



Mattawa Sewage Treatment Lagoon Sewage Collection System 2024 ANNUAL PERFORMANCE REPORT

January 1, 2024 to December 31, 2024

Prepared by the Ontario Clean Water Agency
on behalf of the Corporation of the Town of Mattawa



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EXECUTIVE SUMMARY

The Mattawa Sewage Treatment System in the community of Mattawa within the City of Temiskaming Shores. The sewage treatment plant is designed to treat a daily average flow of 1564 m³/day and a peak flow of 5702 m³/day. It is classified as a Class 1 wastewater treatment system under Ontario Regulation 129/04 and operates under Environmental Compliance Approval (ECA) No. 3-115-91-926 for Municipal and Private Sewage Works issued on February 2, 1992.

The Mattawa Sewage Collection System is a Class 1 wastewater collection system under Ontario Regulation 129/04 that follows the requirements of ECA No. 195-W601 for Municipal Sewage Collection Systems issued on September 27, 2023.

This report summarizes the requirements of each Approval and describes the operational performance of the system to ensure production of quality effluent.

The Mattawa sewage treatment system operated well in 2024 producing a high quality effluent that met the effluent limits and objectives specified in the system's ECA.

The system met the rated capacity limit having an annual average daily flow to the lagoon of 747 m³, which is 47.8 % of the rated capacity. The total volume of influent flow measured in 2024 was 273,394.

There was zero (0) spill and zero (0) overflow event that occurred in the sewage collection system during the reporting period which are described in Section **Error! Reference source not found..**

All requirements specified in the system's ECA and any issues experienced at the facility are further explained throughout the report.



INTRODUCTION

The operation of the Mattawa Sewage Treatment Lagoon follows the requirements of Environmental Compliance Approval (ECA) #3-1115-91-926 for Municipal and Private Sewage Works. Condition 10(5) of the ECA 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 Town of Mattawa and is based on information kept on record by OCWA. The report has been completed in accordance with the approval and contains the following information:

- A summary and interpretation of all monitoring data and a comparison to the effluent limits outlined in condition 19, including an overview of the success and adequacy of the Works;
- A description of any operating problems encountered and corrective actions taken;
- A summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the Works;
- A summary of any effluent quality assurance or control measures undertaken in the reporting period;
- A summary of the calibration and maintenance carried out on all effluent monitoring equipment;
- A description of efforts made and results achieved in meeting Effluent Objectives of condition 18;
- A tabulation of the volume of sludge generated in the reporting period, an outline of anticipated volumes to be generated in the next reporting period and a summary of the locations to where the sludge was disposed;
- A summary of any complaints received during the reporting period and any steps taken to address the complaints;
- A summary of all bypass, spill or abnormal discharge events;
- Any other information the District Manager requires from time to time.

Condition 4.0(4.6) of the ECA No. 195-W601 for the Mattawa Sewage Collection System requires the Owner to prepare and submit an annual performance report to the Ministry of the Environment's Director on or before March 31st of each year and covers a period from January 1st to December 31st of the preceding calendar year. This report must include, but is not limited to the following information;

- If applicable, includes a summary of all required monitoring data along with an interpretation of the data and any conclusion drawn from the data evaluation about the need for future modifications to the Authorized System or system operations;
- Includes a summary of any operating problems encountered and corrective actions taken;



- Includes a summary of all calibration, maintenance, and repairs carried out on any major structure, Equipment, apparatus, mechanism, or thing forming part of the Municipal Sewage Collection System;
- Includes a summary of any complaints related to the Sewage Works received during the reporting period and any steps taken to address the complaints.
- Includes a summary of all Alterations to the Authorized System within the reporting period that are authorized by this Approval including a list of Alterations that pose a Significant Drinking Water Threat;
- Includes a summary of all Collection System Overflow(s) and Spill(s) of Sewage, including: dates, volumes and durations. If applicable, loadings for total suspended solids, BOD₅, total phosphorus, and total Kjeldahl nitrogen, and sampling results for *E.coli*, disinfection, if any and any adverse impact(s) and any corrective actions, if applicable;
- Includes a summary of efforts made to reduce Collection System Overflows, Spills, STP Overflows, and/or STP Bypasses, including the following items, as applicable:
 - a) A description of projects undertaken and completed in the Authorized System that result in overall overflow reduction or elimination including expenditures and proposed projects to eliminate overflows with estimated budget forecast for the year following that for which the report is submitted.
 - b) Details of the establishment and maintenance of a PPCP, including a summary of project progresses compared to the PPCP's timelines.
 - c) An assessment of the effectiveness of each action taken.
 - d) An assessment of the ability to meet Procedure F-5-1 or Procedure F-5-5 objectives (as applicable) and if able to meet the objectives, an overview of next steps and estimated timelines to meet the objectives.
 - e) Public reporting approach including proactive efforts.

The two reports have been merged into one and is presented as the 2024 Annual Performance Report. The report was prepared by the Ontario Clean Water Agency (OCWA) on behalf of the Town of Mattawa and is based on information kept on record by OCWA.

The Mattawa Wastewater Treatment Lagoon treated a total volume of 273,394 m³ and produced high quality effluent that met the compliance limits specified in the ECA.

All requirements specified in the system's ECA and any issues experienced at the facility are further explained throughout the report.



1.0 SYSTEM DESCRIPTION

Sewage System Name:	Mattawa Sewage Treatment Lagoon
Sewage System Address:	Town of Mattawa, Nipissing District
Sewage System Works No.:	110000436
Sewage System Owner:	The Corporation of the Town of Mattawa 3-1115-91-926 (issued February 20, 1992)
Environmental Compliance Approval:	195-W601 Town of Mattawa Sanitary Sewer System (Issued September 27, 2023)
Reporting Period:	January 1 to December 31, 2024

Capacity of Works:	1,564 m ³ /day
Service Area:	Mattawa
Service Population:	2,150
Effluent Receiver:	Ottawa River
Major Process:	Continuous Discharge Lagoon System

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

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

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

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



Mattawa Wastewater Collection System:

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

300 Louis Street Sewage Pumping Station:

Located approximately 180 feet north of James Street. One wetwell 2 submersible raw sewage pumps (1 duty, 1 standby) each rated at 220 IGPM at 46 ft.; 10 inch diameter emergency overflow to Boom Creek.

200 Brook Street Sewage Pumping Station:

Located at the N.W. corner of the intersection of Brook Street and Valois Drive (Highway 17). One wetwell equipped 2 submersible sewage type raw sewage pumps (1 duty, 1 standby). The sewage pumping station overflows to Ottawa River.

300 Mattawan Street Sewage Street Pump Station:

One wetwell equipped with 2 submersible raw sewage pumps (1 duty, 1 standby). There a standby generator on site. Sewage pump station overflows to Mattawa River.

101 Bissett Street Sewage Pumping Station:

Located at the corner of First Street and Bissett Street. One wetwell equipped with 2 submersible raw sewage pumps (1 duty, 1 standby). Sewage pump station overflow to Mattawa River

451 Bissett Street Sewage Pump Station:

One wetwell equipped with 2 submersible raw sewage pumps (1 duty, 1 standby). The sewage pump station overflows to Mattawa River. Standby generator on site.

601 McKenzie Street Sewage Pump Station:

Located at North Side of McKenzie Street approximately 40 feet East of Sixth Street. One Wet well equipped with 2 submersible raw sewage pumps each rated at 213 IGPM at 17 ft. TDH. Sewage pump station overflows to Mattawa River. Standby generator on site.

1101 Bissett Street Sewage Pump Station:

Located on the south side of Bissett Street, east of Eleventh Street. An underground 8 ft. diameter concrete wet well equipped with 2 submersible raw sewage pumps (1 duty, 1 standby) each capable of discharging at a rate of 100 Igpm, including interconnecting piping and valves, 8” overflow pipe to the Mattawa River, float level switches, electrical equipment and controls.



2.0 MONITORING PROGRAM

2.1 Monitoring Program as Outlined in the Environmental Compliance Approval

cBOD₅	<i>Five-day carbonaceous (nitrification inhibited) biochemical oxygen demand measured in an unfiltered sample</i>
TSS	<i>Total Suspended Solids</i>
TP	<i>Total Phosphorus</i>
TKN	<i>Total Kjeldahl Nitrogen</i>
TAN	<i>Nitrogen as Ammonium and Ammonia (Total Ammonia Nitrogen)</i>
pH	<i>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.</i>

Table 1: Sampling Requirements for the Raw Influent

Parameter	Type of Sample	Minimum Frequency
cBOD ₅	grab	monthly
TSS	grab	monthly
TP	grab	monthly
pH	grab	monthly

Table 2: Sampling Requirements for the Final Effluent

Parameter	Type of Sample	Minimum Frequency
cBOD ₅	Composite**	weekly
TSS	Composite**	monthly
TP	Composite**	weekly
Ammonia (Expressed as N)	Composite**	weekly
Total Residual Chlorine*	Grab*	As Required*
Total Kjeldahl Nitrogen	Composite**	Monthly
Nitrite + Nitrate	Composite**	Monthly
Fecal Coliforms	Grab	Monthly
Fecal Streptococcus	Grab	Monthly

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

**24-hour flow proportionate composite sample



Table 3: Sampling Requirements for Bypass/Overflow Events

Parameter	Type of Sample	Minimum Frequency
BOD ₅	grab	<i>collect at least one sample at the beginning of bypass/overflow</i>
TSS	grab	
TP	grab	
TKN	Grab	
E. Coli	Grab	

3.0 INTERPRETATION OF MONITORING AND ANALYTICAL DATA

3.1 Influent Flow

The Lagoon accepts sanitary discharge from a network of sewer mains and pumping stations within the physical boundary of the Town of Mattawa only. All influent entering the lagoon passes through a magnetic flow meter, after which the flow can be diverted to either the spare maintenance / emergency cell (clay lined), or the primary or secondary lagoon cell depending on requirements. There is no effluent flow meter on this system; the influent flow equals the effluent flows.

