumps were turned off in “hand” and the wet well level was allowed to rise until the High Level alarm setpoint was reached. It was verified by receiving the WIN911 alarm once the alarm condition was met. The on-call operator received the alarm call-out and both pumps were turned back on to pump down the level. Both sewage pumps were shut off in Auto when the level returned to normal settings in less than 10 minutes of pumping.
3176499			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	1/1/23 12:00 AM	1/10/23 04:55 PM	1/10/23 04:55 PM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of December 2022 was completed on January 05, 2022 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3216545	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	CLOSE	2/1/23 12:00 AM	3/1/23 02:28 PM	3/1/23 02:28 PM	Diesel Generator Inspection/ Functional Test (1m) 5747 -Curtis Green performed the monthly Generator/Functional test on February 23, 2023. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: RPM's= 1840 Oil Level = Full Coolant Temp=130 Deg.F Battery Voltage= 12 V Oil Pressure 60 psi Hrs at start: 502.4 Hrs at stop: 502.8
3222287			5747, Powassan WWTL	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	2/1/23 12:00 AM	3/1/23 02:21 PM	3/1/23 02:21 PM	-Curtis Green conducted the monthly H&S Inspection on February 23, 2022 which consisted of checking/verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (not working) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3222298			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	2/1/23 12:00 AM	3/1/23 02:13 PM	3/1/23 02:13 PM	TPM Inspection/Maintenance (1m) 5747 -Completed by Curtis Green on February 23, 2022. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.
3222308			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	2/1/23 12:00 AM	3/2/23 05:22 PM	3/2/23 05:22 PM	Critical Alarm/Dialer Testing (1m) 5747 -There was an actual High Level event that occurred on Feb 15, 2023 during a warm winter melt and rainfall event. The high level float was activated, and True Steel contacted the on call operator within minutes.
3225480			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	2/1/23 12:00 AM	4/13/23 01:48 PM	4/13/23 01:48 PM	

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3246367			5747, Clark SPS	CALL	Compliance	0		Powassan Clark St. Sewage Stn Well High Level	CLOSE		2/15/23 05:15 PM	2/15/23 10:30 PM	Powassan Clark St. Sewage Stn Well Well High Level - 16:01--Received WIN911 Alarm for Clark Street High Wet Well Level 17:20--Received True Steel notification of High Level Float. Checked forecast: rain event has ended with a brief amount of rain expected later tonight. Reviewed trending: trending has flatlined but no more precipitation in the forecast. 22:00-Onsite to inspect wet well: inspection shows high level was at least 20 inches below overflow with no signs of overflow (chlorine pucks are dry, wet level below, etc.). Both pumps are running and High Level float is almost disengaged. 22:30--High level float is now disengaged and wet well level is back to normal.
3258082	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	CLOSE	3/1/23 12:00 AM	3/17/23 12:01 PM	3/17/23 12:01 PM	Diesel Generator Inspection/ Functional Test (1m) 5747 -March 16, 2023. Dan Finnigan performed the monthly Generator/ Functional test.. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: RPM's= n/a Oil Level = Full Coolant Temp=165 Deg.F Battery Voltage= 12.0 V Oil Pressure 59 psi Hrs at start: 503.1 Hrs at stop: 503.6

