ONTARIO CLEAN WATER AGENCY
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2024 Annual Performance Report for the Powassan Sewage Treatment Lagoon & Sewage Collection System

January 1, 2024 to December 31, 2024

PREPARED BY

Ontario Clean Water Agency
on behalf of the Municipality of Powassan

Date: March 11, 2025
Rev: 0

Revision History

Rev. No.	Date	Prepared by:	Approved by:	Description
0	March 11, 2025	M. Malette, PCT	P. Dyrda, Sr Ops Manager	Revision 0 issued

Table of Contents

List of Tables

List of Figures

Executive Summary

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 2024 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.

Introduction

Condition 11(5) of ECA No. 7092-9XLLAN for the Powassan Sewage Treatment Lagoon requires the Owner to prepare and submit a performance report to the Ministry of the Environment's District Manager on an annual basis by March 31 for the preceding calendar year. The 2024 Annual Performance Report was prepared by the Ontario Clean Water Agency (OCWA) on behalf of the Municipality of Powassan and is based on information kept on record by OCWA. The report has been completed in accordance with the approval and contains, but is not limited to the following information outlined in the ECA:

- A summary and interpretation or all influent monitoring data, and a review of historical trend of the sewage characteristics and flow rates;
- A summary and interpretation or all final effluent monitoring data, including concentration, flow rates, loading and a comparison to design objectives and compliance limits in the Approval, including an overview of the success and adequacy of the Works;
- A summary of all operating issues encountered and corrective actions taken;
- A summary of all normal and emergency repairs and maintenance carried out on any major structure, equipment, apparatus or mechanism forming part of the Works;
- A summary of any effluent quality assurance or control measures undertaken;
- A summary or the calibration and maintenance carried out on all influent and final effluent monitoring equipment to ensure that the accuracy is within the tolerance of that equipment as required in this Approval or recommended by the manufacturer;
- A summary of efforts made to achieve the design objectives in this Approval, including an assessment of the issues and recommendations for pro-active actions if any are required under the following situations:
    - *i* when any of the design objectives is not achieved more than 50% of the time in a year, or there is an increasing trend in deterioration of final effluent quality;
    - *ii* when the annual average daily influent flow reaches 80% of the rated capacity;
- A summary of any complaints received and any steps taken to address the complaints;
- A summary of all bypasses, overflows, and other situations outside normal operating conditions and spills within the meaning of Part X of EPA and abnormal discharge events;
- A summary of all Notice of Modifications to Sewage Works completed under Schedule B section 3, including a report on the status of implementation of all modifications;
- A summary of efforts made to achieve conformance with Procedure F-5-1 including but not limited to projects undertaken and completed in the sanitary sewer system that result in overall bypass/overflow elimination including expenditures and proposed projects to eliminate bypass/overflows with estimated budget forecast for the year following that for which the report is submitted;

- Any changes or updates to the schedule for the completion of constructions and commissioning operations of major process(es)/equipment groups in the Proposed Works;

1 System Description

Sewage System Name:	**Powassan Sewage Treatment Lagoon**
Sewage System Works Number:	10000613
Sewage System Address:	Powassan Ontario
Sewage System Owner:	Corporation of the Town of Powassan
Sewage Treatment ECA:	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)
Air ECA:	3319-7TQQBE Issued 09 July 2009 revokes ECA No. 3-0523-83-006
Reporting Period:	January 1, 2024 to December 31, 2024

Capacity of Works:	940 m^3/day annual average
Service Area:	Town of Powassan
Service Population:	1000
Effluent Receiver:	Genessee Creek- South River- Lake Nipissing
Major Process:	Three Waste Stabilization Lagoons

The Powassan Wastewater Lagoon is a Class 1 facility that provides sewage treatment for the community Powassan. Environmental Compliance Approval No: 7092-9XLLAN allows an average rated capacity of 940 m^3/day. 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.

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 m^3. 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 m^3. 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.

The Wastewater Collection System is a class 2 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 Genesee 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.

2 Monitoring Program

2.1 Monitoring Program as Outlined in the Environmental Compliance Approval

Table 1: Analytical Parameters

BOD_5	Five Day Biochemical Oxygen Demand – is measured in an unfiltered sample; includes carbonaceous and nitrogenous oxygen demand. It refers to the amount of oxygen consumed by organic matter in a specific volume of water at a specific temperature over a 5 day period. High BOD_5 in effluent means a large quantity of oxygen was needed to break down the organic matter and identifies a large amount of organic matter in the effluent indicating inadequate treatment.
$cBOD_5$	Five-day carbonaceous biochemical oxygen demand – represents the oxygen depletion associated with the biodegradation of organic compounds and the oxidation of inorganic compounds such as ferrous iron and sulphide within 5 day period and at a specific temperature. High $cBOD_5$ in sewage effluent means a large quantity of oxygen was needed to break down the organic and inorganic matter in the effluent indicating inadequate treatment.
TSS	Total Suspended Solids – the dry weight of suspended particles that are not dissolved in water and can be filtered. TSS is composed of settleable solids and non-settleable solids depending on the size, shape and weight of the solid particles. Settable solids are large sized particles that tend to settle more rapidly in a given period of time.

Table 1: Analytical Parameters

TP	Total Phosphorus – a measure of all phosphorus found in a sample, whether it is dissolved or particulate. TP is commonly used to determine the health of water bodies. Excess TP stimulates algae and weed growth that may cause fluctuations in dissolved oxygen in the receiving waters.
TAN	Total Ammonia Nitrogen – the total amount of nitrogen in the forms of Ammonium (NH_4) and Ammonia (NH_3). Ammonia is one of several forms of nitrogen that exist in aquatic environments and can cause direct toxic effects on aquatic life. High levels of ammonia can corrode and damage critical pieces of infrastructure.
TKN	Total Kjeldahl Nitrogen – measures both total organic nitrogen and ammonium. Excess nitrogen in water bodies can lead to harmful algal blooms and other negative impacts on aquatic ecosystems.
Unionized Ammonia	A neutral toxic form of nitrogen in an un-ionized state. Ammonia is an environmental concern, especially because of its danger to human or aquatic life.
NO_2-N	Nitrogen as Nitrite – can cause excessive algae and plant growth which can deplete oxygen of waterbodies resulting in the death of fish and other aquatic organisms.
NO_3-N	Nitrogen as Nitrate – nitrates are essential plant nutrients, but in excess amounts they can cause significant algae and plant growth and contribute to water quality problems.
E. coli	*Escherichia coli* – Thermally tolerant forms of Escherichia bacteria that can live in the intestines of humans and warm-blooded animals. There are hundreds of *E. coli* strains and most are relatively harmless, however a notorious exception is *E. coli* strain 0157:H7, an emerging pathogen that produces a powerful toxin and can cause severe illness. *E. coli* is used as the most widely adopted indicator of faecal pollution in water and wastewater.
pH	pH – expresses the degree or intensity of both acidic and alkaline reactions on a scale from 0 to 14 with 7 being neutral, number less than 7 signify increasingly greater acidic solutions, and numbers greater than 7 signify increasingly basic or alkaline reactions. Very high or very low pH levels can be corrosive to pipes, screening equipment and pumps, can damage biological processes and form undesirable toxic gases or heavy metals.

Table 2: Sampling Requirements for the Raw Sewage (Influent)

Parameter	Type of Sample	Minimum Frequency
BOD_5	grab	quarterly
TSS	grab	quarterly
TP	grab	quarterly
TKN	grab	quarterly

Table 3: Sampling Requirements for the Lagoon Contents

Parameter	Type of Sample	Minimum Frequency
$cBOD_5$	grab	At least 7 days prior to discharge.
TSS	grab	At least 7 days prior to discharge.
TP	Grab	At least 7 days prior to discharge.
pH	grab	At least 7 days prior to discharge.

Table 4: Sampling Requirements for the Final Effluent- During Discharge

Parameter	Type of Sample	Minimum Frequency
$cBOD_5$	Grab	the start of discharge, at 25%, 50% , 75% drawdown, and also at the end of the discharge
TSS	Grab	
TP	Grab	
TAN (NH_3^- + NH_4 as N)	grab	
pH	grab/field	
Temperature	grab/field	
Unionized Ammonia	calculation	

3 Interpretation of Monitoring and Analytical Data

3.1 Influent Flow

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 (1988 m^3/d) occurred in April 2024 and was approximately 211% of the average day rated influent capacity.

The annual average daily flow for 2024 (506.82 m^3/d) was approximately 53.9% of the rated day capacity (940 m^3/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.

Figure 1 compares the monthly influent flow rates recorded in 2024 to the rated capacity of the plant.