The rated capacity of the Mattawa Wastewater Lagoon is 1,564 m³/day (average daily flow). The average daily flow is defined as the cumulative total sewage flow to the sewage works during a calendar year divided by the number of days during which sewage was flowing to the lagoon that year. The peak daily flow capacity is 5,702 m³/day.

Compliance is achieved when the average daily flow does not exceed 1,564 m³/day. The average daily flow for 2024 was 746.98 m³/day, which represents 47.8% of the rated capacity. In 2024, the Mattawa Lagoon system operated well within its rated capacity. A peak flow of 1,711.07 m³/day was reached in April during spring conditions.

3.1.1 Comparison of the Annual Influent Flow to the Rated Capacity

Rated Capacity (m ³ /day)	1,564	Maximum Flow Capacity (m ³ /day)	5,702
2024 Average Flow (m ³ /day)	746.98	2024 Maximum Flow (m ³ /day)	1,711.07
Percent of Capacity (%)	47.8	Percent of Capacity (%)	30
Total volume of wastewater treated in 2024		273,394.08 m ³	

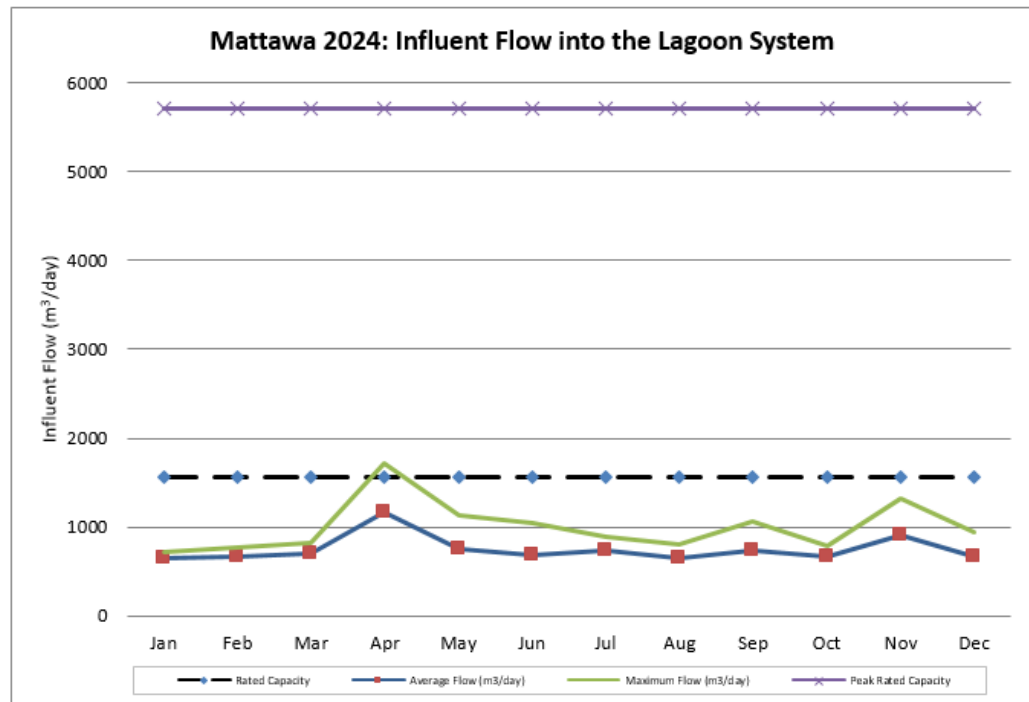


3.1.2 Comparison of Historical Influent Flows (2019 to 2024)

Year	Total Influent Flow (m ³)	Maximum Influent Flow (m ³ /d)	Average Day Flow (m ³ /d)	Average Day % of Rated Capacity (1,564 m ³ /d)
2024	273,628	1,711.07	746.98	47.8
2023	312,377	3,243	856	54.7%
2022	304,592	1,348	834.5	53.3%
2021	295,056	2,479	808.4	51.7%
2020	278,214	1,596	760	45.9%
2019	366,741	4,569	1,005	64.2%

Figure 2 compares the monthly influent flow rates recorded in 2024 to the rated capacity of the plant.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average Flow (m ³ /day)	650	670	698	1158	748	685	736	657	730	666	911	665
Maximum Flow (m ³ /day)	719	767	824	1711	1131	1047	884	798	1065	782	1318	948
Peak Rated Capacity	5702	5702	5702	5702	5702	5702	5702	5702	5702	5702	5702	5702
Rated Capacity	1564	1564	1564	1564	1564	1564	1564	1564	1564	1564	1564	1564
% Rated Capacity	46	49	53	109	72	67	57	51	68	50	84	61





3.2 Raw Sewage (Influent)

Influent samples are required to be collected on a monthly basis. The annual average and maximum influent parameter concentrations are summarized in Table 4.

Table 4: Influent Data

Parameter	# of Samples	Annual Average	Maximum
BOD ₅ (mg/L)	12	120.17	174
TSS (mg/L)	12	137.42	194
TP (mg/L)	12	2.79	4.67

3.3 Effluent

According to ECA #3-1115-91-926, the Mattawa sewage effluent quality is based on the biochemical oxygen demand (BOD₅), total suspended solids (TSS), and total phosphorus (TP). In 2024, the Mattawa Sewage Treatment Lagoon produced a high quality effluent which met the requirements of the system's ECA except for total phosphorus in the month of June. Summaries of the final effluent parameter concentrations and loadings are shown in Tables 5 and 6.

Table 5: Effluent Data

Parameter	# of Samples	Annual Minimum	Annual Maximum	Annual Average	Compliance Limit	Exceedance
BOD ₅ (mg/L)	12	4	29	19	30 (annual average)	No
CBOD ₅ (mg/L)	12	4	24	8.92	WSER 25 (annual average)	No
TSS (mg/L)	12	<2.27	46.30	24.24	30 (annual average) WSER 25 mg/L (12-month avg.)	No
TP (mg/L)	12	0.51	2.54	1.22	2.5 (monthly average)	Yes
Fecal Coliforms	53	<10	>5000	727	N/A	N/A

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

Table 6: Compliance Effluent Loadings

Parameter	Annual Average (kg/day)	Compliance Limit	Exceedance
BOD ₅	14.19	46.92(annual average)	No
TSS	18.10	46.92(annual average)	No
TP	0.91	3.91 (monthly average)	No

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

Refer to Appendix A for the Monthly Process Data Report which summarizes the effluent data for the reporting period.



3.4 Sewage Treatment Program Success and Adequacy

Table 7 presents the system's efficiency through pollutant removal rates from raw sewage concentrations through to final effluent. As indicated by the performance summary, the Mattawa Lagoon was very successful in reducing the levels of biochemical oxygen demand (BOD₅), total suspended solids (TSS), total phosphorus (TP) and total ammonia nitrogen (TAN) from the raw/influent; producing a high quality effluent.

Table 7: Performance Summary

Parameter	Influent (annual average)	Effluent (annual average)	% Removal
BOD ₅ (mg/L)	120.17	19	88.3
TSS (mg/L)	137.42	24.24	97.8
TP (mg/L)	2.79	1.22	72.2

4.0 OPERATING PROBLEMS & CORRECTIVE ACTIONS

The following operating problems occurred during the 2024 reporting period:

1. Brush fire burned within 100' of lagoons. Fire was extinguished
2. Pump at McKenzie Station plugged after heavy rain. Pump was pulled and cleared of the blockage.
3. Generator that powers the wellhouse and main sewage lift station failed. Throttle body controller was rush ordered. Emergency repairs did not correct the problem. Hydrovac truck assisted in keeping sewage levels down by pumping out several loads at the main lift station
4. Monthly average Total Phosphate exceedance in June. Monthly average was 2.54 mg/L (limit 2.5 mg/L) calculated on July 10, 2024. On July 10th operator inspected alum system and while troubleshooting alum pumps, both pumps failed. Identical pump was found within cluster and installed July 10, 2024.

5.0 MAINTENANCE PROCEDURES PERFORMED ON THE WORKS

Routine maintenance schedules for the Mattawa wastewater treatment lagoon 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.



5.1 Lagoon and Control Building

Regular maintenance at the lagoon and control building included monthly generator testing, ensuring automatic power switch-over, blower motor maintenance (changing oils, belts, etc.) and cleaning of the UV lights and discharge chamber. The lights were cleaned quarterly during the spring, summer and fall months. Normal practice is to clean the lamp sleeves monthly during the spring, summer and fall months and replace them every two years or as necessary. Bulbs replaced as they burn out as well.

The malfunction of the UV system control board that we experienced in August of 2016 continued to plague us well into 2018, despite several onsite visits from H2Flow technicians. After replacing every critical component in the UV system we finally achieved a proper communication between the UV lamps and the control board located in the Lagoon building. Throughout the problems, the UV lights continued to work as intended, giving us good disinfection of the effluent during the season when users downstream are active. Operators verified the UV lights were operational with visual confirmation while the communications link remained non-functional.