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3264647			5747, Powassan WWTL	PM	Inspection	1	YEARS	Electrical Equipment Inspection/ Service (1y) 5747	CLOSE	3/1/23 12:00 AM	9/26/23 07:48 AM	9/26/23 07:48 AM	ESA Inspection - Logbook and Facility Review, no defects present at time of Inspection
3264657	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Refurbish/ Replace/Repair	1	MONTHS	Lagoon South Inspection (1y) 5747	CLOSE	3/1/23 12:00 AM	6/21/23 11:20 AM	6/21/23 11:20 AM	Lagoon South Inspection (1y) 5747 - Multiple Cell inspections were conducted prior to chemical treatment for the Spring Release. May 09, 2023: OCWA staff onsite and treated South Cell with Ferric. May 24, 2023: Started the release of the South Cell June 09, 2023: Ended the release of the South Cell. Inspections did not reveal any unusual activity or damage to the cells.
3264683	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Refurbish/ Replace/Repair	1	MONTHS	Lagoon North Inspection (1y) 5747	CLOSE	3/1/23 12:00 AM	6/21/23 11:23 AM	6/21/23 11:23 AM	
3264706	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Refurbish/ Replace/Repair	1	MONTHS	Lagoon Old Inspection (1y) 5747	CLOSE	3/1/23 12:00 AM	6/21/23 11:29 AM	6/21/23 11:29 AM	Lagoon Old Inspection (1y) 5747 -April 11, 2023: Sewage flow diverted to the Old cell while sampling and release activities are ongoing in the North / South Cells. May 24, 2023: Old Cell was isolated and sewage was diverted back to the North Cell. Inspections did not reveal any unusual activity or damage to the cells.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3264725			5747, Powassan WWTL	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	3/1/23 12:00 AM	3/7/23 11:40 AM	3/7/23 11:40 AM	Health And Safety Inspection (1m) 5747 - Dan Finnigan conducted the monthly H&S Inspection on March 03, 2023, which consisted of checking/ verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (removed for repair / replacement) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor
3264736			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	3/1/23 12:00 AM	3/7/23 11:42 AM	3/7/23 11:42 AM	TPM Inspection/Maintenance (1m) 5747 - TPM Inspection/Maintenance (1m) 5747 Completed by Dan Finnigan on March 03, 2023. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3264741			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	3/1/23 12:00 AM	3/17/23 11:59 AM	3/17/23 11:59 AM	Critical Alarm/Dialer Testing (1m) 5747 - Conducted by Dan Finnigan on March 16, 2023. Both sewage pumps were turned off in “hand” and the wet well level was allowed to rise until the High Level alarm setpoint was reached (via WIN911). The WIN911 Autodialer was triggered and messaged the operator and both pumps were turned back on to pump down the level. Both sewage pumps were shut off in Auto when the level returned to normal settings in less than 5 minutes of pumping.
3268199			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	3/1/23 12:00 AM	3/2/23 05:19 PM	3/2/23 05:19 PM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of February 2023 was completed on March 2, 2023 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3303180	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	CLOSE	4/1/23 12:00 AM	4/17/23 09:49 PM	4/17/23 09:49 PM	Diesel Generator Inspection/ Functional Test (1m) 5747 -April 14, 2023. Dan Finnigan performed the monthly Generator/ Functional test.. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: RPM's= 1805 Oil Level = Full Coolant Temp=180 Deg.F Battery Voltage= 12.0 V Oil Pressure 59 psi Hrs at start: 503.70 Hrs at stop: 504.00
3310169			5747, Powassan WWTL	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	4/1/23 12:00 AM	4/17/23 09:47 PM	4/17/23 09:47 PM	Health And Safety Inspection (1m) 5747 - Dan Finnigan conducted the monthly H&S Inspection on April 06, 2023, which consisted of checking/ verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (removed for repair / replacement) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3310218			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	4/1/23 12:00 AM	4/17/23 09:46 PM	4/17/23 09:46 PM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on April 14, 2023. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.
3310223			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	4/1/23 12:00 AM	4/17/23 09:53 PM	4/17/23 09:53 PM	Critical Alarm/Dialer Testing (1m) 5747 -On April 06, 2023 the on-call operator was notified via True Steel about a True High Level Alarm. The Alarm light came on and True Steel notified the operator. The high level was caused by a very quick snow melt on a warm day. Once the temperature cooled down the pumps pumped the level down and the alarm light came off and the alarm was reset.
3314498			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	4/1/23 12:00 AM	4/13/23 02:22 PM	4/13/23 02:22 PM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of March 2023 was completed on April 13, 2023 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3339699			5747, Clark SPS	CALL	Compliance	0		Powassan Clark St. Sewage Stn Well Well High Level	CLOSE		4/10/23 06:03 PM	4/10/23 09:40 PM	Powassan Clark St. Sewage Stn Well Well High Level - 18:03--Received WIN911 Alarm for Clark Street High Wet Well Level 18:15--Checked Clark Street wet well level: approximately 12 feet below overflow level. No rain forecast for today but mild temperatures contributing to infiltration, etc. 21:40--Reviewed trending online: wet well level is at 7.48 meters and appears to be dropping. Will monitor remotely. Increased WIN911 alarm setpoint to maximum level before "blanking" of signal to prevent reoccurrence of alarms
3341595			Powassan Wastewater Treatment Lagoon	OPER	Predictive Maintenance	0		Powassan Spring 2023 Lagoon Treatment	CLOSE		5/15/23 10:29 AM	5/15/23 10:29 AM	Powassan Spring 2023 Lagoon Treatment -On Tuesday May 2, 2023 Don Michaud and Tim Fraser treated Powassan South Lagoon with 1630 Imp/Gallons of Ferric Sulfate. On Tuesday May 2, 2023 Don Michaud and Tim Fraser treated Powassan South Lagoon with 1630 Imp/Gallon - Correction on Log. On Tuesday May 2, 2023 Don Michaud and Tim Fraser treated Powassan North Lagoon with 1630 Imp/Gallons of Ferric Sulfate. Powassan Spring 2023 Lagoon Treatment - On Tues May 9, 2023 Don Michaud and Tim F treated Powassan South Lagoon with 2002 Imp/Gal of Ferric Sulfate.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3341611			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	CLOSE		4/22/23 02:45 PM	4/22/23 07:15 PM	Powassan Clark Street SPS - Received WIN911 High Level Alarm Clark SPS. Received Monitoring Station High Level Alarm Clark SPS. Clark Station inspection shows Level approximately 1.5 ft from Overflow precipitation subsiding. Flow Rate @ 1986 L/min. Prepared Calcium Hypochlorite in Overflow as Station elevation close to Bypass. Station Level static at 1 ft below Overflow for 30 minute duration. Station level reduced 2.5 ft below Overflow with end to forecast precipitation.
3353141	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	CLOSE	5/1/23 12:00 AM	5/15/23 02:13 PM	5/15/23 02:13 PM	Diesel Generator Inspection/ Functional Test (1m) 5747 - Curtis Green performed the monthly Generator/Functional test on April 12, 2023. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: RPM's= 1825 Oil Level = Full Coolant Temp=180 Deg.F Battery Voltage= 11.5 V Oil Pressure 54 psi Hrs at start: 504.0 Hrs at stop: 504.7