3.1.1 Monthly Influent Flows

Table 5: Comparison of the Monthly Influent Flows to the Rated Capacity

2024	Total Influent Flow (m^3/d)	Average Daily Influent Flow (m^3/d)	% of the Avg. Capacity (940 m^3/d)	Maximum Influent Flow (m^3/d)
January	13,513	436	46%	524
February	14,374	496	53%	901
March	18,235	588	63%	870
April	23,623	787	84%	1,989
May	15,761	508	54%	633
June	14,627	488	52%	1,553
July	15,305	494	53%	813

2024	Total Influent Flow (m^3/d)	Average Daily Influent Flow (m^3/d)	% of the Avg. Capacity (940 m^3/d)	Maximum Influent Flow (m^3/d)
August	11,857	382	50%	479
September	13,994	466	50%	1,253
October	12,684	409	44%	527
November	15,457	515	55%	677
December	16,068	518	55%	1,117

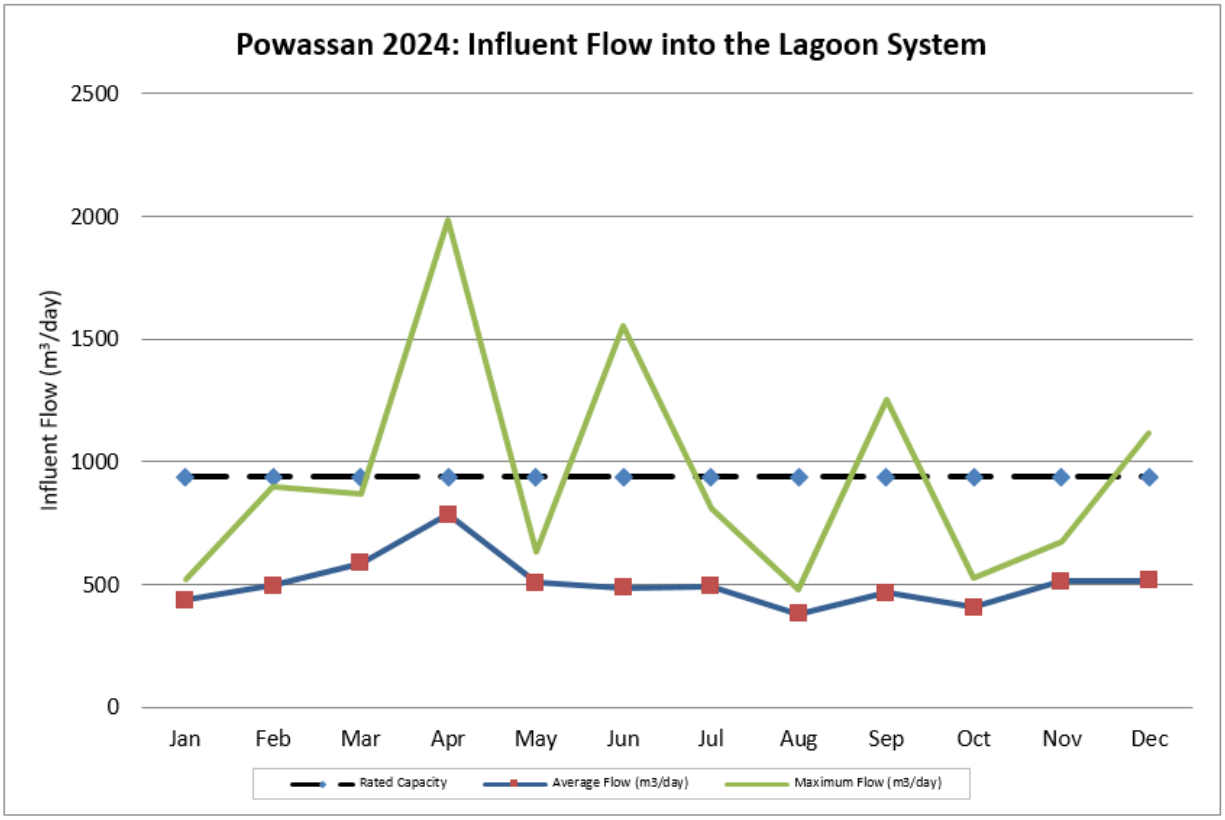

Figure 1 – 2024 Influent Flow

3.1.2 Annual Influent Flows

Table 6: Comparison of the Annual Influent Flow to the Rated Capacity

Design Capacity (m^3/day)	940	Maximum Flow Capacity (m^3/day)	N/A
2024 Average Flow (m^3/day)	507	2024 Maximum Flow (m^3/day)	N/A

Percent of Capacity (%)	53.9%	Percent of Capacity (%)	N/A
Total volume of wastewater treated in 2024		185,498m^3	

3.1.3 Historical Influent Flows

Table 7: Comparison of Historical Influent Flows (2013 to 2024)

Year	Total Influent Flow (m^3/d)	Average Day Flow (m^3/d)	Maximum Influent Flow (m^3/d)	% of the Avg. Capacity (940 m^3/d)
2024	185,497	506	1989	54%
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 2024 total raw sewage flow is slightly lower from the total raw sewage flow in 2023.

3.2 Effluent Flows

In 2024, 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 127,997 cubic meters (m^3). The total number of discharge days was 32 days beginning April 23 and ending May 24. Lagoons became ice free on March 27. 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 74,973 m^3. The total number of discharge days was 37 days beginning Oct. 17 and ending Nov. 22. 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 2024 was 202,970 m^3.

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

3.3 Influent (Raw Sewage) Quality

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.

This section summaries the annual average and annual maximum concentrations of analytical parameters for 2024.

Table 8: Influent Concentrations – Powassan Lagoon

Parameter	Annual Average	Annual Maximum
BOD_5 (mg/L)	206	475
TSS (mg/L)	162	340
TP (mg/L)	3.23	5.14
TKN (mg/L)	29	47

"<" means values include results that were less than the laboratory's method detection limit

3.4 Lagoon Cell Contents

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).

3.5 Effluent Quality

The Powassan sewage effluent quality is based on the carbonaceous biochemical oxygen demand ($cBOD_5$), total suspended solids (TSS), total phosphorus (TP), pH, total chlorine residual and *E.coli* levels . In 2024, the system produced a very good quality effluent which met the compliance limits specified in the system's ECA, except for TSS 25.8 mg/L (limit 25 mg/L) for fall discharge.

An annual summary of the final effluent parameter levels are shown in Table and an annual summary of the effluent loadings are presented in **Error! Reference source not found.**.

Table 9: Effluent Concentrations

Parameter	Spring Average	Fall Average	Compliance Limit	Objectives
$cBOD_5$ (mg/L)	6.8	7.5	25.0	20 (annual average)
TSS (mg/L)	18.20	25.8*	25	20 (annual average)
TP (mg/L)	0.22	0.24	1.0	0.8 (annual average)
Field pH Max	7.41	6.95	9.5	9.0
Field pH Min	6.46	6.60	6.0	6.5
Temperature (°C)	15.9	9.9	N/A	N/A
TAN (mg/L)	12.5	1.7	N/A	N/A
Un-ionized Ammonia (mg/L)	0.031	0.003	N/A	N/A
E.coli (cfu/100mL)	< 2	30	N/A	N/A

*Exceedance for TSS in Fall release

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.

cfu ≡ colony forming units.

3.6 Sewage Treatment Program Success and Adequacy

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 was TSS exceedance during the fall discharge. Lagoons were operated, sampled and monitored as per normal. The exceedance was reported to SAC on November 27. The reference number 1-DXZ6NK for the exceedance

The Performance Summary shows the efficiency of the plant performance through pollutant removal rates from raw sewage through to the final effluent.

Table demonstrates that the lagoon treatment process was very successful in decreasing the levels of BOD_5/$cBOD_5$, TSS and TP and fairly effective in reducing total ammonia (TKN/TAN) from the influent, producing a very good quality effluent.

Table 10: Performance Summary

Parameter	Influent *(annual average)*	Effluent *(annual average)*	% Removal
BOD_5/$cBOD_5$ (mg/L)	205	< 4.0	98%
TSS (mg/L)	162	23.68	85%
TP (mg/L)	3.23	0.28	91%
TKN/TAN (mg/L)	28.94	8.99	69%

"<" means values include results that were less than the laboratory's method detection limit.

NOTE: The annual average effluent data is calculated from the Old, South, and North Cells

4 Effluent Quality Assurance and Control Measures Undertaken

The following activities are included in regular operator and supervisory activities to assure high level performance of the sewage treatment operations including high effluent quality and accurate flow monitoring:

- Operational staff have current and appropriate level of certification for the operation of the facility and continue to learn and achieve knowledge of the process and equipment

Experienced staff has a high level of regulatory competence. New staff receives on-going training to achieve operational knowledge and regulatory competence.

- The pumping stations and the treatment lagoon are inspected by a certified OCWA operator regularly during the work week.
- Certified operators conduct daily reviews of selected data from continuous monitoring equipment which is captured by a remote monitoring system.
- In-house tests; pH, and temperature are conducted by licensed operators for monitoring purposes using standard methods for Water and Wastewater.
- Samples are collected as required and analyzed by SGS Laboratories located in Lakefield, Ontario. Analysis of the samples is conducted in accordance with the Standard Council of Canada (SCC), in cooperation with the Canadian Association for Laboratory Accreditation Inc. (CALA). Quality control procedures are method specific and include laboratory duplicate samples, spiked blanks and spiked duplicates.
- A sampling system which includes an excel developed sample calendar, which is updated at the beginning of each year, and a chain of custody binder are used to ensure all samples are collected as per the requirements identified in the system's ECA.
- Operations and Compliance staff review facility round sheets and laboratory reports to monitor the routine operation of the treatment system and ensure compliance with the ECA.
- All process and laboratory data is logged in a process data management system.
- Routine maintenance is scheduled and tracked to completion using OCWA's Workplace Maintenance System (WMS). Instrumentation equipment is tested and maintained as per manufacturer's recommendations.
- Certified operators monitor chemical usage and make adjustments as required.
- Ferric Sulphate batch chemical dosage prior to discharge and to achieve the necessary reductions in phosphorus concentrations.
- Any bypass, overflow or upset events that occur in the system are tested, monitored and reported to the local Health Unit and Spills Action Center (SAC) and local Health Unit.
- All flow and effluent quality data is reviewed by the Overall Responsible Operator and Compliance staff to identify any changes in concentrations and/or emerging trends. All non-compliances are reported to Ministry's Spills Action Center (SAC) and the local MECP inspector.
- The total discharge from each cell (effluent) is estimated and recorded by an established engineering technique based on the lagoon dimensions and drawdown.

The Powassan Lagoon has produced high quality effluent with only one objective exceedance for TSS.

5 Efforts Made to Meet Effluent Objectives

The Effluent Design Objectives are those levels of performance which can be achieved by treatment processes treating normal strength municipal sewage under optimum conditions. A sewage treatment facility should be able to produce annual average effluent quality approximately equal to the Effluent Design Objectives, but should not exceed the Effluent Compliance Limits. The objectives are used to promote continuous improvement in the operations of the works and to trigger corrective action before environmental impairment occurs.

OCWA uses a number of best efforts to achieve the Effluent Objectives.

- Certified operational staff have a high level of process knowledge and regulatory proficiency.
- Development of the sampling plan which meets or exceeds the minimum sample requirements as required in the ECA.
- 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 Laboratories, an accredited laboratory. OCWA reviews these results on a regular basis to confirm compliance with ECA objective and limits.
- In-house sampling and testing for selected operational parameters provides real-time results which are used to enhance process and operational performance.
- 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.
- 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
- 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.
- A five year rolling recommended capital and major maintenance report is used to assist the Owner and OCWA with planning infrastructure needs for the short and long terms. A letter summarizing capital work recommendations a provided to the Owner each year for their approval.