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

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

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

5.2 Lift Station and Collection System

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

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



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

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

Significant maintenance performed in 2024 include:

- New blower motor installed to replace failed motor
- Pulled pump at McKenzie street Lift Station and rebuilt
- Replaced gate valve #1 and #1 check valve at McKenzie Street Lift Station
- Generator that powers the wellhouse and main sewage lift station failed. Throttle body controller was rush ordered. Emergency repairs did not correct the problem. Hydrovac truck assisted in keeping sewage levels down by pumping out several loads at the main lift station

6.0 EFFLUENT QUALITY ASSURANCE & CONTROL MEASURES UNDERTAKEN

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

- The pumping stations and lagoon site are regularly inspected by certified OCWA operators during the work week.
- Certified operators conduct daily reviews of selected data from continuous monitoring equipment which is captured by OCWA's remote monitoring system.
- Certified operators monitor chemical usage and make adjustments as required.
- Operation and Compliance staff reviews system data and laboratory reports to keep track of routine operation of the treatment plant and ensure compliance with the ECA.
- All process and laboratory data is logged in a process data management system (PDM/WISKI 7).
- All effluent quality data is reviewed by the ORO 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.
- All instrumentation is tested and maintained as per manufacturer's recommendations.
- Routine maintenance is scheduled and tracked using OCWA's Workplace Maintenance System (WMS).



Quality Control elements of the monitoring program include the following:

- Samples are collected as required and analyzed by Near North Laboratories located in North Bay, Ontario. Analyses are 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.
- Licensed Operators conduct in-house tests for monitoring purposes using procedures as per Standard Methods of Water and Wastewater.
- Any in-house tests conducted by licensed operators follow procedures as per Standard Methods of Water and Wastewater.
- Any bypasses/overflows or upset events that occur at the pumping stations or plant site are tested, monitored and reported to Ministry's Spills Action Center (SAC) and local Health Unit.

7.0 CALIBRATION & MAINTENANCE OF ALL MONITORING EQUIPMENT

Monitoring equipment is tested and calibrated based on the specifications outline in condition 20(C) of the Approval. Table 8 summarizes the calibrations conducted in 2024.

Table 8: Calibration Summary

Instrument	Calibration Date	Pass or Fail	Requirement
Flow Meter – Raw Sewage	March 25, 2024	Pass	+/- 15%

8.0 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*.



Operational staff has current and appropriate level of certification for the operation of the facility and continue to learn and achieve knowledge of the process and equipment. New staff receives on-going training to achieve a high level of process knowledge and regulatory competence. The mechanical elements in the facility are regularly inspected, well maintained and kept in good repair. OCWA uses a computerized maintenance management program which generates works orders to ensure maintenance of equipment is proactively performed.

Raw wastewater and effluent samples are collected as required and analyzed by Near North Laboratories, an accredited laboratory. OCWA reviews these results on a regular basis to ensure compliance with ECA objective and limits. Chemical adjustments can be made if results begin to increase.

In-house sampling and testing for operational parameters provides real time results which are used to enhance process and operational performance.

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.

OCWA provides regular status reports to the Owner, which discusses operational data, maintenance activities and capital improvements.

During this reporting period, the facility met the monthly effluent objectives for TP (2.5 mg/L), except for the month of June 2024 monthly average was 2.54 mg/L. The monthly objective was not met for Fecal coliform on several occasions due to duck weed. The facility met the annual effluent objectives for BOD5 (25.0 mg/L), and TSS (25.0 mg/L).

Table 9: Effluent Objectives

Parameter	Annual Average	Monthly Objective	Averaging Period	Exceedance
BOD ₅ (mg/L)	19	25	annual average	No
TSS (mg/L)	24.24	25	annual average	No
TP (mg/L)	1.22	2.5	monthly average	Yes
Fecal Coliforms	727	100 / 100 mL (single sample)	Annual GEO MEAN	Yes

Effluent Parameter	Range	Units
pH	6.44-7.87	N/A
Fecal Strep	10-2500	cfu/100 mL
Total Kjeldahl Nitrogen	5.6-27.8	mg / L



Effluent Parameter	Range	Units
Nitrite + Nitrate	<RDL -3.640	mg / L
Ammonia	0.19-24.70	mg / L

Note: <RDL = less than Readable Detection Limit

(See *Appendix A* and *Appendix B* for 2024 influent and effluent sample results.)

Table 6: Objective Effluent Loadings

Parameter	Annual Average (kg/day)	Objective Limit	Exceedance
BOD ₅	14.19	39.1(annual average)	No
TSS	18.10	39.1(annual average)	No
TP	*0.91 (yearly Average)	3.91 (monthly average)	No

*No month in 2024 exceeded the Total Phosphorous loading limit. The average loading for 12 months was 0.91 Kg/day, well below the compliance limit. The maximum month was 2.54 Kg/day, which is also above the compliance and objective limit. The exceedance was reported SAC ref. # 1-8S245C. (see *Appendix A—2024 Parameter Average Calculations*).

8.1 Design Objectives is not achieved more than 50% of the Time in a Year

The design objectives for Fecal Coliforms was not achieved in single sample analysis. The onset of winter and colder temperature slows the natural biological processes that help the UV disinfection system to control this parameter. Good disinfection is typically achieved during the summer season when recreational activities are expected downstream of the discharge.

8.2 Annual Average Daily Influent Reaches 80% of the Rated Capacity

The Annual Average Daily Influent Flow was only 47.8% of the Rated Capacity.

9.0 SLUDGE GENERATION AND DISPOSAL

No sludge was disposed of during this reporting period and it's anticipated that no sludge will be generated or disposed of in 2024.

Sludge levels in the Cell #1 lagoon checked regularly and there is beginning to be an accumulation of sludge around the intake, which tapers off throughout the lagoon cell. The last full cleaning was completed in 2007, which means that removal may be expected in the upcoming years. 5000 gallons of sludge removed from inlet in 2020, and in future years, by an approved sludge hauler, with a vacuum truck and disposed of at an approved waste management system. Cell #1 sludge levels checked in 2020 while repairing aeration lines. Current levels indicate an average of 3-6 inches throughout the entire cell; however, there is an accumulation of sludge around the intake, which tapers off throughout the cell.



10.0 COMPLAINTS

According to records maintained by OCWA, no complaints were documented during the 2024 reporting period.

11.0 ABNORMAL DISCHARGE EVENTS

11.1 Overflow, Bypass, and Spill Events

The sewage lift stations in the municipality are equipped with a high level alarm to alert of an impending or existing raw sewage bypass condition. The alarm is connected to a continuous monitoring and automated alarm system that sends a page to the on-call operator.

No overflow/ bypasses events occurred at the Mattawa Lagoon system occurred during the 2024 reporting period.

11.2 Efforts Made to Reduce System Overflows and Bypasses

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 are installed at 300 Mattawan St, 451 Bissett St, and 601 McKenzie St have standby generators.
- 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 station 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 as outlined in the Maintenance Summary found in Appendix D.
- Repairs to the collection system are done promptly as issues occur.

11.3 Summary of Alterations to the System to Reduce Overflows

No alterations completed to the system to reduce overflows in 2024.

11.4 Public Notifications

On or before September 17, 2026, the Owner shall establish signage to notify the public, at the nearest publicly accessible point(s) downstream of any CSO outfall location identified in