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3359077	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	5/1/23 12:00 AM	6/19/23 08:27 AM	6/19/23 08:27 AM	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on May 28, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3359087	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	5/1/23 12:00 AM	6/19/23 08:28 AM	6/19/23 08:28 AM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on May 28, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3359109	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	5/1/23 12:00 AM	6/19/23 08:28 AM	6/19/23 08:28 AM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on May 28, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3359129			5747, Powassan WWTL	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	5/1/23 12:00 AM	5/15/23 02:16 PM	5/15/23 02:16 PM	Health And Safety Inspection (1m) 5747 - Curtis Green conducted the monthly H&S Inspection on April 12, 2023 which consisted of checking/verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (not working) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor
3359147			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	5/1/23 12:00 AM	5/15/23 02:18 PM	5/15/23 02:18 PM	TPM Inspection/Maintenance (1m) 5747 - Completed by Curtis Green on April 12, 2023. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3359152			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	5/1/23 12:00 AM	5/15/23 02:23 PM	5/15/23 02:23 PM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Curtis Green on April 12, 2023. Both sewage pumps were turned off in “hand” and the wet well level was allowed to rise until the High Level alarm setpoint was reached (via WIN911). The WIN911 Autodialer was triggered and messaged the operator and both pumps were turned back on to pump down the level. Both sewage pumps were shut off in Auto when the level returned to normal settings in about 20 minutes of pumping.
3362162			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	5/1/23 12:00 AM	5/16/23 04:16 PM	5/16/23 04:16 PM	
3385515			Powassan Wastewater Treatment Lagoon	OPER	Compliance	0		Collect Weekend Lagoon Discharge Sample for Release	CLOSE		5/16/23 10:48 AM	5/16/23 10:48 AM	Collect Weekend Lagoon Discharge Sample for Release - Scheduled overtime for Dan Finnigan collecting weekend lagoon discharge samples required for release.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3398018	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	CLOSE	6/1/23 12:00 AM	6/7/23 09:23 AM	6/7/23 09:23 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 - June 01, 2023. Dan Finnigan performed the monthly Generator/ Functional test.. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: RPM's= 1825 Oil Level = Full Coolant Temp=185 Deg.F Battery Voltage= 11.8 V Oil Pressure 50 psi
3404615	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	6/1/23 12:00 AM	6/19/23 08:30 AM	6/19/23 08:30 AM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on June 05, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3404625	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	6/1/23 12:00 AM	6/19/23 08:30 AM	6/19/23 08:30 AM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on June 05, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3404647	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	6/1/23 12:00 AM	6/19/23 08:31 AM	6/19/23 08:31 AM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on June 05, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3404662			5747, Powassan WWTL	OPER	Compliance	1	YEARS	Facility Emergency Plan Review (1y) 5747	CLOSE	6/1/23 12:00 AM	6/27/23 02:55 PM	6/27/23 02:55 PM	Facility Emergency Plan Review (1y) 5747 -Reviewed and updated all sections as per PCT on July 26, 2023
3404663			5747, Powassan WWTL	OPER	Compliance	2	YEARS	Operation/Sop Manual Review And Update (2y) 5747	CLOSE	6/1/23 12:00 AM	6/27/23 02:58 PM	6/27/23 02:58 PM	Operation/Sop Manual Review And Update (2y) 5747 -Reviewed and updated all sections as per PCT on July 26, 2023
3404670			5747, Powassan WWTL	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	6/1/23 12:00 AM	6/7/23 09:18 AM	6/7/23 09:18 AM	Health And Safety Inspection (1m) 5747 -Dan Finnigan conducted the monthly H&S Inspection on June 01, 2023, which consisted of checking/ verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (removed for repair / replacement) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3404681			5747, Powassan WWTL	PM	Health and Safety	1	YEARS	Fire Protection System Inspection (1y) 5747	COMP	6/1/23 12:00 AM	11/21/23 04:10 PM	11/21/23 04:10 PM	Fire Protection System Inspection (1y) 5747 - November 20, 2023 Picked up Fire Extinguisher from Clark Street lift station and brought to Callander for third party inspection. Returned to Clark Street once it passed inspection.