The systems' ECA requires a summary of efforts made to achieve the design objectives in the Approval, including an assessment of the issues and recommendations for proactive actions if any are required under the following situations:

- when any of the design objectives is not achieved more than 50% of the time in a year, or if there is an increasing trend in deterioration of final effluent quality;

All effluent objectives were met during the spring and fall discharge, except for TSS for fall release. The objective for carbonaceous biochemical oxygen demand ($cBOD_5$) is 20 mg/L, spring average was 6.8 mg/L and fall average was 7.5 mg/L. The objective for total suspended solids (TSS) is 20 mg/L, spring average was 18.20 mg/L and fall average was 25.6 mg/L. The objective was not met during the Fall discharge. The objective for total phosphorus (TP) is 0.8 mg/L, spring average was 0.22 mg/L and fall average was 0.24 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 7.41 and minimum was 6.46; therefore, objective met at all times, except for one sample on May 10 below 6.50. Fall discharge maximum was 6.95 and minimum was 6.60; therefore, objective met at all times.

Table 11: Effluent Concentration Objectives

Parameter	Spring Average	Fall Average	Objective	Averaging Period	Exceedance
$cBOD_5$ (mg/L)	6.8	7.5	20	Annual average	No
TSS (mg/L)	18.20	25.8*	20	Annual average	YES
TP (mg/L)	0.22	0.24	0.8	Annual average	No

Parameter	Spring	Fall	Objective	Averaging Period	Exceedance
pH	6.46 to 7.41	6.60-6.95	6.5 to 9.0	Inclusive	**Yes**

"<" means values include results that were less than the laboratory's method detection limit

6 Operating Problems & Corrective Actions

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 (MECP 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 2024 with no operational problems and met all limits and objectives except for TSS for Fall discharge under condition 7 of ECA. However, there were two spills events that occurred.

Operating problems encountered during 2024 are summarized below.

1. The Powassan sewage lagoon exceeded TSS Limits during fall discharge. Reference number 1-DXZ6NK. TSS seasonal discharge average was 25.8 mg/L and limit is 25 mg/L. The exceedance was reported to SAC on November 27. TSS has been higher in those cells in recent years as compared to previous years. After dredging, we suspect there is no longer an adequate sludge blanket at the bottom of the lagoon to process the wastewater.

2. 341 Edward Street Vicinity – A spill occurred when sewer was cut. The soil was removed using excavator and dumped on excavation soil pile. Contaminated soil was brought to landfill. Incident occurred on July 9 and reported to SAC. Reference number 1-8R34FT.

3. Manhole at end of Edward Street North- Gravity sanitary line was plugged with debris and grease buildup leading to a complete blockage in the sanitary line. A manhole subsequently began overflowing with the waste stream flowing into Genesee Creek in Powassan. The waste stream was super chlorinated with pucks. The approximate volume was 3.61 m^3.

7 Maintenance Procedures Performed on the Works

Routine maintenance schedules are entered in OCWA's computerized Workplace Management System (WMS). This is a comprehensive maintenance program that is based on a pro-active and

preventive approach. This program includes but is not limited to running weekly, monthly, and annually checks as required or as recommended by manufacturer's instructions. All routine and preventative maintenance was conducted in 2024.

Significant maintenance that took place during 2024:

- Replaced AMO and RPM meters on the generator
- Fabricated new guide rails for the discharge chamber valves at the north and south lagoons. Also fabricated grates to prevent turtles from plugging the discharge pipes
- Performed CCTV inspection of the Genesee Creek sanitary run.
- Clark St sewage pump station generator failed to run. Replaced the battery and battery charger.
- CCTV sewer on Birch St.

Refer to Appendix D for a maintenance summary which includes preventative work, capital projects and emergency repairs.

8 Calibration & Maintenance of all Monitoring Equipment

Influent and effluent monitoring equipment is calibrated based on requirements of the system's ECA or manufactures recommendations. Flow meters are calibrated annually to ensure a required accuracy of +/- 15%. pH meters are calibrated to ensure an acceptable tolerance and accuracy as specified by the manufacturer.

Routine maintenance was conducted as scheduled by qualified Instrumentation Technicians during the reporting period. Refer to Table for a summary of calibrations conducted in 2024

Table 12: Calibration Summary

Instrument	Calibration Dates	% Accuracy
Raw Flow Meter – Clark St SLS	September 13, 2024	100%
Raw Flow Meter – St Gregory SLS	September 13, 2024	93%

9 Sludge Management

During the 2024 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.

10 Abnormal Discharge Events

10.1 Overflow, Bypass and Spill Events

Two (2) spills also occurred during the 2024 reporting period:

1. Manhole at end of Edward Street North- Gravity sanitary line was plugged with debris and grease buildup leading to a complete blockage in the sanitary line. A manhole subsequently began overflowing with the waste stream flowing into Genesee Creek in Powassan. The waste stream was super chlorinated with pucks. The approximate volume was 3.61 m^3. The incident was reported on February 12. SAC reference number 1-4NFUT6. One grab sample of spill was taken.

2. 341 Edward Street Vicinity – A spill occurred when sewer was cut. The soil was removed using excavator and dumped on excavation soil pile. Contaminated soil was brought to landfill. Incident occurred on July 9 and reported to SAC. The approximate volume was 5m^3 No sample of the spilled material was collected due to the short duration of the event. (SAC Ref No. 1-8R34FT).

The events were reported to the Ministry of the Environment's Spills Action Center (SAC) as per the system's approval, to Environment Canada as required under the Federal Fisheries Act and to the local Health Unit.

10.2 Efforts Made to Reduce System Overflows and Bypasses

The Powassan Sewage Treatment Lagoon has operated below its annual average rated capacity of 940 m^3/day for the past several years. .

A review of historical data (2013 to 2024) indicates that all bypass and overflow events do not typically occur at the lagoon, but in the collections system during snow melt and heavy rain events.

In an effort to reduce and/or eliminate overflow, bypass and spill events and to confirm with Procedure F-5-1, the following are in place.

- Emergency backup generators sewage pump stations
- A SCADA system is used to accurately monitor the sewage network and an alarm system is in place at key points in the process and at the sewage pumping stations to alert operators of any issues; power failures, high levels, equipment failures, loss of communication and intrusion.
- Regular routine maintenance is performed to help reduce overflows/bypasses/spills events. For example: monthly generator tests to ensure the generator will start during a power failure and equipment will continue to operate normally, monthly alarm testing and equipment maintenance.
- Repairs to the collection system are done promptly as issues occur.

11 Complaints

No complaints were received during the reporting period.

12 Notice of Modifications on Sewage Works

No modifications made as a result of Schedule B, Section 1 in 2024.

No modifications made as a result of Schedule B, Section 3. No normal or emergency operational modifications were performed in 2024.

13 Proposed Alterations to the Works

No major alterations to the system are planned for 2025.

APPENDIX A
Lagoon Release Reports

RELEASE REPORT FOR THE POWASSAN LAGOONS

ORG # 5747

SPRING RELEASE YEAR 2024

UAL - Unreliable Age Limit Exceeded

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	27-Mar-24	28-Mar-24	24.0	48.00	8.04		1.03				
	South	27-Mar-24	28-Mar-24	31.0	33.00	8.16		0.46				
	Old											
TREATED	North	16-Apr-24	17-Apr-24	13.0	22.00	7.24		0.24				
	South	16-Apr-24	17-Apr-24	12.0	28.00	7.31		0.23				
	Old											
		DATE	DATE	$CBOD_5$	TSS	Field pH		TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
CELL South	1st Sample	23-Apr-24	24-Apr-24	10.00	16.00	6.77		0.08	9.0	9.8	0.010	2
DRAWDOWN	2nd Sample	29-Apr-24	30-Apr-24	4.00	21.00	6.65		0.06	10.3	9.8	0.008	2
	3rd Sample	03-May-24	04-May-24	7.00	11.00	6.80		0.08	14.0	9.5	0.017	2
	4th Sample	07-May-24	08-May-24	5.00	18.00	7.41		0.09	20.3	8.9	0.092	2
	5th Sample	10-May-24	11-May-24	8.00	51.00	6.46		0.31	19.2	10.4	0.011	2
	6th Sample											
		DATE	DATE	$CBOD_5$	TSS	Field pH		TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
CELL North	1st Sample	10-May-24	11-May-24	4.00	11.00	6.85		0.23	16.8	13.5	0.030	2
DRAWDOWN	2nd Sample	13-May-24	14-May-24	4.00	12.00	6.66		0.29	17.2	13.0	0.019	2
	3rd Sample	17-May-24	18-May-24	10.00	16.00	6.80		0.42	18.9	14.60	0.034	2
	4th Sample	21-May-24	22-May-24	10.00	15.00	6.85		0.35	20.8	16.60	0.049	2
	5th Sample	24-May-24	25-May-24	6.00	11.00	6.93		0.26	12.7	18.50	0.036	2
	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											

	$CBOD_5$	TSS	Field pH	Field pH	TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
South Cell#1 AVG CONC OVER DISCHARGE PERIOD	6.8	23.4	6.5	7.4	0.1	14.6	9.7	0.03	2.0
North Cell #2 AVG CONC OVER DISCHARGE PERIOD	6.8	13.00	6.66	6.93	0.3	17.3	15.24	0.03	2
Old Cell #3 AVG CONC OVER DISCHARGE PERIOD	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!
Seasonal Avg Conc OVER Spring DISCHARGE PERIOD	6.8	18.20	6.46	7.41	0.22	15.9	12.5	0.031	2.0
Seasonal Concentration Limits per Powassan Lagoon C of A	25.0	25.0	6.00 min	9.50 max	1.00				

NOTES/COMMENTS

Averages calculated following WSER protocol.