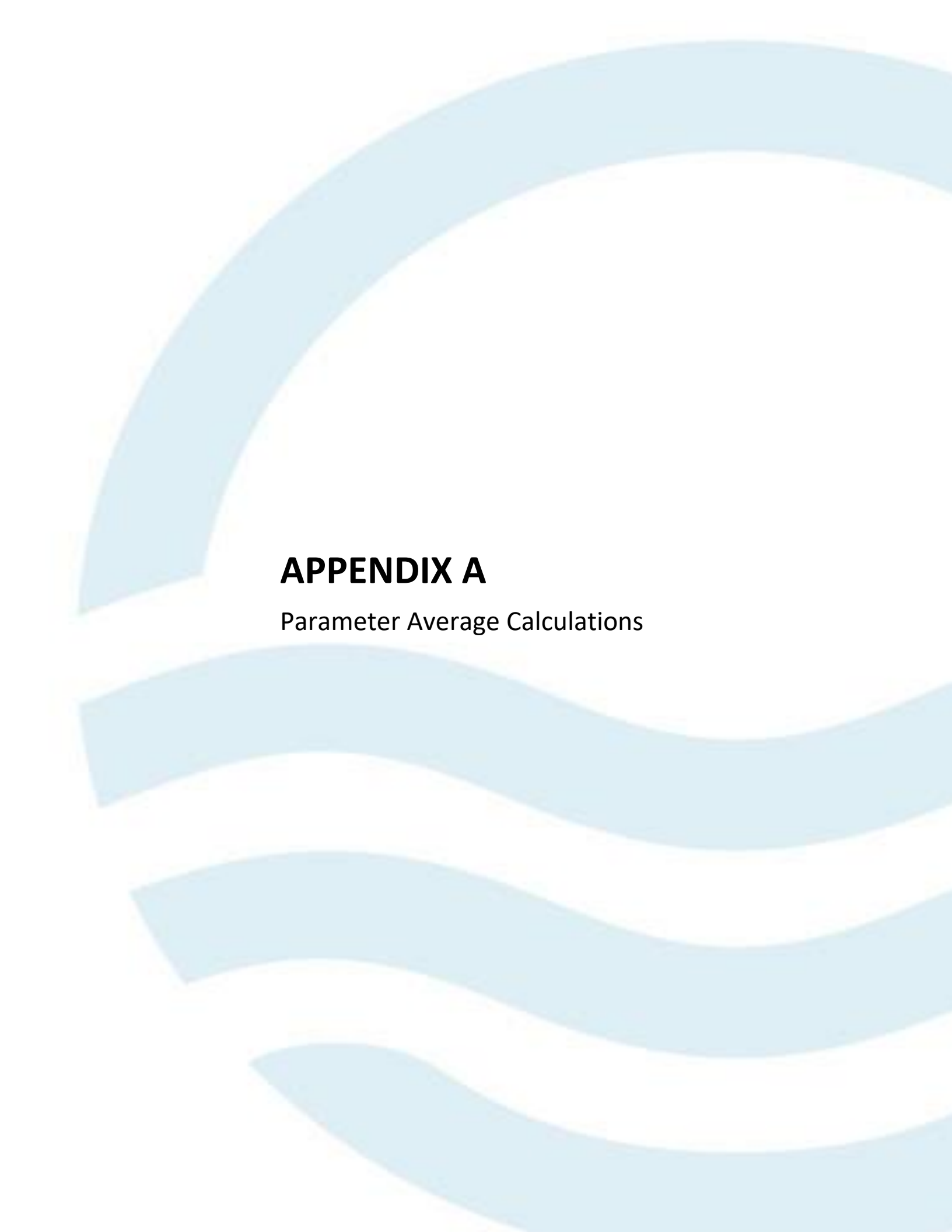


Schedule B, Table B4, and any SSO when the overflow is piped to a specified outlet point. If the nearest publicly accessible point is more than 100m away, then signage shall be established at the CSO or SSO outfall location. The signage shall include the following minimum information:

- a) Type of Collection System Overflow;
- b) Identification of potential hazards and limitations of water use, as applicable;
- c) ECA number and/or asset ID; and
- d) The Owner's contact information.

12.0 OTHER INFORMATION THE DISTRICT MANAGER REQUIRES FROM TIME TO TIME

No other information to provide during this reporting period. No MECP Inspections completed during this reporting period.



APPENDIX A

Parameter Average Calculations

APPENDIX A--2024 Parameter Average Calculations

January-09-24

	January	February	March	April	May	June	July	August	September	October	November	December
Days	31	28	31	30	31	30	31	31	30	31	30	31
Total Flow *	20130	19438	21651	34750	23193	20541	22831	20336	21891	20646.13	27342	20626
Peak Flow	718.5	766.9	824.1	1711.0	1130.9	1047.5	883.9	798.1	1065.4	781.94	1318.3	947.9
M ³ / Day	649.4	670.3	698.0	1158.0	748.2	684.7	736.4	656.6	729.7	666	911.4	665.3

* = measured at Sewage Treatment Plant Meter

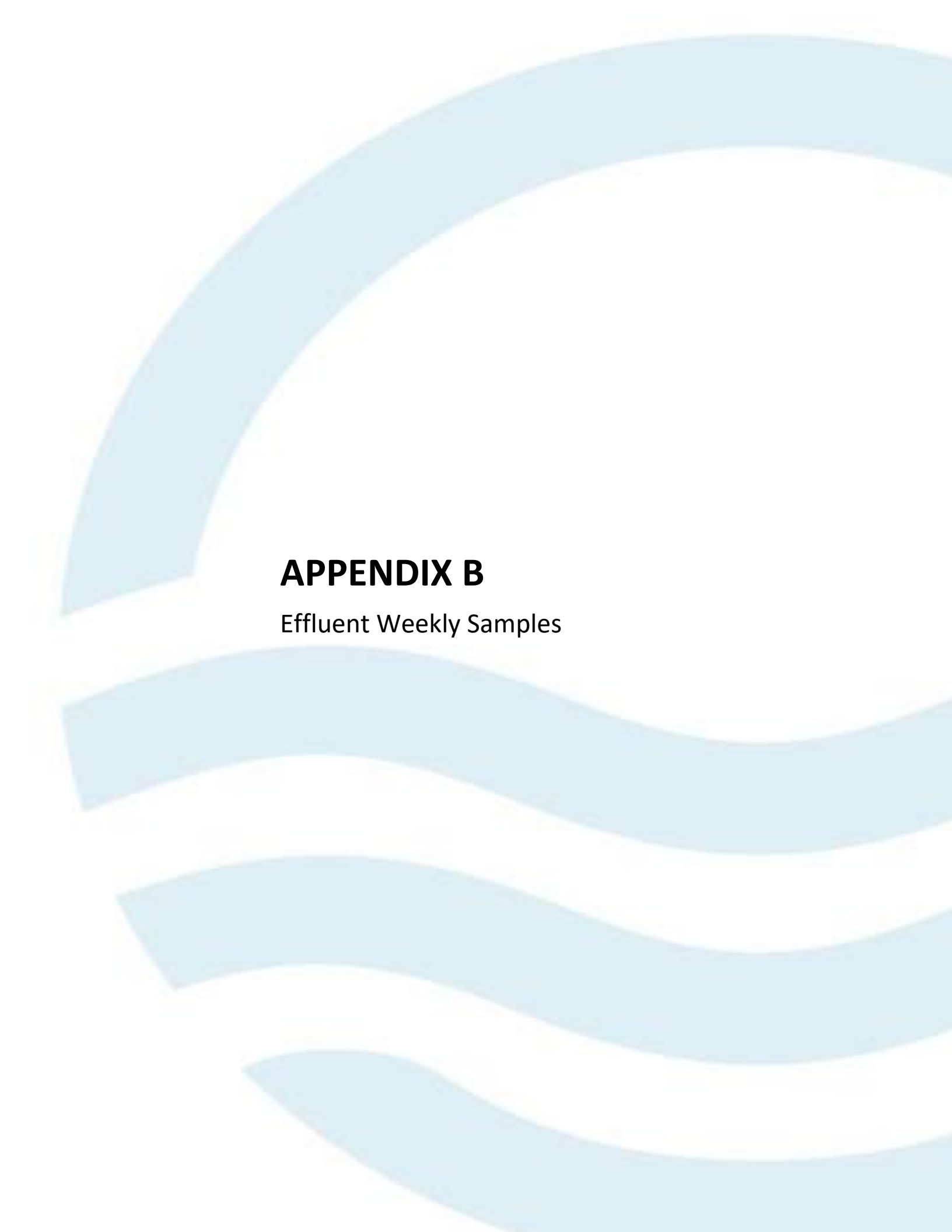
BOD₅ Treated	9.0	4.0	16.0	14.0	6.0	16.0	29.0	10.0	10.0	10.0	6.0	7.0
BOD₅ Raw	153	139.0	124	91	174	145	151	89	85	88	123	80.0
CBOD₅ WSEB Treated	5	7.0	14	11	4	11	24	8	6	6	4	7

TSS Treated	11.0	8.6	18.4	23.3	2.3	23.2	46.3	24.9	20.7	4.0	2.3	2.9
TSS Raw	136.0	194.0	149.0	103.0	116.0	170.0	155.0	140.0	129.0	116.0	112.00	129.0
TP Raw	3.28	2.78	2.42	1.66	4.67	2.23	3.19	3.05	2.25	3.20	2.50	2.22
TKN	19.90	27.8	16.8	18.7	17.0	26.6	15.8	5.6	13.70	18.3	18.3	26.4
Nitrate	<RDL	0.110	<RDL	0.143	0.076	0.091	0.185	0.08	0.1	0.1	0.0	0.09
Nitrate & Nitrite	<RDL	<RDL	<RDL	0.030	<RDL	0.153	3.640	0.13	0.148	0.1	0.2	0.101
Ammonia	16.10	21.10	24.70	13.00	8.90	15.60	20.30	4.26	6.58	8.91	16.40	17.70
	19.30	21.00	20.10	9.73	12.30	18.40	17.60	0.19	7.09	8.45	17.10	17.90
	18.80	20.80	19.40	16.70	13.20	20.30	18.00	2.56	8.09	21.40	15.80	20.30
	19.60	19.20	17.60	11.40	16.00	19.60	9.97	4.56	8.18	11.60	14.90	21.20
	17.30		8.85				8.36			16.10		19.30
Avg Ammonia	18.22	20.53	20.45	11.94	12.60	18.48	14.85	2.89	7.49	13.29	16.05	19.28

Phosp	0.93	1.03	1.01	1.85	1.50	2.71	2.37	0.96	0.42	0.88	0.53	0.28
Weekly	0.99	0.39	1.35	2.04	1.91	2.39	2.41	0.75	0.42	0.64	1.00	0.27
Test	1.04	1.04	1.46	1.86	1.99	2.73	2.29	0.63	0.56	0.50	0.82	0.28
Results	1.06	1.00	1.61	1.82	2.27	2.32	1.77	0.33	0.65	0.42	0.46	0.23
	0.90		1.73				1.36			0.64		0.28
Avg Phosp.:	0.98	0.87	1.36	1.86	1.92	2.54	2.04	0.67	0.51	0.62	0.70	0.27
Monthly Phos Loading: Kg/d	0.64	0.58	0.95	2.15	1.43	1.74	1.50	0.44	0.37	0.41	0.64	0.18

Annual BOD ₅ Loading: 8.55 Kg/day		Annual Loading Average = 46.92 Kg/d	Total Annual Flow: 273,373.4 M ³	
Annual TSS Loading: 11.72 Kg/day			Annual Avg Daily flow (M ³ /Day): 749.0 M ³ /Day	
		Annual Loading Average = 46.92 Kg/d	BOD ₅ Annual Average: 11.4 mg/L	
			TSS Annual Average: 15.7 mg/L	
			Phosphorous Annual Average: 1.19 mg/L	
			CBOD ₅ Annual Average: 8.92 mg/L	