3404684			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	6/1/23 12:00 AM	6/7/23 09:16 AM	6/7/23 09:16 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on June 01, 2023. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.
3404689			5747, Powassan WWTL	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Inspection (1y) 5747	COMP	6/1/23 12:00 AM	10/6/23 08:15 AM	10/6/23 08:15 AM	Tank Inspection (1y) 5747 - Curtis Green was onsite with Muskoka HydroVac on Wednesday September 27, 2023 for a thorough cleaning of the Clark Street lift station. The lift station was inspected and there were no other deficiencies notes that were not already mentioned via management. Dan Finnigan inspected the St. Gregory lift station on Friday September 29, 2023 during the monthly TPM work order and there were no deficiencies noted.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3404693			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	6/1/23 12:00 AM	6/7/23 09:20 AM	6/7/23 09:20 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on June 01, 2023. Both sewage pumps were turned off in “hand” and the wet well level was allowed to rise until the High Level alarm setpoint was reached (via WIN911). The WIN911 Autodialer was triggered and messaged the operator and both pumps were turned back on to pump down the level. Both sewage pumps were shut off in Auto when the level returned to normal settings in less than 5 minutes of pumping.
3408273			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	6/1/23 12:00 AM	7/20/23 02:52 PM	7/20/23 02:52 PM	WISKI Review (1m) 5747 -Entered RAW flow data into WISKI for May 2023 WISKI Review (1m) 5747 -July 20, 2023--Completed Spring Release report and entered data into WISKI
3446348	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	CLOSE	7/1/23 12:00 AM	8/31/23 10:13 AM	8/31/23 10:13 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 - July 17, 2023. Dan Finnigan performed the monthly Generator/ Functional test.. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3453118	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	7/1/23 12:00 AM	7/18/23 11:16 AM	7/18/23 11:16 AM	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on July 17, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3453128	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	7/1/23 12:00 AM	7/18/23 11:17 AM	7/18/23 11:17 AM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on July 17, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3453162	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	7/1/23 12:00 AM	7/18/23 11:17 AM	7/18/23 11:17 AM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on July 17, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3453274			5747, Powassan WWTL	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	7/1/23 12:00 AM	8/31/23 10:11 AM	8/31/23 10:11 AM	Health And Safety Inspection (1m) 5747 -Dan Finnigan conducted the monthly H&S Inspection on July 17, 2023 which consisted of checking/ verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (removed for repair / replacement) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor
3453313			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	7/1/23 12:00 AM	8/31/23 10:12 AM	8/31/23 10:12 AM	TPM Inspection/Maintenance (1m) 5747 - Completed by Dan Finnigan on July 17, 2023. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3453318			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	7/1/23 12:00 AM	8/31/23 10:16 AM	8/31/23 10:16 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on July 17, 2023. Both sewage pumps were turned off in “hand” and the wet well level was allowed to rise until the High Level alarm setpoint was reached (via WIN911 and True Steel). Both True Steel and the WIN911 Autodialer were triggered and messaged the operator and both pumps were turned back on to pump down the level. Both sewage pumps shut off in Auto when the level returned to normal settings in less than 10 minutes of pumping.
3456772			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	7/1/23 12:00 AM	7/20/23 02:54 PM	7/20/23 02:54 PM	WISKI Review (1m) 5747 -July 13, 2023: entered WISKI flow data and checked lab entries, etc. WISKI Review (1m) 5747 -July 20, 2023--Completed Spring Release report and entered data into WISKI
3479933			5747, Clark SPS	CAP	Predictive Maintenance	0		Powassan Clark Street Lift Station HydroVac Cleaning	CLOSE		9/29/23 11:22 AM	9/29/23 11:22 AM	Powassan Clark Street Lift Station HydroVac Cleaning -July 06, 2023: Created new W/O in order to schedule Muskoka Hydro Vac for Clark Street Station cleaning Powassan Clark Street Lift Station HydroVac Cleaning - Completed Sep 27, 2023
3493568	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	CLOSE	8/1/23 12:00 AM	8/9/23 09:51 AM	8/9/23 09:51 AM	