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

Cell #1 = South Cell = 3.60 HA x 1.8 m depth = 70,250 m^3

Cell #2 = North Cell = 3.60 HA x 1.8 m depth = 70,250 m^3

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

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 tested at least 1 time per discharge (or bi-weekly if discharge >30 days)

WSER requirements: CBOD5 is to 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**	**23-Apr-24**	**AMOUNT OF CHEMICAL USED**	**3409.52 IMPG**
DATE RELEASE STOPPED:		**10-May-24**	**DISCHARGE VOLUME**	
# of Discharge Days		**18**		**treated on April 11, 2024**
Approximate Daily Flow (m^3/d)				
DATE RELEASE STARTED:	**CELL#2 North**	**10-May-24**	**AMOUNT OF CHEMICAL USED**	**3409.52 IMPG**
DATE RELEASE STOPPED:		**24-May-24**	**DISCHARGE VOLUME**	
# of Discharge Days		**15**		**treated on April 11, 2024**
Approximate Daily Flow (m^3/d)				
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 **32**

* the lagoons became ice free on : 27-Mar-24

TOTAL LAGOON EFFLUENT VOLUME DISCHARGE (m^3) : **127,997**

60 days after: 25-May-24

RELEASE REPORT FOR THE POWASSAN LAGOONS

ORG # 5747

Fall RELEASE YEAR 2024

UAL - Unreliable Age Limit Exceeded

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											
	South	12-Sep-24	13-Sep-24	14.0	21.00	7.62		1.50				
	Old	12-Sep-24	13-Sep-24	4.0	6.00	7.62		0.32				
TREATED	North											
	South											
	Old											

		DATE	DATE	$CBOD_5$	TSS	Field pH		TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
CELL South	1st Sample	31-Oct-24	01-Nov-24	<4	8.00	6.78		0.09	12.8	<0.1	<0.001	6
DRAWDOWN	2nd Sample	05-Nov-24	06-Nov-24	<4	8.00	6.87		0.12	11.5	0.1	<0.001	4
	3rd Sample	12-Nov-24	13-Nov-24	5.00	20.00	6.73		0.22	6.4	0.5	<0.001	100
	4th Sample	19-Nov-24	20-Nov-24	5.00	37.00	6.76		0.26	8.0	1.4	0.001	86
	5th Sample	22-Nov-24	23-Nov-24	16.00	96.00	6.71		0.68	8.3	3.3	0.003	200
	6th Sample											

		DATE	DATE	$CBOD_5$	TSS	Field pH		TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
CELL North	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 Old	1st Sample	17-Oct-24	18-Oct-24	<4	5.00	6.60		0.10	11.90	0.90	<0.001	<2
DRAWDOWN	2nd Sample	21-Oct-24	22-Oct-24	<4	4.00	6.75		0.10	14.90	1.20	0.002	16.00
	3rd Sample	24-Oct-24	25-Oct-24	4.0	5.00	6.72		0.21	12.00	1.60	0.002	16.00
	4th Sample	28-Oct-24	29-Oct-24	<4	34.00	6.95		0.24	6.40	2.40	0.003	62.00
	5th Sample	31-Oct-24	1-Nov-24	<4	41.00	6.89		0.42	6.89	3.50	0.007	<2
	6th Sample											

	$CBOD_5$	TSS	Field pH	Field pH	TP	Field Temp.	TAN	Unionized Ammonia	Ecoli
South Cell#1 AVG CONC OVER DISCHARGE PERIOD	8.7	33.8	6.7	6.9	0.3	9.4	1.3	0.00	33.4
North Cell #2 AVG CONC OVER DISCHARGE PERIOD	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!
Old Cell #3 AVG CONC OVER DISCHARGE PERIOD	4.0	17.800	6.60	6.95	0.21	10.42	1.92	0.00	25.131045
Seasonal Avg Conc OVER Spring DISCHARGE PERIOD	7.5	25.80	6.60	6.95	0.24	9.9	1.7	0.003	30.0
Seasonal Concentration Limits per Powassan Lagoon C of A	25.0	25.0	6.00 min	9.50 max	1.00				

NOTES/COMMENTS

Averages calculated following WSER protocol.

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

Cell #1 = South Cell = 3.60 HA x 1.8 m depth = 70,250 m^3

Cell #2 = North Cell = 3.60 HA x 1.8 m depth = 70,250 m^3

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

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 tested at least 1 time per discharge (or bi-weekly if discharge >30 days)

WSER requirements: CBOD5 is to 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**	**31-Oct-24**	**AMOUNT OF CHEMICAL USED**	
DATE RELEASE STOPPED:		**22-Nov-24**	**DISCHARGE VOLUME**	
# of Discharge Days		**23**		**treated on**
Approximate Daily Flow (m^3/d)				
DATE RELEASE STARTED:	**CELL#2 North**		**AMOUNT OF CHEMICAL USED**	**1500 IMPG**
DATE RELEASE STOPPED:			**DISCHARGE VOLUME**	
# of Discharge Days				**treated on September 24, 2024**
Approximate Daily Flow (m^3/d)				
DATE RELEASE STARTED:	**CELL #3 Old**	**17-Oct-24**	**AMOUNT OF CHEMICAL USED**	**500 IMPG**
DATE RELEASE STOPPED:		**31-Oct-24**	**DISCHARGE VOLUME**	
# of Discharge Days		**15**		**treated on September 24, 2024**
Approximate Daily Flow (m^3/d)				

Tot.# of Spring discharge days **38**

* the lagoons became ice free on :

TOTAL LAGOON EFFLUENT VOLUME DISCHARGE (m^3) : **74,973**

60 days after:

APPENDIX B
Raw (Influent) Sample Data

Customized Monthly Report

From 01/01/2024 to 12/31/2024

Facility Name: POWASSAN WASTEWATER TREATMENT LAGOON
Receiver: Genesse Break to South River to South Bay of Lake Nippissing

Facility Org Number: 5747
Facility Owner: Municipality: The Corporation of the Municipality of Powassan
Service Population: 1100

Works: 110000613
Facility Classification: Class 1 Wastewater Treatment
Total Design Capacity: 940 m3/day

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

														2024			
Raw	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024	Nov 2024	Dec 2024	Total	Avg	Max	Min
Biochemical Oxygen Demand: BOD5 - mg/L																
Count	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	13.00			
Lab Count	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	13.00			
Lab Month.Max	134.00	151.00	149.00	475.00	143.00	146.00	200.00	214.00	128.00	187.00	326.00	245.00			475.00	
Lab Month.Mean	134.00	119.50	149.00	475.00	143.00	146.00	200.00	214.00	128.00	187.00	326.00	245.00		198.92		
Lab Month.Min	134.00	88.00	149.00	475.00	143.00	146.00	200.00	214.00	128.00	187.00	326.00	245.00				88.00
Flow - m^3/d																
IH Edited Count	31.00	29.00	31.00	30.00	31.00	30.00	31.00	31.00	30.00	31.00	30.00	31.00	366.00			
IH Month.Max	523.90	900.50	869.90	1988.70	633.30	1553.52	812.60	478.70	1283.70	526.60	676.50	1116.80			1988.70	
IH Month.Mean	435.89	495.64	588.22	787.42	508.41	487.58	493.72	382.49	466.45	409.17	515.25	518.33		506.82		
IH Month.Min	384.80	415.20	494.00	528.70	432.00	392.10	394.50	345.80	353.30	313.20	418.00	356.40				313.20
IH Month.Total	13512.50	14373.50	18234.80	23622.50	15760.80	14627.42	15305.40	11857.30	13993.61	12684.40	15457.40	16068.10	185497.73			
Total Kjeldahl Nitrogen: TKN - mg/L																
Count	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	13.00			
Lab Count	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	13.00			
Lab Month.Max	13.50	42.30	25.90	37.00	23.80	10.40	37.30	39.20	42.00	24.40	16.60	46.50			46.50	
Lab Month.Mean	13.50	30.70	25.90	37.00	23.80	10.40	37.30	39.20	42.00	24.40	16.60	46.50		29.08		
Lab Month.Min	13.50	19.10	25.90	37.00	23.80	10.40	37.30	39.20	42.00	24.40	16.60	46.50				10.40
Total Phosphorus: TP - mg/L																
Lab Count	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	13.00			
Lab Month.Max	1.35	4.61	2.08	4.68	2.32	1.21	4.65	4.54	4.47	3.42	1.75	5.14			5.14	
Lab Month.Mean	1.35	3.19	2.08	4.68	2.32	1.21	4.65	4.54	4.47	3.42	1.75	5.14		3.23		
Lab Month.Min	1.35	1.77	2.08	4.68	2.32	1.21	4.65	4.54	4.47	3.42	1.75	5.14				1.21
Total Suspended Solids: TSS - mg/L																
Count	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	13.00			
Lab Count	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	13.00			
Lab Month.Max	195.00	167.00	120.00	340.00	195.00	70.00	154.00	126.00	196.00	134.00	114.00	190.00			340.00	
Lab Month.Mean	195.00	110.00	120.00	340.00	195.00	70.00	154.00	126.00	196.00	134.00	114.00	190.00		158.00		
Lab Month.Min	195.00	53.00	120.00	340.00	195.00	70.00	154.00	126.00	196.00	134.00	114.00	190.00				53.00

APPENDIX C
Bypass/Overflow Sample Data

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Works #: 110000613
Project : PO#017470

20-February-2024

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. : 14 February 2024
LR Report: **CA13601-FEB24**

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	6: Raw Raw-Raw Sewage Influent (manhole spill)
Sample Date & Time					12-Feb-24 16:45
Sampled By					Dan Finnigan
Temperature Upon Receipt [°C]	---	---	---	---	5.0
Biochemical Oxygen Demand (BOD5) [mg/L]	15-Feb-24	17:27	20-Feb-24	15:21	88
Total Suspended Solids [mg/L]	15-Feb-24	07:39	15-Feb-24	15:06	53
Phosphorus (total) [mg/L]	14-Feb-24	16:08	15-Feb-24	13:01	1.77
Total Kjeldahl Nitrogen [as N mg/L]	14-Feb-24	18:26	15-Feb-24	10:23	19.1
E. Coli [cfu/100mL]	14-Feb-24	11:43	16-Feb-24	08:33	3200000