NOTES:



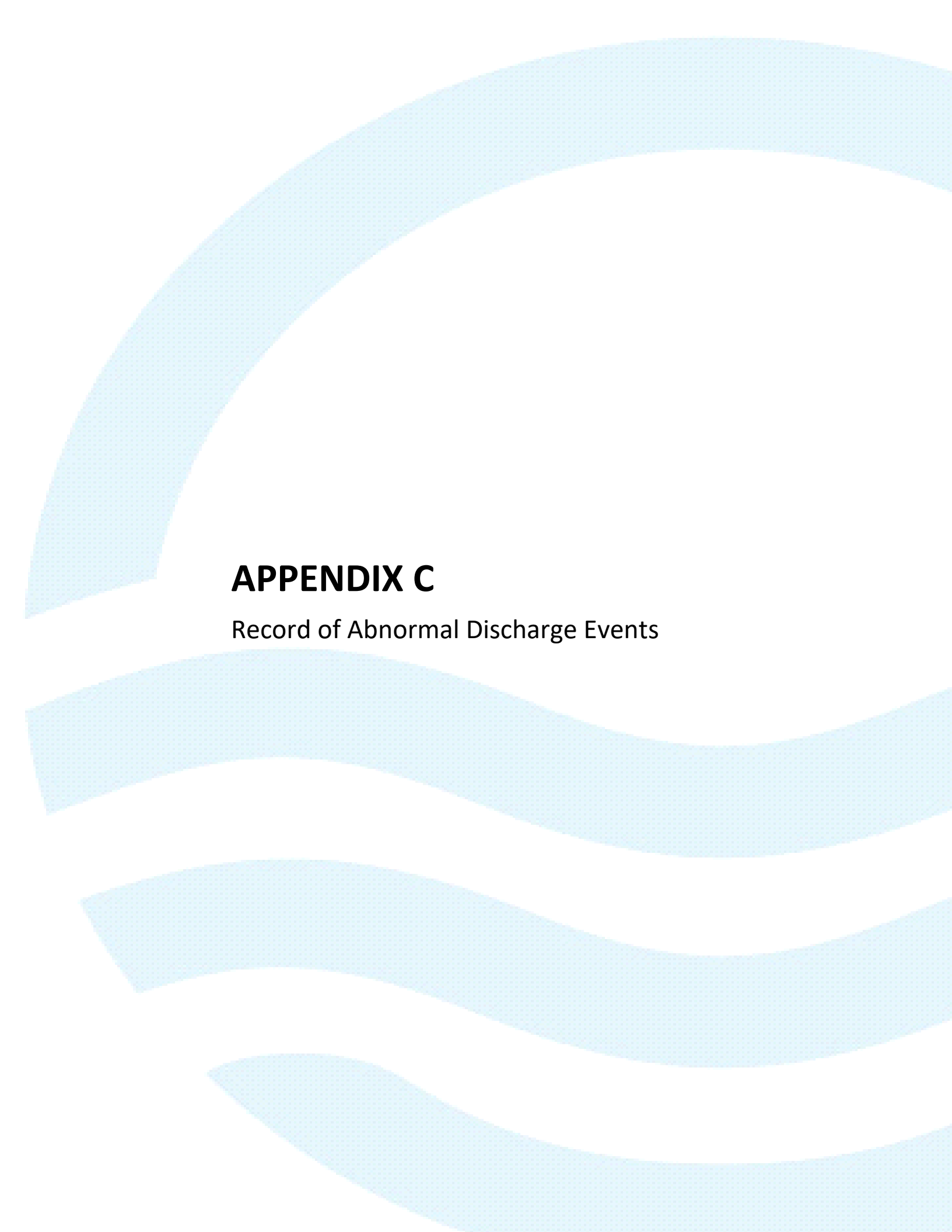
APPENDIX B

Effluent Weekly Samples

Appendix B - Effluent Weekly Samples

	January	February	March	April	May	June	July	August	Sept.	Oct.	Nov.	December
Fecal Coliform	340	1300	700	80	10	< 10	80	5000	220	750	650	380
weekly	340	1000	200	100	< 10	< 10	> 2000	350	>2000	600	425	60
cfu/100 ml	850	1000	200	60	10	10	> 2000	750	1475	125	375	130
	420	700	180	90	10	400	2250	200	1225	25	175	30
	1740			270			5000			>2000		220
Avg Fecal Col	590.5	976.7	266.4	103.1	10.0	25.1	1292.0	715.8	735.3	193.6	366.9	114.4
Fecal Strep	180	2500	500	100	10	< 10	80	150	80	450	325	120
weekly	290	220	100	30	< 10	10	360	100	>2000	450	125	30
cfu/100 ml	510	1900	75	20	10	70	540	50	375	2900	75	30
	470	700	120	10	10	210	275	100	1425	<25	25	40
	1200			20			475			>2000		50
Avg Fecal Str	431.8	924.8	145.6	26.1	10.0	34.8	289.4	93.1	349.7	837.4	93.4	46.4
pH	7.24	6.91	7.24	7.87	7.79	7.45	7.50	6.72	6.72	7.27	7.11	7.30
weekly	7.21	7.20	7.39	8.36	7.50	7.62	7.40	6.78	6.62	7.05	7.16	7.24
	7.15	7.14	7.65	7.80	7.51	7.59	7.29	6.72	6.55	6.92	7.00	7.04
	7.12	7.25	7.95	8.07	7.42	7.40	7.50	6.44	6.69	6.74	7.10	7.28
	6.99			7.68			6.91			7.16		
Avg pH	7.14	7.13	7.56	7.96	7.56	7.52	7.32	6.67	6.65	7.03	7.09	7.22

pH Raw monthly	7.13	7.38	7.35	7.14	7.11	7.26	7.09	7.05	6.60	7.44	7.04	7.26
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APPENDIX C

Record of Abnormal Discharge Events

Workorder Summary Report

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

Report End Date: Dec 31, 2024 11:59 PM

Location: 1541*

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
3736771			1541, Mattawa Wastewater System	PM	Inspection	1	YEARS	Daily O&M Activities Wastewater System (1y) 1541	COMP	1/1/24 12:00 AM	2/10/25 11:02 AM	2/10/25 11:02 AM	
3737443			1541, Mattawa Wastewater System	PM	Inspection	1	YEARS	Lifting Equipment Inspection Route (1y) 1541	CLOSE	1/1/24 12:00 AM	11/1/24 12:33 PM	11/1/24 12:33 PM	Inspection - Trans Canada Safety completed inspection of Mattawa's lifting equipment.
3737450			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	CLOSE	1/1/24 12:00 AM	1/9/24 01:55 PM	1/9/24 01:55 PM	
3737464			1541, Mattawa Wastewater System	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1541	CLOSE	1/1/24 12:00 AM	1/9/24 01:43 PM	1/9/24 01:43 PM	
3737500	0000328869	TRANSFORMER AIR	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	3	YEARS	Transformer Air Insp/Service (3y) 1541	CLOSE	1/1/24 12:00 AM	7/26/24 08:06 AM	7/26/24 08:06 AM	Transformer Air Insp/Service (3y) 1541 - Visual inspection of transformer showed no signs of issues at this time
3737503	0000328844	TRANSFORMER AIR 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	3	YEARS	Transformer Air Insp/Service (3y) 1541	CLOSE	1/1/24 12:00 AM	7/26/24 08:06 AM	7/26/24 08:06 AM	Transformer Air Insp/Service (3y) 1541 - Visual inspection of transformer showed no signs of issues at this time
3737506	0000328906	TRANSFORMER AIR LTG TRANSF	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	3	YEARS	Transformer Air Insp/Service (3y) 1541	CLOSE	1/1/24 12:00 AM	7/26/24 08:07 AM	7/26/24 08:07 AM	Transformer Air Insp/Service (3y) 1541 - Visual inspection of transformer completed, all ok. No signs of issues at this time
3741970			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	CLOSE	1/1/24 12:00 AM	1/9/24 01:50 PM	1/9/24 01:50 PM	
3742576			1541, Mattawa Wastewater System	PM	HEALTH AND SAFETY	1	YEARS	WHMIS/MSDS/NSF Review and Update (1y) 1541	CLOSE	1/1/24 12:00 AM	1/9/24 01:51 PM	1/9/24 01:51 PM	
3762704	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	CLOSE	1/16/24 12:00 AM	1/17/24 10:17 AM	1/17/24 10:17 AM	