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3499559	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	8/1/23 12:00 AM	8/9/23 09:52 AM	8/9/23 09:52 AM	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on August 02, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3499569	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	8/1/23 12:00 AM	8/9/23 09:53 AM	8/9/23 09:53 AM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on August 02, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3499613	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	8/1/23 12:00 AM	8/9/23 09:54 AM	8/9/23 09:54 AM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on August 02, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3499675			5747, Powassan WWTL	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	8/1/23 12:00 AM	8/9/23 09:56 AM	8/9/23 09:56 AM	Health And Safety Inspection (1m) 5747 -Dan Finnigan conducted the monthly H&S Inspection on August 04, 2023, which consisted of checking/verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (removed for repair / replacement) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor
3499686			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	8/1/23 12:00 AM	8/9/23 09:57 AM	8/9/23 09:57 AM	TPM Inspection/Maintenance (1m) 5747 - Completed by Dan Finnigan on August 04, 2023. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.
3499691			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	8/1/23 12:00 AM	8/9/23 10:00 AM	8/9/23 10:00 AM	

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3502442			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	8/1/23 12:00 AM	9/13/23 03:07 PM	9/13/23 03:07 PM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of July 2023 was completed on September 13, 2023 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.
3538050	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	COMP	9/1/23 12:00 AM	10/26/23 09:46 AM	10/26/23 09:46 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 - Generator was test run and serviced by Val's Equipment on September 11, 2023 All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: RPM's= 1800 Oil Level = Full Coolant Temp=160 Deg.F Battery Voltage= 12 V Oil Pressure 55 psi Hrs at start: 507.8 Hrs at end: 508.4
3544437	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	9/1/23 12:00 AM	9/13/23 08:52 AM	9/13/23 08:52 AM	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on September 06, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3544470	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	CLOSE	9/1/23 12:00 AM	9/13/23 08:53 AM	9/13/23 08:53 AM	
3544489	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	9/1/23 12:00 AM	9/13/23 08:54 AM	9/13/23 08:54 AM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on September 06, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3544504			5747, Powassan WWTL	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5747	COMP	9/1/23 12:00 AM	10/26/23 09:48 AM	10/26/23 09:48 AM	Health And Safety Inspection (1m) 5747 - Dan Finnigan conducted the monthly H&S Inspection on September 29, 2023 which consisted of checking/verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (a new unit was picked up and installed: tested and working) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3544515			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	COMP	9/1/23 12:00 AM	10/26/23 09:51 AM	10/26/23 09:51 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on September 29, 2023. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.Completed by Dan Finnigan on September 29, 2023. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3544520			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	COMP	9/1/23 12:00 AM	10/26/23 09:56 AM	10/26/23 09:56 AM	Critical Alarm/Dialer Testing (1m) 5747 -The critical alarm was tested during a True Event on September 24 at 10:05 AM. During an area wide power outage the backup generator failed to start after multiple attempts. The wet well level rose to the WIN911 and Telus Alarm monitoring levels and notified the on-call operator. The operator arrived to find the level several feet below the overflow level. He started the backup generator and the pumps began to pump down the wet well level until all alarms were restored.
3547492			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	9/1/23 12:00 AM	9/13/23 03:08 PM	9/13/23 03:08 PM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of August 2023 was completed on September 13, 2023 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.
3573445			Powassan Wastewater Treatment Lagoon	OPER	Predictive Maintenance	0		Powassan Fall 2023 Lagoon Treatment	CLOSE		9/25/23 08:41 AM	9/25/23 08:41 AM	Order Details - KEMIRA PIX-312 BULK 1,815.30 Dry Kg 5.7900 CAD/DKG CAD 10,510.59 CN code: 2833290000 Net weight: 14,675.000 KG Gross weight: 14,675.000 KG 12.37 % Fe Delivery no / Date:85990643 / 09/19/2023 UN3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Ferric sulfate), 8, PGIII, RQ Country of Origin: CA 16,200.000 KG

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3575086			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	CLOSE		9/24/23 09:00 AM	9/24/23 10:45 AM	Powassan Clark Street SPS High Level Alarm - Received Power Failure Alarm following utility area outage. Station Inspection with Generator Fail to Start on power failure. Inspection of Wetwell with level approximately 6 feet below overflow. Following repeat attempts resetting Generator after failed Automatic starts successful activation with Station Pump displacement to Lagoon. Received WIN911 and monitoring station High Wetwell Level Alarm.
3586775	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	COMP	10/1/23 12:00 AM	10/30/23 10:54 PM	10/30/23 10:54 PM	Diesel Generator Inspection/ Functional Test (1m) 5747 - October 27, 2023. Dan Finnigan performed the monthly Generator/ Functional test.. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: RPM's= 1830 Oil Level = Full Coolant Temp=182 Deg.F Battery Voltage= 12.0 V Oil Pressure 58 psi Hrs at start: 513.4 Hrs at stop: 514.2