Carrie Greenlaw
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003625489

APPENDIX D
Maintenance Summary

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
3719543	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	1/1/24 12:00 AM	1/29/24 10:01 AM	1/29/24 10:01 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 - January 09 and 26, 2024. 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=175 Deg.F Battery Voltage= 12.0 V Oil Pressure 59 psi Hrs at start: 537.9 Hrs at stop: 538.3
3727278	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	1/1/24 12:00 AM	1/10/24 02:33 PM	1/10/24 02:33 PM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon on December 08, 2024. 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.
3727295	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	1/1/24 12:00 AM	1/10/24 02:34 PM	1/10/24 02:34 PM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon on December 08, 2024. 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.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
3727329	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	1/1/24 12:00 AM	1/10/24 02:36 PM	1/10/24 02:36 PM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon on December 08, 2024. 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.
3727365			5747, Powassan WWTL	OPER	HEALTH AND SAFETY	1	YEARS	WHMIS/MSDS/NSF Review And Update (1y) 5747	CLOSE	1/1/24 12:00 AM	5/1/24 03:31 PM	5/1/24 03:31 PM	WHMIS/MSDS/NSF Review And Update (1y) 5747 -Reviewed status of SDS sheets, updated as required.
3727469			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	1/1/24 12:00 AM	1/29/24 09:44 AM	1/29/24 09:44 AM	Health And Safety Inspection (1m) 5747 - Dan Finnigan conducted the monthly H&S Inspection on January 26, 2024which 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
3727497			5747, Powassan WWTL	OPER	Inspection	1	YEARS	Daily O&M Activities (1y) 5747	COMP	1/1/24 12:00 AM	1/16/25 09:12 AM	1/16/25 09:12 AM	

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
3727533			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	1/1/24 12:00 AM	1/29/24 09:39 AM	1/29/24 09:39 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Curtis Green on January 19, 2024. 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. 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.
3727543			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	1/1/24 12:00 AM	1/29/24 10:03 AM	1/29/24 10:03 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on January 26, 2024. 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.
3732323			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	1/1/24 12:00 AM	1/10/24 11:23 AM	1/10/24 11:23 AM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of December 2023 was completed on January 10, 2024 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
3762809			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS Communication Lost Alarm	CLOSE		1/13/24 09:30 PM	1/14/24 12:45 AM	Powassan Clark Street SPS Communication Lost Alarm -Received WIN911 Communications Lost Alarm. Inspected station and assessed Outpost Panel with normal function. Reviewed Wonderware trending for Clark Street SPS with data interruption occurring @ 2126 hours restoring @ 2201 hours. No further issues.
3765571			5747, Clark SPS, Facility	CAP	Refurbish/ Replace/Repair	0		Powassan Clark St. Generator Gauges	CLOSE		3/20/24 09:15 AM	3/20/24 09:15 AM	Generator Amp meter and RPM gauge -Parts for this generator are getting harder to find due to the age of the unit. Val's Equipment is in contact with suppliers and trying to track down correct gauges or direct replacement gauges. PO#3765571 will be used if replacements can be procured and installed. If the parts are not able to be sourced, this PO will be cancelled. Powassan Clark St. Generator Gauges -On March 05, 2024 Gary from Val's Equipment replaced the generator gauges at the Clark Street Lift Station with new ones.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
3774389	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	2/1/24 12:00 AM	2/29/24 01:52 PM	2/29/24 01:52 PM	Diesel Generator Inspection/ Functional Test (1m) 5747 - February 28, 2024. 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=170 Deg.F Battery Voltage= 12.2 V Oil Pressure 59 psi Hrs at start: 542.3 Hrs at stop: 542.3
3779741	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	2/1/24 12:00 AM	2/12/24 01:11 PM	2/12/24 01:11 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 February 06, 2024. 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.
3779751	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	2/1/24 12:00 AM	2/12/24 01:12 PM	2/12/24 01:12 PM	

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
3779773	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	2/1/24 12:00 AM	2/12/24 01:13 PM	2/12/24 01:13 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 February 06, 2024. 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.
3779791			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	2/1/24 12:00 AM	2/29/24 01:53 PM	2/29/24 01:53 PM	Health And Safety Inspection (1m) 5747 - Dan Finnigan conducted the monthly H&S Inspection on February 28, 2024which 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
3779802			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	2/1/24 12:00 AM	2/29/24 01:55 PM	2/29/24 01:55 PM	

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM
Report End Date: Dec 31, 2024 11:59 PM
Location: 5747*
Work Order Type: ADMIN,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
3779812			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	2/1/24 12:00 AM	2/29/24 01:58 PM	2/29/24 01:58 PM	Critical Alarm/Dialer Testing (1m) 5747 - February 12, 2024 This was an actual event that triggered the High Wet Well Level alarm when a flusher truck unplugged a sanitary service line. The resulting inrush of a high volume of water caused an immediate rise in the wet well level to alarm conditions. Both pumps engaged to bring down the level within minutes and the alarm condition was restored.
3782984			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	2/1/24 12:00 AM	2/12/24 01:07 PM	2/12/24 01:07 PM	
3805255			5747, Clark SPS	CALL	Inspection	0		5947 Powassan Clark Street SPS Communication Lost Alarm	CLOSE		2/9/24 07:45 PM	2/9/24 08:15 PM	

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
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Location:	5747*
Work Order Type:	ADMIN,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
3805780			5747, Powassan WWTL	CALL	Compliance	0		Powassan Sanitary Overflow / Spill response	CLOSE		2/12/24 03:35 PM	2/13/24 04:00 PM	Powassan Sanitary Overflow / Spill response - Monday February 12, 2024 15:35--Notified by Powassan Public Works of possible spill from overflowing manhole. Leaving North Bay for Powassan 16:30--Put out chlorine pucks in path of overflowing manhole sewage (draining into Genesee Creek) 16:45--Collected sample from manhole spill 17:08--Notified SAC (Incident No.# 1-4NFUT6) about spill 17:17--Called MOH and left message with answering service 17:20--Truck onsite to pump down upstream manhole. Overflowing manhole stopped within 3 minutes of pumping. 17:23--Spoke with James Mlotshwa (MOH) about spill and response 18:20--Muskoka Hydrovac truck onsite to begin flushing sanitary lines, etc. 19:05--Received and acknowledged Clark Street high level alarm (followed by restoral) following flushing of upstream sanitary lines and debris / grease blockage removal. 20:19--Called back SAC as per instructions to give an update on manhole spill Tuesday February 13, 2024 15:55--emailed completed Incident Response form to all interested parties

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

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Work Order Type:	ADMIN,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
3816858	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	3/1/24 12:00 AM	3/20/24 09:05 AM	3/20/24 09:05 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 -March 19, 2024. 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: *Note: The generator only started on the 13th attempt. RPM's= 1800 Oil Level = Full Coolant Temp=178 Deg.F Battery Voltage= 12.0 V Oil Pressure 61 psi Hrs at start: 543.6 Hrs at stop: 544.0
3823146			5747, Powassan WWTL	PM	Inspection	1	YEARS	Electrical Equipment Inspection/ Service (1y) 5747	CLOSE	3/1/24 12:00 AM	11/14/24 10:35 AM	11/14/24 10:35 AM	ESA Inspection - Inspection complete with no deficiencies.
3823156	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	3/1/24 12:00 AM	3/20/24 02:30 PM	3/20/24 02:30 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 March 04 and March 15, 2024. 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.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
3823166	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	3/1/24 12:00 AM	3/20/24 02:30 PM	3/20/24 02:30 PM	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 March 04 and March 15, 2024. 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.
3823188	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	3/1/24 12:00 AM	3/20/24 02:32 PM	3/20/24 02:32 PM	
3823206			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	3/1/24 12:00 AM	3/20/24 09:08 AM	3/20/24 09:08 AM	Health And Safety Inspection (1m) 5747 - Dan Finnigan conducted the monthly H&S Inspection on March 19, 2024which 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

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM
Report End Date: Dec 31, 2024 11:59 PM
Location: 5747*
Work Order Type: ADMIN,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
3823217			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	3/1/24 12:00 AM	3/20/24 09:10 AM	3/20/24 09:10 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on March 19, 2024. 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.
3823224			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	3/1/24 12:00 AM	3/20/24 09:21 AM	3/20/24 09:21 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on March 19, 2024. 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.
3826471			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	3/1/24 12:00 AM	3/20/24 05:30 PM	3/20/24 05:30 PM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of February 2024 was completed on March 20, 2024 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
3862165	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	4/1/24 12:00 AM	4/15/24 09:47 AM	4/15/24 09:47 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 - April 09, 2024. 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: *Note: The generator only started on the 5th attempt. RPM's= 1800 Oil Level = Full Coolant Temp=180 Deg.F Battery Voltage= 11.7 V Oil Pressure 61 psi Hrs at start: 544.0 Hrs at stop: 544.4
3869291	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	4/1/24 12:00 AM	4/15/24 09:38 AM	4/15/24 09:38 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 April 09, 2024. 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.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
3869308	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	4/1/24 12:00 AM	4/15/24 09:39 AM	4/15/24 09:39 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 April 09, 2024. 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.
3869353	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	4/1/24 12:00 AM	4/15/24 09:40 AM	4/15/24 09:40 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 April 09, 2024. 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.
3869476			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	4/1/24 12:00 AM	4/15/24 09:42 AM	4/15/24 09:42 AM	Health And Safety Inspection (1m) 5747 - Dan Finnigan conducted the monthly H&S Inspection on April 09, 2024which 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

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM
Report End Date: Dec 31, 2024 11:59 PM
Location: 5747*
Work Order Type: ADMIN,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
3869525			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	4/1/24 12:00 AM	4/15/24 09:43 AM	4/15/24 09:43 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on April 09, 2024. 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.
3869530			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	4/1/24 12:00 AM	4/15/24 09:49 AM	4/15/24 09:49 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on Arpil 09, 2024. 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.
3873891			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	4/1/24 12:00 AM	4/15/24 09:58 AM	4/15/24 09:58 AM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of March 2024 was completed on April 10, 2024 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.
3900048			Powassan Wastewater Treatment Lagoon	OPER	Predictive Maintenance	0		Powassan Spring 2024 Lagoon Treatment	CLOSE		6/6/24 08:03 AM	6/6/24 08:03 AM	- treat north cell with 10 loads of ferric, treat south cell with 8 loads of ferric. TF april 11/24