Workorder Summary Report

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

Report End Date: Dec 31, 2024 11:59 PM

Location: 1541*

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
3765205			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		Mattawa 300 Mattawan street high level	CLOSE		1/28/24 04:10 PM	1/28/24 08:00 PM	Mattawa 300 Mattawan street high level -Received page at 1610, arrived on site at 1735 and both pumps were on and looked inside chamber. No high level and no evidence of high level. Tried resetting alarm, still high level alarm. Cleaned level transducer and exercised high level float. There was no build up on float. Cleared alarms, but high level alarm did not clear. Disabled high level float and alarmed cleared. Both pumps shut off and level was 0.51 m.
3786634			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	CLOSE	2/1/24 12:00 AM	5/15/24 08:44 AM	5/15/24 08:44 AM	Alarm Dialer Route (1m) - 1541 - Alarm dialer was tested at time of generator test, all checked out OK
3786641	0000328891	PUMP PERISTALTIC 01	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Peristaltic 01 Alum Insp/ Service (1y) - 1541	CLOSE	2/1/24 12:00 AM	7/15/24 09:33 AM	7/15/24 09:33 AM	
3786658	0000328892	PUMP PERISTALTIC 02	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Peristaltic 01 Alum Insp/ Service (1y) - 1541	CLOSE	2/1/24 12:00 AM	7/15/24 09:34 AM	7/15/24 09:34 AM	
3786675			1541, Mattawa Wastewater System	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1541	CLOSE	2/1/24 12:00 AM	5/15/24 08:46 AM	5/15/24 08:46 AM	Health And Safety Inspection (1m) 1541 - Health and safety inspection was completed, checked First aid kit and Fire extinguishers- All OK
3790180			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	CLOSE	2/1/24 12:00 AM	5/15/24 08:47 AM	5/15/24 08:47 AM	Pump Submersible Group Inspection (1m) 1541 - Pumps are all checked by running on fridays each week, No issues found at this time with available pumps. JD
3802468			1541, Mattawa Wastewater System	OPER	Refurbish/ Replace/Repair	0		STP Water Pump Repair Parts	CLOSE		5/15/24 08:48 AM	5/15/24 08:48 AM	STP Water Pump Repair Parts - Water pump at STP failed, Diagnosed issues to be pump starter and pressure switch.
3803584	0000328855	METER FLOW	1541, Mattawa Wastewater System	PM	Calibration	1	YEARS	Meter Flow Calibration (1y) 1541	CLOSE	2/8/24 12:00 AM	4/2/24 08:16 AM	4/2/24 08:16 AM	Meter Flow Calibration (1y) 1541 - verify flow meter pass mar 25/24 TF

Workorder Summary Report

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

Report End Date: Dec 31, 2024 11:59 PM

Location: 1541*

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
3804397			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 1541	CLOSE	2/9/24 12:00 AM	5/15/24 08:49 AM	5/15/24 08:49 AM	
3805038	0000328874	GENERATOR ELECTRIC DIESEL BACKUP POWER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	CLOSE	2/15/24 12:00 AM	5/15/24 08:41 AM	5/15/24 08:41 AM	Generator Monthly Test (1m) 1541 - Monthly teat was completed no issues found at this time
3805041	0000328842	GENERATOR ELECTRIC DIESEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	CLOSE	2/15/24 12:00 AM	5/15/24 08:42 AM	5/15/24 08:42 AM	Generator Monthly Test (1m) 1541 - Monthly teat was completed no issues found at this time
3805044	0000328901	GENERATOR ELECTRIC DIESEL	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	CLOSE	2/15/24 12:00 AM	5/15/24 08:42 AM	5/15/24 08:42 AM	Generator Monthly Test (1m) 1541 - Monthly teat was completed no issues found at this time
3805330	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	CLOSE	2/16/24 12:00 AM	5/15/24 08:48 AM	5/15/24 08:48 AM	Tank Alum Inspection (1m) - 1541 - Inspected alum tank, no visual defects or leaks found at this time
3806338			1541, Mattawa Wastewater System	CAP	Refurbish/ Replace/Repair	0		McKenzie Street Pump Rebuild and Hardware for Valve Replacements	CLOSE		3/1/24 11:13 AM	3/1/24 11:13 AM	Pump Rebuild and Hardware for Valve Replacements - PO for Pump rebuild and hardware.
3806835			1541, Mattawa Wastewater System	EMER	Refurbish/ Replace/Repair	0		Mckenzie st pump 1 fail Mattawa	CLOSE		3/5/24 09:43 AM	3/5/24 09:43 AM	Mckenzie st pump 1 fail Mattawa - Pulled pump 1 Feb 25/24. impellar free motor wont turn. Josh D tested- fail. brought to industrial motors. pump had a repair tag july/23. TF Rebuild: See PO# 3847428 -Rebuild: See PO# 3847428
3830170			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	CLOSE	3/1/24 12:00 AM	5/15/24 08:45 AM	5/15/24 08:45 AM	Alarm Dialer Route (1m) - 1541 - Alarm dialer was tested at time of generator test, all checked out OK
3830177			1541, Mattawa Wastewater System	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1541	CLOSE	3/1/24 12:00 AM	4/2/24 08:17 AM	4/2/24 08:17 AM	
3833636			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	CLOSE	3/1/24 12:00 AM	5/15/24 08:47 AM	5/15/24 08:47 AM	Pump Submersible Group Inspection (1m) 1541 - Pumps are all checked by running on fridays each week, No issues found at this time with available pumps. JD

Workorder Summary Report

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

Report End Date: Dec 31, 2024 11:59 PM

Location: 1541*

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
3846607	0000328887	VALVE SLUICE GATE DIVERSION CHAMBER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Sluice Gate Inspection (1y) 1541	CLOSE	4/1/24 12:00 AM	7/26/24 07:38 AM	7/26/24 07:38 AM	Sluice Gate Inspection (1y) 1541 - Sluice gate visually instpected, operatred 1 turnup and down, all ok
3847428			1541, Mattawa Wastewater System	CAP	Refurbish/ Replace/Repair	0		Mattawa McKenzie Station Pump Rebuild	CLOSE		5/13/24 08:43 AM	5/13/24 08:43 AM	McKenzie Station Pump Rebuild - Cause of Failure: Rubber cord material wound up behind impeller in mechanical seal. Submersible Pump: Flygt 3.9HP, 1745RPM, 230 Volts, 17A, 60HZ, 1PH, Imp 433, Model 3102.181-1081, Serial# 3102.181-0820243. Labour to dismantle, clean, check all bearing fits, test stator windings, inspect all parts, access damage Assemble unit with new parts listed & perform no load full voltage test run. 8 95.00 760.00 Dynamic Balance Rotor & Impeller 601 89 06 Basic Repair Kit
3849524	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	CLOSE	3/16/24 12:00 AM	5/15/24 09:03 AM	5/15/24 09:03 AM	Tank Alum Inspection (1m) - 1541 - Alum tank inspection completed, no visual signs of defects

Workorder Summary Report

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

Report End Date: Dec 31, 2024 11:59 PM

Location: 1541*

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
3878062	0000328854	UV LIGHT REACTOR SYSTEM	1541, Mattawa Wastewater System	PM	Inspection	6	MONTHS	UV Reactor service Fall (6m) 1541	COMP	4/1/24 12:00 AM	1/15/25 06:51 AM	1/15/25 06:51 AM	
3878069	0000328854	UV LIGHT REACTOR SYSTEM	1541, Mattawa Wastewater System	PM	Inspection	6	MONTHS	UV Reactor service Spring (6m) 1541	CLOSE	4/1/24 12:00 AM	7/26/24 09:48 AM	7/26/24 09:48 AM	UV Reactor service Spring (6m) 1541 - UV bulbs were hosed down and checked, all ok. turtle found in the UV chamber, removed and put in the river.
3878239			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	CLOSE	4/1/24 12:00 AM	7/22/24 09:10 AM	7/22/24 09:10 AM	
3878246			1541, Mattawa Wastewater System	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1541	CLOSE	4/1/24 12:00 AM	7/15/24 09:31 AM	7/15/24 09:31 AM	
3878260	0000328876	TANK STORAGE FUEL LAGOON	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Storage Fuel Diesel Lagoon Insp/Service (1y) 1541	CLOSE	4/1/24 12:00 AM	7/26/24 07:47 AM	7/26/24 07:47 AM	Tank Storage Fuel Diesel Lagoon Insp/Service (1y) 1541 - Fuel tank inspection complete, NO leaks or issues found at this time
3878268	0000328903	TANK STORAGE FUEL LAGOON	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Storage Fuel Diesel Lagoon Insp/Service (1y) 1541	CLOSE	4/1/24 12:00 AM	7/26/24 07:47 AM	7/26/24 07:47 AM	Tank Storage Fuel Diesel Lagoon Insp/Service (1y) 1541 - Fuel tank inspection complete, NO leaks or issues found at this time
3878276	0000328838	TANK STORAGE FUEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Storage Fuel Diesel Mckenzie St. Insp/Service (1y) 1541	CLOSE	4/1/24 12:00 AM	7/26/24 07:48 AM	7/26/24 07:48 AM	Tank Storage Fuel Diesel Mckenzie St. Insp/Service (1y) 1541 -Fuel tank inspection complete, NO leaks or issues found at this time
3882962			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	CLOSE	4/1/24 12:00 AM	7/22/24 09:11 AM	7/22/24 09:11 AM	
3900500			1541, Mattawa Wastewater System	CALL	Inspection	0		Brooke St power alarm	CLOSE		4/4/24 01:30 AM	4/4/24 03:45 AM	Brooke St power alarm - Received call for Brooke St alarm. Arrived on site and found lift station operating normally. Very stormy night, causing many power losses/ bumps.
3902294	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	CLOSE	4/16/24 12:00 AM	7/15/24 09:32 AM	7/15/24 09:32 AM	