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3592824	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	COMP	10/1/23 12:00 AM	11/16/23 02:32 PM	11/16/23 02:32 PM	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on October 04, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3592834	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	COMP	10/1/23 12:00 AM	11/16/23 02:35 PM	11/16/23 02:35 PM	
3592868	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	COMP	10/1/23 12:00 AM	11/16/23 02:37 PM	11/16/23 02:37 PM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on October 04, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3592927			5747, Powassan WWTL	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5747	COMP	10/1/23 12:00 AM	10/30/23 10:50 PM	10/30/23 10:50 PM	Health And Safety Inspection (1m) 5747 - Dan Finnigan conducted the monthly H&S Inspection on October 27, 2023 which consisted of checking/verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (a new unit was picked up and installed: tested and working) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor
3592964			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	COMP	10/1/23 12:00 AM	10/30/23 10:51 PM	10/30/23 10:51 PM	TPM Inspection/Maintenance (1m) 5747 - Completed by Dan Finnigan on October 27, 2023. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3592981			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	COMP	10/1/23 12:00 AM	10/30/23 10:57 PM	10/30/23 10:57 PM	Critical Alarm/Dialer Testing (1m) 5747 -A fall rain event that started on October 26th triggered both the Telus Alarms High Wet Well alarm as well as the WIN911 alarm multiple times. The wet well levels were observed both remotely and onsite, and no overflow level was reached. When the rain event ended the pumps continued to draw down the level until the shut off was reached and the alarms were reset.
3596902			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	COMP	10/1/23 12:00 AM	10/13/23 08:21 AM	10/13/23 08:21 AM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of September 2023 was completed on October 13, 2023 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.
3622381			5747, Clark SPS, Process	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	COMP		10/8/23 07:00 PM	10/8/23 08:15 PM	Powassan Clark Street SPS High Level Alarm - Received High Wetwell Level Alarm. Reviewed Wonderware with Station Level @ 6.41 metres. Adjusted WIN911 High Level Alarm Setpoint to 9.0 metres.
3622383			5747, Faireview SPS, Process	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	COMP		10/8/23 08:30 PM	10/8/23 11:00 PM	Powassan Clark Street SPS High Level Alarm - Received WIN911 High Wetwell Level Alarm. Milltronics Level displaying 9.87 metres. Inspected Wetwell with Level approximately six feet from overflow. Pumps 1 and 2 displacement averaging 1160 L/min. Precipitation expected to continue into the following day.

Workorder Summary Report

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

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Location: 5747*

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
3622384			5747, Clark SPS, Process	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	COMP		10/9/23 01:00 AM	10/9/23 04:30 AM	5747 Powassan Clark Street SPS High Level Alarm - Received repeat WIN911 High Wetwell Level Alarm. Inspected Wetwell with Level remaining several feet below overflow. Monitred system remotely. Reviewed Wonderware with Wetwell Level @ 8.48 metres following gradual reduction. 5747 Powassan Clark Street SPS High Level Alarm - Received subsequent repeat High Wetwell Level Alarms with delayed system restore. Wetwell Level from previous weather experiencing heavy precipitation subject to gradual reduction. Early morning residential use negatively impacted station with surcharging resulting in repeat alarming. Wetwell subject to gradual reduction followed by repeat alarming from system users. System monitored remotely.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3623877			5747, Clark SPS, Process	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	COMP		10/9/23 06:15 AM	10/9/23 08:00 AM	5747 Powassan Clark Street SPS High Level Alarm -Received subsequent repeat High Wetwell Level Alarms with delayed system restore following previous site inspections with station monitoring for sewage overflow. Wetwell Level from previous weather experiencing heavy precipitation subject to gradual reduction. Early morning residential use negatively impacted station while recovering with surcharging that resulted in alarming. Wetwell subject to gradual reduction followed by repeat alarming from system users during routine activity. System monitored remotely. Station Level fluctuations continued with eventual stabilization to normal operation.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3625126			5747, Clark SPS	CALL	Compliance	0		Powassan Clark St. Sewage Stn Well Well High Level	COMP		10/26/23 10:30 PM	10/27/23 09:30 AM	<div>Powassan Clark St. Sewage Stn Well Well High Level</div> <div>-</div> <div>Thursday October 26, 2023</div> <div>22:18--Received and acknowledged Telus Alarms High Wet Well level for Clark Street Pumping Station</div> <div>22:30--Logged onto Wonderware remotely to review trending: Level is slowly rising with decreased precipitation forecast. Will monitor remotely</div> <div>Friday October 27, 2023</div> <div>01:43--Received and acknowledged Telus Alarms High Wet Well level for Clark Street Pumping Station</div> <div>01:45--Logged onto Wonderware remotely to review trending: Level is slowly rising and Radar forecast shows rain event slowing down and eventual end within 2 hrs.</div> <div>02:47--Received and acknowledged WIN911 Alarm for Clark Street High Wet Well Level. Reviewed trending: level has reached blanking level on transducer (approximately 10 feet below overflow and forecast call for intermittent rain in the next several hours. Will monitor remotely and check the station in a few hours.</div> <div>05:20--Received and acknowledged WIN911 Alarm for Clark Street High Wet Well Level. Reviewed trending: level was pumped down below the WIN911 setpoint then increased again to the blanking level on transducer (approximately 10 feet below overflow). Forecast calls for intermittent rain in the next several hours.</div> <div>07:30--Onsite to observe wet well level. Level is approximately 6 feet below overflow with no evidence of the level reaching the overflow pipe.</div>