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

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Work Order Type:	ADMIN,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
3901505			5747, Clark SPS, Facility	CALL	Compliance	0		Powassan Clark St. Stn Comm Loss & High Wet Well Alarms	CLOSE		4/11/24 09:15 PM	4/11/24 11:59 PM	Powassan Clark St. Stn Comm Loss & High Wet Well Alarms - 21:15--Received an acknowledged win 911 alarm for loss of communication at 250 Clark St. 21:16--Logged onto Wonderware remotely: no data available due to communication loss and power outage. A site visit will be required. Suspect back up generator did not start. 21:51--Received and acknowledged Telus alarms for Clark Street, wet well high-level 22:12--Received an acknowledged, when 911 alarm for Clark Street high wet, well level alarm. Suspect power has been restored, including win 911 alarming. 22:15--Arrived at Clark Street station. Checked wet well level: wet, well level is approximately 7 feet below overflow. Both sewage pumps are running, and power has been restored to the building. Generator is an alarm for failed to start. There is no evidence that the wet well level reached the overflow level. Will monitor remotely through Wonderware 22:46--Received an acknowledged win 911 alarm for Clark Street high Wet well level 22:56--Confirmed wet well is back to normal operating levels. Both pumps have shut off in auto. No further action is required.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM
Report End Date: Dec 31, 2024 11:59 PM
Location: 5747*
Work Order Type: ADMIN,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
3901660			5747, Clark SPS	CALL	Compliance	0		Powassan Clark Street High Wet Well Level Alarm	CLOSE		4/12/24 07:06 PM	4/12/24 11:00 PM	Powassan Clark Street High Wet Well Level Alarm - 19:06--Received Telus Alarms notification for Clark Street Wet Well Level alarm 19:59--Received WIN911 Alarm for Wet Well High Level 20:00--Logged onto Wonderware to check trending, etc. Both pumps running with output of approximately 1700 L/min, and wet well level is 8.13 meters. Will monitor remotely. 20:45--Received WIN911 Alarm for Wet well High Level again but well level is only 7.53 meters. Will monitor remotely. 23:00--Logged onto Wonderware to check trending, etc. Wet Well Level back down to normal operations and all alarms have reset. No further action required.
3901661			5747, Clark SPS	CALL	Compliance	0		Powassan Clark Street High Wet Well Level Alarm	CLOSE		4/13/24 11:40 AM	4/13/24 02:00 PM	Powassan Clark Street High Wet Well Level Alarm - 11:40--Received notification from Telus alarms for Clark Street High Wet Well Level alarm 12:15--Logged onto Wonderware to check trending and operations: both pumps running with good output (1670 L/min). Wet well level rising very slowly (currently at approximately 5.13 meters). Will monitor remotely. 14:00--Logged onto Wonderware to check trending, etc. Wet Well Level back down to normal operations and all alarms have reset. No further action required

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM
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Location: 5747*
Work Order Type: ADMIN,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
3902847			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS Communication Lost Alarm	CLOSE		4/18/24 06:30 PM	4/18/24 07:30 PM	Powassan Clark Street SPS Communication Lost Alarm - Received WIN911 Communication Lost Alarm. Inspection of Clark Street SPS with equipment functional. No further issues.
3915267	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	5/1/24 12:00 AM	5/13/24 10:16 AM	5/13/24 10:16 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 -May 09, 2024. 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: *Note: The generator only started on the 7th attempt. RPM's= 1790 Oil Level = Full Coolant Temp=178 Deg.F Battery Voltage= 11.9 V Oil Pressure 60 psi Hrs at start: 544.5 Hrs at stop: 544.9
3921872	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	5/1/24 12:00 AM	5/13/24 10:07 AM	5/13/24 10:07 AM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon with multiple visits while the Spring Release was ongoing. 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.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
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Work Order Type:	ADMIN,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
3921897	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	5/1/24 12:00 AM	5/13/24 10:08 AM	5/13/24 10:08 AM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon with multiple visits while the Spring Release was ongoing. 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.
3921919	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	5/1/24 12:00 AM	5/13/24 10:09 AM	5/13/24 10:09 AM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon with multiple visits while the Spring Release was ongoing. 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.
3921937			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	5/1/24 12:00 AM	5/13/24 10:10 AM	5/13/24 10:10 AM	Health And Safety Inspection (1m) 5747 - Dan Finnigan conducted the monthly H&S Inspection on May 09, 2024which 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

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

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

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WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3921960			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	5/1/24 12:00 AM	5/13/24 10:12 AM	5/13/24 10:12 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on May 09, 2024. 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.
3921965			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	5/1/24 12:00 AM	5/13/24 10:17 AM	5/13/24 10:17 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on May 09, 2024. 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.
3924899			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	5/1/24 12:00 AM	5/8/24 09:53 AM	5/8/24 09:53 AM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of April 2024 was completed on May 08, 2024 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

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Work Order Type: ADMIN,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
3947662			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS Communication Loss Alarm	CLOSE		5/2/24 05:15 AM	5/2/24 06:00 AM	Powassan Clark Street SPS Communication Loss Alarm - Received WIN911 Communication Loss Alarm for Clark Street SPS. Received WIN911 Communication Loss Alarm for Clark Street SPS. Station inspection observing equipment functional.
3962797	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	6/1/24 12:00 AM	7/23/24 08:09 AM	7/23/24 08:09 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 -Curtis Green conducted the monthly generator test / work order on June 17, 2024. He noted the generator had a hard time starting and would contact Val's Equipment for further diagnosis. Gauge reading and fluid levels, betls, etc. were observed and found to be in proper conditon and/or levels.
3969951	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	6/1/24 12:00 AM	7/23/24 08:26 AM	7/23/24 08:26 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 24, 2024. 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.
3969961	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	6/1/24 12:00 AM	7/23/24 08:27 AM	7/23/24 08:27 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 24, 2024. 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.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
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Work Order Type:	ADMIN,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
3969983	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	6/1/24 12:00 AM	7/23/24 08:28 AM	7/23/24 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 June 24, 2024. 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.
3969998			5747, Powassan WWTL	OPER	Compliance	1	YEARS	Facility Emergency Plan Review (1y) 5747	CLOSE	6/1/24 12:00 AM	8/27/24 02:48 PM	8/27/24 02:48 PM	Facility Emergency Plan Review (1y) 5747 -Reviewed and updated all sections on August 27, 2024
3970002			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	6/1/24 12:00 AM	7/30/24 01:38 PM	7/30/24 01:38 PM	Health And Safety Inspection (1m) 5747 -Curtis Green conducted the monthly H&S Inspection on Monday June 17, 2024. He reported all equipment to be in good working order
3970013			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	6/1/24 12:00 AM	7/23/24 08:11 AM	7/23/24 08:11 AM	TPM Inspection/Maintenance (1m) 5747 -Curtis Green conducted the monthly TPM work order on June 17, 2024. 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. 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.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
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Location:	5747*
Work Order Type:	ADMIN,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
3970018			5747, Powassan WWTL	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Inspection (1y) 5747	CLOSE	6/1/24 12:00 AM	11/1/24 06:08 PM	11/1/24 06:08 PM	WISKI Review (1m) for the month of September 2024 was completed on November 1, 2024 by Dan Finnigan. -October 10, 2024: Fairview St. Lift Station (St. Gregory) was inspected by OCWA staff. There was no unusual issues identified. Both pumps were tested and found to be in good working order. October 25, 2024: Clark Street Lift Station was inspected and cleaned with a contractor and OCWA staff. All debris and, rags, and grit were removed, both pumps were tested and found to be in good working condition.
3970022			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	6/1/24 12:00 AM	7/23/24 08:23 AM	7/23/24 08:23 AM	Critical Alarm/Dialer Testing (1m) 5747 -An actual high wet level event on June 23, 2024 triggered the Telus alarm and WIN911 notification. Starting at 02:26 on July 23, a significant rain event caused the wet well level to rise to both the Telus and the WIN911 alarm setpoints multiple time. There was no overflow as both sewage pumps kept the level to below overflow. This confirmed the alarm system and notification was working.
3973274			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	6/1/24 12:00 AM	8/7/24 09:38 PM	8/7/24 09:38 PM	WISKI Review (1m) 5747 - Monthly Raw sewage data was entered and lab reports reviewed. *Note: lagoon release data still needs to be input WISKI Review (1m) 5747 -Calculated and entered Lagoon Release Data

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

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Work Order Type:	ADMIN,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
3997524			5747, Powassan WWTL, Process	CAP	Refurbish/ Replace/Repair	0		Powassan Lagoon Discharge Chamber Valve Repairs	CLOSE		6/13/24 10:34 AM	6/13/24 10:34 AM	Powassan Lagoon Discharge Chamber Valve Repairs - Repair corroded valves in discharge boxes of both north and south cells.
4000284			Powassan Wastewater Treatment Lagoon	CAP	Inspection	0		Powassan CCTV Genesee Creek Sanitary and Birch St Sanitary	CLOSE		8/7/24 03:23 PM	8/7/24 03:23 PM	Powassan CCTV Genesee Creek Sanitary - Provide CCTV services: Inspect 400 m of 250 mm sewage main from manhole (MH) 19 Main and Valley View to MH 12 Clark St Pump station. camera sewer main - Camera sewer under and along genesee creek from manhole 19-16. obstruction in pipe to manhole 15 prevented the camera from passing and actually cut flusher nozzle. unable to gain access to manhole 15 due to road conditions. tried to camera from mh 12 but only able to get in 1.5m due to gasket from pipe. TF June 27,2024

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

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Work Order Class:	