Workorder Summary Report

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

Report End Date: Dec 31, 2024 11:59 PM

Location: 1541*

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
3902352			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		Pump 1 Fail 1101 Bissett-1541	CLOSE		4/15/24 02:30 AM	4/16/24 08:40 AM	Pump 1 Fail 1101 Bissett-1541 - Called for P1 fail, arrived found station in high level and p2 running, river levels high causing inflow. Reset P1, chamber pumped down but slowly.
3902353			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		Pump 1 & 2 Fault 451 Bissett	CLOSE		4/9/24 04:45 PM	4/16/24 08:44 AM	Pump 1 & 2 Fault 451 Bissett - Called for p 1 & 2 fault at 451 Bissett, Wet well was just below the overflow but not overflowing. Pumps faulted, reset both pumps and all ok. Fault due to power bump.
3904041			1541, Mattawa Wastewater System	OPER	Refurbish/ Replace/Repair	0		Pressure washer for Sewage pumps and UV lights	CLOSE		4/28/24 06:26 PM	4/28/24 06:26 PM	Pressure washer for Sewage pumps and UV lights - Pressure washer for cleaning off pumps before mntce and for cleaning STP uv lights before maintenance
3929088			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	CLOSE	5/1/24 12:00 AM	7/22/24 09:11 AM	7/22/24 09:11 AM	
3929095			1541, Mattawa Wastewater System	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1541	CLOSE	5/1/24 12:00 AM	7/15/24 09:26 AM	7/15/24 09:26 AM	
3929106	0000328912	TANK PROCESS WET WELL 300 MATTAWAN ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Wet well 300 Mattawan St. Insp/Service (1y) - 1541	CLOSE	5/1/24 12:00 AM	7/26/24 07:52 AM	7/26/24 07:52 AM	Tank Wet well 300 Mattawan St. Insp/Service (1y) - 1541 - Wet well inspections completed on a weekly basis, currently no issues found with structure.
3929115	0000328922	TANK PROCESS WET WELL 101 BISSETT ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Wet well 101 Bissett St. Insp/ Service (1y) - 1541	CLOSE	5/1/24 12:00 AM	7/26/24 07:52 AM	7/26/24 07:52 AM	Tank Wet well 101 Bissett St. Insp/ Service (1y) - 1541 - Wet well inspections completed on a weekly basis, currently no issues found with structure.
3929124	0000328919	TANK PROCESS WET WELL 200 BROOK ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Wet well 200 Brook St. Insp/ Service (1y) - 1541	CLOSE	5/1/24 12:00 AM	7/26/24 07:53 AM	7/26/24 07:53 AM	Tank Wet well 200 Brook St. Insp/ Service (1y) - 1541 - Wet well inspections completed on a weekly basis, currently no issues found with structure.

Workorder Summary Report

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

Report End Date: Dec 31, 2024 11:59 PM

Location: 1541*

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
3929136	0000328916	TANK PROCESS WET WELL 300 LOUIS ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Wet well 300 Louis St. Insp/ Service (1y) - 1541	CLOSE	5/1/24 12:00 AM	7/26/24 07:53 AM	7/26/24 07:53 AM	Tank Wet well 300 Louis St. Insp/ Service (1y) - 1541 - Wet well inspections completed on a weekly basis, currently no issues found with structure.
3929145	0000328832	TANK PROCESS WET WELL 451 BISSETT ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Wet well 451 Bissett St. Insp/ Service (1y) - 1541	CLOSE	5/1/24 12:00 AM	7/26/24 07:53 AM	7/26/24 07:53 AM	Tank Wet well 451 Bissett St. Insp/ Service (1y) - 1541 - Wet well inspections completed on a weekly basis, currently no issues found with structure.
3929162	0000328850	TANK PROCESS WET WELL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Wet well 601 Mckenzie St. Insp/Service (1y) - 1541	CLOSE	5/1/24 12:00 AM	7/26/24 07:54 AM	7/26/24 07:54 AM	Tank Wet well 601 Mckenzie St. Insp/Service (1y) - 1541 - Wet well inspection completed weekly, no issues found with structure at this time
3929171	0000328897	TANK PROCESS WET WELL 1101 BISSETT ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Wet well 1101 Bissett St. Insp/ Service (1y) - 1541	CLOSE	5/1/24 12:00 AM	7/26/24 07:55 AM	7/26/24 07:55 AM	Tank Wet well 1101 Bissett St. Insp/ Service (1y) - 1541 - Wet well inspection completed weekly, no issues found with structure at this time
3932563			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	CLOSE	5/1/24 12:00 AM	7/15/24 09:35 AM	7/15/24 09:35 AM	
3949142			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		1101 Bissette St Lift Station Mattawa	CLOSE		5/8/24 08:50 PM	5/9/24 08:27 AM	1101 Bissette St Lift Station Mattawa -Received alarm at 2050, arrived on site at 2225. Checked pumps, both pumps were pumping. Checked wet well, sewage level under grate. Due to high flows.
3949641			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		Makenzie street high level lift station Mattawa	CLOSE		5/12/24 09:50 PM	5/13/24 08:55 AM	Mackenzie street high level lift station Mattawa -Received high level alarm at 2150, arrived on site at 2300. Powered down panel and reset pump. Pump started and ran a few minutes. Pump tripped several times while pumping down pump station
3950237	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	CLOSE	5/16/24 12:00 AM	7/15/24 09:29 AM	7/15/24 09:29 AM	

Workorder Summary Report

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Location: 1541*

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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
3978708	0000328859	ANALYZER GAS BUMP TEST	1541, Mattawa Wastewater System	PM	Calibration	6	MONTHS	Analyzer Gas C02 (6m) 1541	CLOSE	6/1/24 12:00 AM	7/26/24 08:04 AM	7/26/24 08:04 AM	- Handheld CO monitor is bump tested when used and calibrated as it fails bump test, all OK at this time
3978719			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	CLOSE	6/1/24 12:00 AM	7/22/24 09:14 AM	7/22/24 09:14 AM	
3978726			1541, Mattawa Wastewater System	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1541	CLOSE	6/1/24 12:00 AM	7/15/24 09:27 AM	7/15/24 09:27 AM	
3978737			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Process Lagoon Cells Insp/ Service (1y) - 1541	CLOSE	6/1/24 12:00 AM	7/26/24 07:56 AM	7/26/24 07:56 AM	Tank Process Lagoon Cells Insp/ Service (1y) - 1541 - Lagoon cells checked with daily onsite, all OK,noo issues currently with cells
3978751	0000328858	TANK STORAGE HOT WATER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Hot Water Insp. (1y) - 1541	CLOSE	6/1/24 12:00 AM	7/22/24 09:15 AM	7/22/24 09:15 AM	
3982474			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	CLOSE	6/1/24 12:00 AM	7/22/24 09:13 AM	7/22/24 09:13 AM	
3999485	0000328874	GENERATOR ELECTRIC DIESEL BACKUP POWER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	CLOSE	6/15/24 12:00 AM	7/26/24 07:49 AM	7/26/24 07:49 AM	Generator Monthly Test (1m) 1541 - Monthly generator test completed, no issues found.
3999488	0000328842	GENERATOR ELECTRIC DIESEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	CLOSE	6/15/24 12:00 AM	7/26/24 07:50 AM	7/26/24 07:50 AM	Generator Monthly Test (1m) 1541 - Monthly generator test completed, no issues found.
3999491	0000328901	GENERATOR ELECTRIC DIESEL	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	CLOSE	6/15/24 12:00 AM	7/26/24 07:50 AM	7/26/24 07:50 AM	Generator Monthly Test (1m) 1541 - Monthly generator test completed, no issues found.
3999534			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 1541	CLOSE	6/15/24 12:00 AM	7/26/24 07:56 AM	7/26/24 07:56 AM	
3999702	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	CLOSE	6/16/24 12:00 AM	7/15/24 09:30 AM	7/15/24 09:30 AM	
4026051			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	CLOSE	7/1/24 12:00 AM	9/23/24 09:28 AM	9/23/24 09:28 AM	
4026058			1541, Mattawa Wastewater System	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1541	CLOSE	7/1/24 12:00 AM	7/15/24 09:28 AM	7/15/24 09:28 AM	
4029949			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	CLOSE	7/1/24 12:00 AM	7/15/24 09:36 AM	7/15/24 09:36 AM	

Workorder Summary Report

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Location: 1541*

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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
4048655			1541, Mattawa Wastewater System	CAP	Refurbish/ Replace/Repair	0		Duty Alum Pump Replacement	CLOSE		7/26/24 08:02 AM	7/26/24 08:02 AM	Duty Alum Pump Replacement - Replace old inoperable Watson Marlow alum pump. Qdos 30 Universal 24V Relay pump 30l/hr 7bar, 100 PSI ReNu Santoprene pumphead to the left Duty Alum Pump Replacement - New Duty Alum pump arrived mopnday July 21/24, was installed July 22/24, working OK at this time
4048656			1541, Mattawa Wastewater System	CAP	Refurbish/ Replace/Repair	0		Standby Alum Pump Replacement	CLOSE		7/26/24 08:03 AM	7/26/24 08:03 AM	Standby Alum Pump Replacement - Replace old inoperable Watson Marlow alum pump. Qdos 30 Universal 24V Relay pump 30l/hr 7bar, 100 PSI ReNu Santoprene pumphead to the left Standby Alum Pump Replacement - New Standby Alum pump arrived monday July 21/24, was installed July 22/24, working OK at this time
4049472	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	CLOSE	7/16/24 12:00 AM	7/22/24 09:13 AM	7/22/24 09:13 AM	
4051476			1541, Mattawa Wastewater System	CALL	Inspection	0		555 Mattawan St sewer backup	CLOSE		7/27/24 10:30 AM	7/27/24 12:45 PM	555 Mattawan St sewer backup - Resident at 555 Mattawan St called in for backed up sewer. She was told from plumber friend to call the city. Checked both manholes up and downstream. Both flowing fine. Informed caller that a plumber is needed to assess the situation from inside building.