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
													Observations indicate the level reached approximately 18 inches below overflow through the night. Observation of overflow ditch indicates no outflow into Genesee Creek. Slightly misting and both pumps operating normally to bring down the level.
3625324			Powassan Wastewater Treatment Lagoon	CORR	Compliance	0		Powassan Clark St Flow meter Verification 5747	COMP		10/30/23 09:05 AM	10/30/23 09:05 AM	Powassan Clark St Flow meter Verification 5747 - Powassan Clark St Flow meter Verification 5747 for 2023 Completed by Don Michaud on Thursday October 19, 2023.
3625325			Powassan Wastewater Treatment Lagoon	CORR	Compliance	0		Powassan St Gregory Flow meter Verification 5747	COMP		10/30/23 09:10 AM	10/30/23 09:10 AM	Powassan St Gregory Flow meter Verification 5747 - Powassan St Gregory Flow meter Verification 5747 was completed by Don Michaud on Thursday October 19, 2023.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3634740	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	COMP	11/1/23 12:00 AM	11/16/23 08:01 AM	11/16/23 08:01 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 - November 08, 2023. Dan Finnigan performed the monthly Generator/ Functional test.. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: RPM's= 1830 Oil Level = Full Coolant Temp=178 Deg.F Battery Voltage= 12.0 V Oil Pressure 53 psi Hrs at start: 514.2 Hrs at stop: 514.7
3640429	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	COMP	11/1/23 12:00 AM	11/16/23 02:41 PM	11/16/23 02:41 PM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on November 01, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3640439	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	COMP	11/1/23 12:00 AM	11/16/23 02:42 PM	11/16/23 02:42 PM	

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3640461	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	COMP	11/1/23 12:00 AM	11/16/23 02:43 PM	11/16/23 02:43 PM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on November 01, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3640479			5747, Powassan WWTL	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5747	COMP	11/1/23 12:00 AM	11/16/23 08:38 AM	11/16/23 08:38 AM	Health And Safety Inspection (1m) 5747 -Dan Finnigan conducted the monthly H&S Inspection on November 08, 2023 which consisted of checking/verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (a new unit was picked up and installed: tested and working) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3640492			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	COMP	11/1/23 12:00 AM	11/16/23 08:41 AM	11/16/23 08:41 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on November 08, 2023. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. Pump #1 Output at Clark Street was about half of normal. Don Michaud unplugged the pump on Friday November 10 and output was restored. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.
3640497			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	COMP	11/1/23 12:00 AM	11/16/23 08:45 AM	11/16/23 08:45 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on November 08, 2023. Both sewage pumps were turned off in "hand" and the wet well level was allowed to rise until the High Level alarm setpoint was reached. The Telus alarm was triggered and messaged the operator and both pumps were turned back on to pump down the level. Both sewage pumps shut off in Auto when the level returned to normal.
3642933			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	COMP	11/1/23 12:00 AM	12/22/23 09:39 AM	12/22/23 09:39 AM	WISKI Review (1m) 5747 -Entered WISKI Data, calculated flows for lagoon release, reviewed sampling entries, etc.
3665579	0000086556	METER FLOW POWASSAN WWTL (CLARKE STREET) OLD LIFT STN	5747, Clark SPS, Process	PM	Calibration	1	YEARS	Meter Flow Powassan WWTL Clark Street Calibration (1y) 5747	COMP	1/1/24 12:00 AM	1/3/24 02:13 PM	1/3/24 02:13 PM	Completed October 19, 2023 - Report located on Shared Drive