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WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4001184	0000235352	PANEL BREAKER 02 600v POWASSAN WWTL:FAIRVIEW PS	5747, Powassan WWTL, Facility	CALL	Compliance	0		Powassan Sewage Clark Street High Wet Well Level Alarm	CLOSE		6/23/24 02:26 AM	6/23/24 09:15 AM	Powassan Sewage Clark Streeet High Wet Well Level Alarm - 02:26--Received Telus High Wet Well Level Alarm 03:09--Received WIN911 High Wet Well Alarm 03:25--Logged onto Wonderware to review trending and operations: -local rain event has raised the wet well level to blanking range followed by reduction in level -both sewage pumps working normally -sustained rain event in forecast: will monitor remotely 06:15--Received repeat WIN911 High Wet Well Level Alarm followed by system restore. 06:45--Received repeat WIN911 High Wet Well Level Alarm followed by system restore. 07:00--Logged onto Wonderware to review trending and operations: -local rain event has slowed down but precipitation continues -both sewage pumps working normally and has reduced wet well level several times -sustained rain event in forecast: will monitor remotely 08:27--Received Telus High Wet Well Level Alarm 08:30--Logged onto Wonderware to review trending and operations: -local radar shows rain event has currently ended with continued precipitation in the near forecast -will contact Darren Aljoe for continued response but suspect major portion of rain event has ended

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

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4001315			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	CLOSE		6/23/24 09:15 AM	6/23/24 11:15 AM	Powassan Clark Street SPS High Level Alarm - Contacted by Dan Finnigan regarding repeat Telus and WIN911 High Wet Well Level Alarming with eventual restoration due to precipitation event. Inspection of Wet Well observing level approximately 1.5 metres below Overflow with no indication of station Bypassing.
4001321			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	CLOSE		6/23/24 11:30 AM	6/23/24 03:30 PM	Powassan Clark Street SPS High Level Alarm - Received WIN911 High Wet Well Level Alarm followed by system restore. Received repeat WIN911 High Wet Well Level Alarm followed by system restore. Inspection of Wet Well observing Level approximately 1.0 metre from Overflow with no indication of Bypassing. Precipitation event subsided shortly after with system restoration.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

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4012254	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	7/1/24 12:00 AM	7/30/24 01:41 PM	7/30/24 01:41 PM	Diesel Generator Inspection/ Functional Test (1m) 5747 -July 23, 2024. 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: *Note: The generator only started on the 5th attempt. RPM's= 1790 Oil Level = Full Coolant Temp=178 Deg.F Battery Voltage= 12.0 V Oil Pressure 58 psi Hrs at start: 545.5 Hrs at stop: 545.8
4018123	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	7/1/24 12:00 AM	7/22/24 10:28 AM	7/22/24 10:28 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 16, 2024. 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.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

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4018133	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	7/1/24 12:00 AM	7/22/24 10:29 AM	7/22/24 10:29 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 16, 2024. 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.
4018167	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	7/1/24 12:00 AM	7/22/24 10:31 AM	7/22/24 10:31 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 July 16, 2024. 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.
4018266			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	7/1/24 12:00 AM	7/30/24 01:43 PM	7/30/24 01:43 PM	
4018305			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	7/1/24 12:00 AM	7/30/24 01:45 PM	7/30/24 01:45 PM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on July 23, 2024. 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.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

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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
4018310			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	7/1/24 12:00 AM	7/30/24 01:47 PM	7/30/24 01:47 PM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on July 232, 2024. 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.
4021631			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	7/1/24 12:00 AM	8/1/24 09:12 AM	8/1/24 09:12 AM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of June 2024 was completed on June 11, 2024 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.
4049549			5747, Powassan WWTL	CORR	Refurbish/ Replace/Repair	0		Sewer repair by Genesee Creek	CLOSE		7/11/24 04:00 PM	7/11/24 05:00 PM	
4051889			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS Communication Loss Alarm	CLOSE		7/28/24 02:30 PM	7/28/24 03:15 PM	

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
4061211	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	8/1/24 12:00 AM	8/9/24 12:29 PM	8/9/24 12:29 PM	Diesel Generator Inspection/ Functional Test (1m) 5747 -August 08, 2024. 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: *Note: The generator only started on the 8th attempt. RPM's= 1790 Oil Level = Full Coolant Temp=179 Deg.F Battery Voltage= 12.0 V Oil Pressure 59 psi Hrs at start: 545.8 Hrs at stop: 546.4
4066796	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	8/1/24 12:00 AM	8/9/24 12:31 PM	8/9/24 12:31 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 August 08, 2024. 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.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
4066806	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	8/1/24 12:00 AM	8/9/24 12:31 PM	8/9/24 12:31 PM	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 08, 2024. 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.
4066850	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	8/1/24 12:00 AM	8/9/24 12:32 PM	8/9/24 12:32 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 August 08, 2024. 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.
4066901			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	8/1/24 12:00 AM	8/9/24 12:33 PM	8/9/24 12:33 PM	Health And Safety Inspection (1m) 5747 -Dan Finnigan conducted the monthly H&S Inspection on August 08, 2024which 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

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM
Report End Date: Dec 31, 2024 11:59 PM
Location: 5747*
Work Order Type: ADMIN,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
4066912			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	8/1/24 12:00 AM	8/9/24 12:34 PM	8/9/24 12:34 PM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on August 08, 2024. 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 August 08, 2024. 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.
4066917			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	8/1/24 12:00 AM	8/9/24 12:36 PM	8/9/24 12:36 PM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on August 08, 2024. 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.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
4069522			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	8/1/24 12:00 AM	8/27/24 02:44 PM	8/27/24 02:44 PM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of July 2024 was completed on August 27, 2024 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.
4106447	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	9/1/24 12:00 AM	9/27/24 11:43 AM	9/27/24 11:43 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 -September 26, 2024. 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: *Note: The generator only started on the 8th attempt. RPM's= 1780 Oil Level = Full Coolant Temp=180 Deg.F Battery Voltage= 12.4 V Oil Pressure 52 psi Hrs at start: 548.5 Hrs at stop: 549.5
4113292	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	9/1/24 12:00 AM	9/27/24 11:19 AM	9/27/24 11:19 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 04, 2024. 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.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
4113310	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	9/1/24 12:00 AM	9/27/24 11:20 AM	9/27/24 11:20 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 04, 2024. 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.
4113329	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	9/1/24 12:00 AM	9/27/24 11:21 AM	9/27/24 11:21 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 September 04, 2024. 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.
4113344			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	9/1/24 12:00 AM	9/27/24 11:22 AM	9/27/24 11:22 AM	Health And Safety Inspection (1m) 5747 -Dan Finnigan conducted the monthly H&S Inspection on September 26, 2024which 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

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM
Report End Date: Dec 31, 2024 11:59 PM
Location: 5747*
Work Order Type: ADMIN,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
4113355			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	9/1/24 12:00 AM	9/27/24 11:24 AM	9/27/24 11:24 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on September 26, 2024. 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.
4113360			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	9/1/24 12:00 AM	9/27/24 11:50 AM	9/27/24 11:50 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on September 26, 2024. 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.
4116233			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	9/1/24 12:00 AM	9/23/24 08:03 AM	9/23/24 08:03 AM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of August 2024 was completed on September 18, 2024 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.
4143170			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	CLOSE		9/8/24 05:30 AM	9/8/24 09:15 AM	Powassan Clark Street SPS High Level Alarm - Received Clark Street SPS High Wet Well Level Alarm. Station inspection with Level @ 5.97 metres.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
4143171			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	CLOSE		9/8/24 09:15 AM	9/8/24 11:45 AM	Powassan Clark Street SPS High Level Alarm - Received Clark Street SPS High Wet Well Level Alarm. Reviewed historical trending for facility showing Pumps 1 and 2 began operating in conjunction continuously beginning @ 0426 hours on September 8. Reviewed Wonderware with Clark Street SPS Wet Well Level @ 9.6 metres. Adjusted WIN911 Clark Street SPS Wet Well Level Alarm Setpoint to 6.5 metres. Received WIN911 Clark Street SPS High Wet Well Level Alarm. Station inspection of Wet Well shows thick foaming resulting in transducer interference.
4143173			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	CLOSE		9/8/24 02:15 PM	9/8/24 03:30 PM	Powassan Clark Street SPS High Level Alarm -Received WIN911 Clark Street SPS High Wet Well Level Alarm. Station inspection with Level @ 7.39 metres and visual confirmation approximately 2.5 metres below Overflow with no further precipitation. Received repeat WIN911 Clark Street SPS High Wet Well Level Alarming. Reviewed Wonderware with Level @ 7.02 metres. Adjusted WIN911 Clark Street SPS High Wet Well Level Alarm Setpoint to 8.0 metres.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM
Report End Date: Dec 31, 2024 11:59 PM
Location: 5747*
Work Order Type: ADMIN,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
4144587			Powassan Wastewater Treatment Lagoon	OPER	Predictive Maintenance	0		Powassan Fall 2024 Lagoon Treatment	CLOSE		10/2/24 09:52 AM	10/2/24 09:52 AM	Powassan Fall 2024 Lagoon Treatment - Treat old cell with 4 loads ferric. unable to properly treat south cell due to vegetation growth and low water levels. had to empty truck into lagoon. Ferric Sulphate Order Details -KEMIRA PIX-312 BULK 1,760.25 Dry Kg 5.7900 CAD/DKG CAD CN code: 2833290000 Net weight: 14,207.000 KG Gross weight: 14,207.000 KG 12.39 % Fe Delivery no / Date:86282556 / 09/23/2024 UN3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Ferric sulfate), 8, PGIII, RQ Country of Origin: CA
4145669	5747, Clark SPS			CALL	Inspection	0		5747 Powassan Clark Street SPS Communication Loss Alarm	CLOSE		9/20/24 12:15 AM	9/20/24 01:30 AM	Powassan Clark Street SPS Communication Loss Alarm - Received Clark Street SPS Communication Loss Alarm. Bell Network experiencing communication interruptions. Received WIN911 Clark Street SPS Communication Loss Alarm. Received additional WIN911 Clark Street SPS Communication Loss Alarm. Clark Street SPS Communication restored.
4145670	5747, Clark SPS			CALL	Inspection	0		5747 Powassan Clark Street SPS Communication Loss Alarm	CLOSE		9/21/24 07:30 PM	9/21/24 10:00 PM	Powassan Clark Street SPS Communication Loss Alarm - Received WIN911 Communication Loss Alarm. Communication restored. Station inspection with normal function confirmed.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
4156920	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	10/1/24 12:00 AM	10/15/24 09:16 AM	10/15/24 09:16 AM	Diesel Generator Inspection/ Functional Test (1m) 5747 -October 10, 2024. 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: *Note: The generator only started on the 13th attempt. RPM's= 1785 Oil Level = Full Coolant Temp=178 Deg.F Battery Voltage= 12.0 V Oil Pressure 59 psi
4162777	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	10/1/24 12:00 AM	10/15/24 09:17 AM	10/15/24 09:17 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 October 10, 2024. 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.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
4162787	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	10/1/24 12:00 AM	10/15/24 09:25 AM	10/15/24 09:25 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 October 10, 2024. 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.
4162821	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	CLOSE	10/1/24 12:00 AM	10/15/24 09:26 AM	10/15/24 09:26 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 October 10, 2024. 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.
4162878			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	CLOSE	10/1/24 12:00 AM	10/15/24 09:28 AM	10/15/24 09:28 AM	Health And Safety Inspection (1m) 5747 -Dan Finnigan conducted the monthly H&S Inspection on October 10, 2024which 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

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
4162894			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	YEARS	Fire Protection System Inspection (1y) 5747	COMP	10/1/24 12:00 AM	11/25/24 11:58 AM	11/25/24 11:58 AM	Fire Protection System Inspection (1y) 5747 -The Clark St. Sewage Station Fire Extinguisher was brought to Callander where a third party (Everguard) conducted the Annual Fire Extinguisher Inspection
4162918			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	CLOSE	10/1/24 12:00 AM	10/15/24 09:29 AM	10/15/24 09:29 AM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on October 10, 2024. 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.
4162935			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	CLOSE	10/1/24 12:00 AM	10/15/24 09:42 AM	10/15/24 09:42 AM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on October 10, 2024. 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.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
4166788			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	CLOSE	10/1/24 12:00 AM	11/1/24 05:58 PM	11/1/24 05:58 PM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of September 2024 was completed on November 1, 2024 by Dan Finnigan. All values were checked and entered, lab data entries were reviewed, and this Work Order closed off.
4195165			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS Communication Loss Alarm	CLOSE		10/20/24 01:00 AM	10/20/24 10:30 AM	Powassan Clark Street SPS Communication Loss Alarm - Received WIN911 Communications Loss Alarm followed by system restore. Received repeat WIN911 Communications Loss Alarm followed by system restore. Received WIN911 Communications Loss Alarm following issues with Bell network. Reviewed system with no issues.
4195879		Powassan Wastewater Treatment Lagoon		CAP	Predictive Maintenance	0		Powassan Clark St Station Sludge Removal	CLOSE		10/28/24 08:13 AM	10/28/24 08:13 AM	Powassan Clark St Station Sludge Removal -Clark Street sewage lift station cleaned out and sludge removed.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
4206168	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	11/1/24 12:00 AM	11/25/24 01:34 PM	11/25/24 01:34 PM	Diesel Generator Inspection/ Functional Test (1m) 5747 -November 20, 2024. 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: *Note: The generator only started on the 14th attempt. RPM's= 1750 Oil Level = Full Coolant Temp=178 Deg.F Battery Voltage= 12.0 V Oil Pressure 58 psi Hrs at start: 550.5 Hrs at stop: 551.0
4211586	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	11/1/24 12:00 AM	11/25/24 01:44 PM	11/25/24 01:44 PM	Lagoon Cell 01South Powassan Insp/ Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon with mulitiple visits while the Fall Release was ongoing. 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.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
4211596	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	11/1/24 12:00 AM	11/25/24 01:45 PM	11/25/24 01:45 PM	Lagoon Cell 02 North Powassan Insp/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon with mulitiple visits while the Fall Release was ongoing. 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.
4211618	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	COMP	11/1/24 12:00 AM	11/25/24 01:46 PM	11/25/24 01:46 PM	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747 -Dan Finnigan inspected the associated lagoon with multiple visits while the Fall Release was ongoing. 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.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM
Report End Date: Dec 31, 2024 11:59 PM
Location: 5747*
Work Order Type: ADMIN,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
4211636			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	COMP	11/1/24 12:00 AM	11/25/24 01:36 PM	11/25/24 01:36 PM	Health And Safety Inspection (1m) 5747 -Dan Finnigan conducted the monthly H&S Inspection on November 20, 2024which 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 (not functioning) *A new CO monitor will be purchased
4211649			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	COMP	11/1/24 12:00 AM	11/25/24 01:39 PM	11/25/24 01:39 PM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on November 20, 2024. 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.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
4211654			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	COMP	11/1/24 12:00 AM	11/25/24 01:41 PM	11/25/24 01:41 PM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on November 20, 2024. 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.
4214085			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	COMP	11/1/24 12:00 AM	1/9/25 09:59 PM	1/9/25 09:59 PM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of October 2024 was completed on January 9, 2025 by Dan Finnigan. All values were checked, the Lagoon release reports were completed and entered, lab data entries were reviewed, and this Work Order closed off.
4238057			5747, Clark SPS, Facility	CAP	Refurbish/ Replace/Repair	0		Powassan Reservoir Generator Battery Replacement	COMP		11/21/24 08:31 AM	11/21/24 08:31 AM	Clark St Generator Battery Replacement - Battery failed load test and was replaced Correction: Reservoir Generator not Clark St. - Correction: Reservoir Generator not Clark St.
4238394	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	1/3/25 12:00 AM	1/14/25 12:12 PM	1/14/25 12:12 PM	Verification - Completed Sep 13, 2024
4238397	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	1/3/25 12:00 AM	1/14/25 12:11 PM	1/14/25 12:11 PM	Verification - Completed Sep 13, 2024

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

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Work Order Type:	ADMIN,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
4247951	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	12/1/24 12:00 AM	12/3/24 02:54 PM	12/3/24 02:54 PM	Diesel Generator Inspection/ Functional Test (1m) 5747 -December 3, 2024 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: *Note: The generator only started on the 14th attempt. RPM's= 1780 Oil Level = Full Coolant Temp=180 Deg.F Battery Voltage= 12.0 V Oil Pressure 52 psi Hrs at start: 551.0 Hrs at stop: 551.6
4253871	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	12/1/24 12:00 AM	12/3/24 02:46 PM	12/3/24 02:46 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 December 3, 2024. 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.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

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Work Order Type:	ADMIN,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
4253881	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	12/1/24 12:00 AM	12/3/24 02:50 PM	12/3/24 02:50 PM	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 December 3, 2024. 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.
4253903	0000126969	LAGOON CELL 03 POWASSAN	5747, Powassan WWTL, Process	PM	Inspection	1	MONTHS	Lagoon Cell 03 Powassan Inspection/Service (1m/6m/1y) 5747	COMP	12/1/24 12:00 AM	12/3/24 02:51 PM	12/3/24 02:51 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 December 3, 2024. 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.
4253921			5747, Powassan WWTL	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5747	COMP	12/1/24 12:00 AM	12/3/24 02:07 PM	12/3/24 02:07 PM	Health And Safety Inspection (1m) 5747 -Dan Finnigan conducted the monthly H&S Inspection on December 3, 2024 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

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
4253932			5747, Powassan WWTL	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5747	COMP	12/1/24 12:00 AM	12/3/24 02:08 PM	12/3/24 02:08 PM	TPM Inspection/Maintenance (1m) 5747 -Completed by Dan Finnigan on December 3, 2024. 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.
4253937			5747, Powassan WWTL	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5747	COMP	12/1/24 12:00 AM	12/3/24 02:55 PM	12/3/24 02:55 PM	Critical Alarm/Dialer Testing (1m) 5747 -Conducted by Dan Finnigan on December 3, 2024. 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.
4256214			5747, Powassan WWTL	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5747	COMP	12/1/24 12:00 AM	1/9/25 10:00 PM	1/9/25 10:00 PM	WISKI Review (1m) 5747 -WISKI Review (1m) for the month of November 2024 was completed on January 9, 2025 by Dan Finnigan. All values were checked, the Lagoon release reports were completed and entered, lab data entries were reviewed, and this Work Order closed off.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Workorder Summary Report

Report Start Date:	Jan 1, 2024 12:00 AM
Report End Date:	Dec 31, 2024 11:59 PM
Location:	5747*
Work Order Type:	ADMIN,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
4279540			5747, Clark SPS, Facility	CAP	Refurbish/ Replace/Repair	0		Powassan Clark St. Emergency Electrical Repair	COMP		12/17/24 02:38 PM	12/17/24 02:38 PM	Powassan Clark St. Electrical Repair - Electrician call in to troubleshoot loss of 110V power at the facility. Required fuses to be replaced and the facility was put back online.
4279999			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS High Level Alarm	COMP		12/16/24 06:30 AM	12/16/24 07:30 AM	Powassan Clark Street SPS High Level Alarm - Received High Level Alarm. System restore High Level Alarm following area power outage. No further issues.
4281290			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street High Level Alarm	COMP		12/29/24 06:45 PM	12/29/24 10:45 PM	Powassan Clark Street High Level Alarm -Received Clark Street SPS High Wet Well Level Alarm. Received WIN Clark Street SPS High Wet Well Level Alarm. Station Inspection with Wet Well Level @ 8.01 metres experiencing precipitation event. Station inspection with Wet Well Level approximately 1.5 metres below Overflow with no signs of Bypass and currently no precipitation.
4281297			5747, Clark SPS	CALL	Inspection	0		5747 Powassan Clark Street SPS Communication Loss Alarm	COMP		12/29/24 01:00 AM	12/29/24 12:00 PM	Powassan Clark Street SPS Communication Loss Alarm - Received Clark Street Communication Loss Alarm. Reviewed Hydro One Storm Centre with no area outages. Suspect issue with Bell Internet service interruption. Station inspection with normal function observed. Outpost Panel online and functional.