Workorder Summary Report

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

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Location: 5747*

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
3665582	0000086563	METER FLOW 1 POWASSAN WWTL. ST.GREGORY SCHOOL PUMPING STATION #2	5747, Faireview SPS, Process	PM	Calibration	1	YEARS	Meter Flow 1 Powassan WWTL St. Gregory Calibration (1y) 5747	COMP	1/1/24 12:00 AM	1/3/24 02:14 PM	1/3/24 02:14 PM	Completed October 19, 2023 - Report located on the shared drive.
3675773	0000296003	GENERATOR NATURAL GAS GENSET Clark Street	5747, Clark SPS, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5747	COMP	12/1/23 12:00 AM	12/11/23 08:04 AM	12/11/23 08:04 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 -December 05, 2023. Dan Finnigan performed the monthly Generator/ Functional test.. All fluid levels were checked, belts inspected, battery charging system, etc. The generator transfer button was pressed and the start command to the generator was initiated. While running, the system was observed for leaks or any other deficiencies. The following generator values were recorded while running: RPM's= 1875 Oil Level = Full Coolant Temp=165 Deg.F Battery Voltage= 12.2 V Oil Pressure 62 psi Hrs at start: 515.3 Hrs at stop: 516.0
3682387	0000126968	LAGOON CELL 01 SOUTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 01South Powassan Insp/Service (1m/6m/1y) 5747	COMP	12/1/23 12:00 AM	12/11/23 08:10 AM	12/11/23 08:10 AM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on December 05, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3682397	0000126967	LAGOON CELL 02 NORTH POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747	COMP	12/1/23 12:00 AM	12/11/23 08:11 AM	12/11/23 08:11 AM	Lagoon Cell 02 North Powassan In -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on December 05, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3682419	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	COMP	12/1/23 12:00 AM	12/11/23 08:12 AM	12/11/23 08:12 AM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon during the monthly RAW sewage sample collection on December 05, 2023. The lagoon berm was inspected and found to be in good condition, the level was checked and found to be below the overflow level, and there were no other unusual observations.
3682437			5747, Powassan WWTL	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5747	COMP	12/1/23 12:00 AM	12/11/23 08:00 AM	12/11/23 08:00 AM	Health And Safety Inspection (1m) 5747 - Dan Finnigan conducted the monthly H&S Inspection on December 05, 2023 which consisted of checking/ verifying the following items: 1. Spill Kit: all items were available 2. Safety Signage (all intact and visible) 3. First aid kit 4. Hearing protection earmuffs 5. Emergency lighting (tested and working) 6. Emergency Eyewash (bottles are within use before date) 7. Fire Extinguisher 8. CO Monitor

Workorder Summary Report

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

Report End Date: Dec 31, 2023 11:59 PM

Location: 5747*

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
3682448			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	COMP	12/1/23 12:00 AM	12/11/23 08:02 AM	12/11/23 08:02 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on December 05, 2023. The operation of all sewage station lift pumps were visually and audibly observed at both St. Gregory's Lift Station and the Clark Street Lift station. Pump #1 at St. Gregory SLS seemed a little noisy but pump output was normal. The control panels were also checked for functionality with nothing unusual noted. Ventilation screens at the Clark Station were in good condition, and there was nothing else to report.
3682453			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	COMP	12/1/23 12:00 AM	12/11/23 08:07 AM	12/11/23 08:07 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on December 05, 2023. Both sewage pumps were turned off in "hand" and the wet well level was allowed to rise until the High Level alarm setpoint was reached. The Telus alarm was triggered and messaged the operator and both pumps were turned back on to pump down the level. Both sewage pumps shut off in Auto when the level returned to normal.
3684766			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	COMP	12/1/23 12:00 AM	12/22/23 09:48 AM	12/22/23 09:48 AM	WISKI Review (1m) 5747 -Entered WISKI data and calculated lagoon release data for entry. Checked lab uploads, etc.

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Work Order Type: CALL,CAP,CORR,EMER,OPER,PM

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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
3707605			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	COMP		12/28/23 05:30 PM	12/29/23 01:00 AM	5747 Powassan Clark Street SPS High Level Alarm - Received Power Failure Alarm followed by High Level Alarm. Received WIN911 Clark Street High Level Alarm. Received WIN911 Clark Street High Level Alarm with system restore. Reviewed Wonderware with Station Level @ 8.1 metres with Flow @ 1006 L/min. Trending review shows Clark Street SPS Control Power Loss occurring at 1550 hours with Pumps 1 and 2 no longer displacing due to Generator failing to activate. Trending flatlined at 1620 hours until 1735 with utility power restoration. Pumps 1 and 2 immediately activated reducing station level. Performed visual inspection of Wetwell with difficulty determining if Bypass event occurred due to significant moisture. Confirmed presence of Calcium Hypochlorite in perforated assembly immediately located in Overflow Header. Performed inspection of Genesee Creek near Overflow Header observing small quantity of foam confirming event occurrence. Contacted MECP SAC speaking to Environmental Officer Bilal Kidwai with Reference 1-4K5U1Z. Event reported duration from 1645 hours to 1735 with approximate volume 10 cubic metres subject to disinfection from Calcium Hypochlorite stored in perforated assembly located immediately inside Overflow Header. Sampling requirement of 2 sets not possible due to brief time. Contacted NBPSD Health Unit. Contacted by NBPSD Health Unit Inspector Rohan Makdani. Details

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WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
													of the event provided to Inspector. Prepared Environmental Incident Report and transmitted to MECP SAC, MOH, Environment Canada, OCWA and Municipality of Powassan.