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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
4051477			1541, Mattawa Wastewater System	CALL	Refurbish/ Replace/Repair	0		Brooke Station pump 2 tripped	CLOSE		7/26/24 09:30 PM	7/26/24 11:30 PM	Brooke Station pump 2 tripped - Received call for general alarm at Brooke St lift station at 21:30. Arrived on site at 22:30 and found pump#2 breaker tripped. Reset breaker and ran pump manually. Pumped down station successfully.
4073705			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	CLOSE	8/1/24 12:00 AM	9/23/24 09:29 AM	9/23/24 09:29 AM	
4073712			1541, Mattawa Wastewater System	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1541	CLOSE	8/1/24 12:00 AM	9/23/24 09:30 AM	9/23/24 09:30 AM	
4077085			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	CLOSE	8/1/24 12:00 AM	9/23/24 02:28 PM	9/23/24 02:28 PM	Pump Submersible Group Inspection (1m) 1541 - Pumps ran and visual inspection completed weekly. No issues found at this time
4094064	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	CLOSE	8/16/24 12:00 AM	9/23/24 09:32 AM	9/23/24 09:32 AM	
4095611	0000328874	GENERATOR ELECTRIC DIESEL BACKUP POWER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	CLOSE	8/26/24 12:00 AM	9/23/24 02:29 PM	9/23/24 02:29 PM	Generator Monthly Test (1m) 1541 - Generator ran under power outage conditions. No issues found at this time.
4095614	0000328842	GENERATOR ELECTRIC DIESEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	CLOSE	8/26/24 12:00 AM	9/23/24 02:29 PM	9/23/24 02:29 PM	Generator Monthly Test (1m) 1541 -Generator ran under power outage conditions. No issues found at this time.
4095617	0000328901	GENERATOR ELECTRIC DIESEL	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	CLOSE	8/26/24 12:00 AM	9/23/24 02:30 PM	9/23/24 02:30 PM	Generator Monthly Test (1m) 1541 -Generator ran under power outage conditions. No issues found at this time.
4095620			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 1541	CLOSE	8/26/24 12:00 AM	9/23/24 09:33 AM	9/23/24 09:33 AM	
4121276	0000328870	MCC MAIN POWER DISTRIBUTION LAGOON	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	3	YEARS	MCC Panel Inspection (3y) - 1541	COMP	9/1/24 12:00 AM	1/16/25 08:31 AM	1/16/25 08:31 AM	MCC Panel Inspection (3y) - 1541 - Visual inspection of MCC complete no issues seen at this time
4121279			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	CLOSE	9/1/24 12:00 AM	10/15/24 03:34 PM	10/15/24 03:34 PM	

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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
4121286			1541, Mattawa Wastewater System	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1541	CLOSE	9/1/24 12:00 AM	9/23/24 09:33 AM	9/23/24 09:33 AM	
4125236			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	CLOSE	9/1/24 12:00 AM	9/23/24 09:34 AM	9/23/24 09:34 AM	
4140627			1541, Mattawa Wastewater System	CALL	Inspection	0		Low battery 101 Bissett LS	CLOSE		8/31/24 10:00 AM	8/31/24 11:30 AM	Low battery 101 Bissett LS - Received call from Telus for low battery alarm at 101 Bissett lift station. Checked station to make sure hydro was still supplied to pumps. Power was present upon arrival. Manually pumped down lift station and placed back into AUTO
4144081	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	CLOSE	9/16/24 12:00 AM	9/23/24 09:35 AM	9/23/24 09:35 AM	
4145630			1541, Mattawa Wastewater System	CALL	Inspection	0		Louis LS high float	CLOSE		9/17/24 04:30 PM	9/17/24 06:30 PM	Louis LS high float - Received Alarm for high float at Louis St lift station. Arrived on site, station was pumped down. No signs of high water level earlier. Manually ran pump to verifiy operation.
4171426	0000328854	UV LIGHT REACTOR SYSTEM	1541, Mattawa Wastewater System	PM	Inspection	6	MONTHS	UV Reactor service Fall (6m) 1541	COMP	10/1/24 12:00 AM	1/15/25 06:51 AM	1/15/25 06:51 AM	
4171433	0000328854	UV LIGHT REACTOR SYSTEM	1541, Mattawa Wastewater System	PM	Inspection	6	MONTHS	UV Reactor service Spring (6m) 1541	COMP	10/1/24 12:00 AM	1/15/25 07:25 AM	1/15/25 07:25 AM	
4171594	0000328878	BLOWER CENTRIFUGAL B01 AERATION	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Blower Centrifugal Inspection/ Service (1y) 1541	COMP	10/1/24 12:00 AM	1/15/25 07:02 AM	1/15/25 07:02 AM	Blower Centrifugal Inspection/ Service (1y) 1541 - Blower visually inspected, checked belts and oil- All ok. No signs of any oil leaks
4171608	0000328879	BLOWER CENTRIFUGAL B02 AERATION	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	Blower Centrifugal Inspection/ Service (1y) 1541	COMP	10/1/24 12:00 AM	1/15/25 07:03 AM	1/15/25 07:03 AM	Blower Centrifugal Inspection/ Service (1y) 1541 - Blower visually inspected, checked belts and oil- All ok. No signs of any oil leaks

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4171621			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	YEARS	HVAC, Fans, Dehumidifiers, Heaters ,Louvres Route (1y) 1541	COMP	10/1/24 12:00 AM	1/15/25 07:04 AM	1/15/25 07:04 AM	HVAC, Fans, Dehumidifiers, Heaters ,Louvres Route (1y) 1541 - Town of mattawa had a third party come in and clean and inspect all heaters- no report given.
4171643			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	CLOSE	10/1/24 12:00 AM	10/15/24 03:33 PM	10/15/24 03:33 PM	
4171650			1541, Mattawa Wastewater System	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1541	CLOSE	10/1/24 12:00 AM	10/15/24 03:36 PM	10/15/24 03:36 PM	
4175378			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	CLOSE	10/1/24 12:00 AM	10/15/24 03:37 PM	10/15/24 03:37 PM	
4194598	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	10/16/24 12:00 AM	1/15/25 07:02 AM	1/15/25 07:02 AM	Tank Alum Inspection (1m) - 1541 - Alum tank is inspected during morning rounds, no issues at this time
4195732	0000328874	GENERATOR ELECTRIC DIESEL BACKUP POWER	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	10/23/24 12:00 AM	1/15/25 07:07 AM	1/15/25 07:07 AM	Generator Monthly Test (1m) 1541 - Monthly genertor test was completed, all OK no issues at this time
4195735	0000328842	GENERATOR ELECTRIC DIESEL 601 MCKENZIE ST.	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	10/23/24 12:00 AM	1/15/25 07:10 AM	1/15/25 07:10 AM	Generator Monthly Test (1m) 1541 -Generator ran under no hydro conditions, Checked all ok , transfered all ok, No issues at this time
4195738	0000328901	GENERATOR ELECTRIC DIESEL	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Generator Monthly Test (1m) 1541	COMP	10/23/24 12:00 AM	1/15/25 07:10 AM	1/15/25 07:10 AM	Generator Monthly Test (1m) 1541 -Generator ran under no hydro conditions, Checked all ok , transfered all ok, No issues at this time
4195783			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 1541	COMP	10/23/24 12:00 AM	1/15/25 07:10 AM	1/15/25 07:10 AM	
4195880			1541, Mattawa Wastewater System	CAP	Predictive Maintenance	0		Mattawa Sewage Pump Stations: Wet Well Cleaning	COMP		11/29/24 09:32 AM	11/29/24 09:32 AM	Mattawa Sewage Pump Stations: Wet Well Cleaning - Clean all lift stations and remove sludge.

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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
4196080			1541, Mattawa Wastewater System	EMER	Refurbish/ Replace/Repair	0		Emergency Pump Out During Power Outage	CLOSE		10/25/24 11:33 AM	10/25/24 11:33 AM	Emergency Pump Out During Power Outage - Generator failed and station requires pump out during scheduled power outage.

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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
													Emergency Pump Out During Power Outage - Oct 24th/25th 2024 20:00 prepare equipment and unlock all gates and lids from 451 Bissett street lift station. due to backup generator not functioning properly. 20:30 Hydrovac company arrived on site to setup equipment. 20:45 manually pump station down to prepare for power outage. 21:05 power outage started and Muskoka hydro vac started making trips to lagoons with raw sewage. 23:45 power came back on, put all equipment back away and reset all faults on pumps. 23:55 pumps back in auto and cycling properly. 00:10 headed to the WTP. reservoir was 1.85, acknowledged a bunch of alarms due to power outage. 00:20 started WTP manually by changing setpoints, return setpoints back to where they were after startup. 00:30 Communicated with ORO and Town Fire chief about the WTP startup for fire suppression. 00:45 Contacted True steel alarms about any further alarms. Put Generator Fault alarm on disregard until Monday October 28th. Kyle Michaud
4217901			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	11/1/24 12:00 AM	1/15/25 07:18 AM	1/15/25 07:18 AM	Alarm Dialer Route (1m) - 1541 - Alarm dialer checked, all seems ok,

Workorder Summary Report

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

Report End Date: Dec 31, 2024 11:59 PM

Location: 1541*

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
4217908			1541, Mattawa Wastewater System	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	11/1/24 12:00 AM	1/15/25 07:19 AM	1/15/25 07:19 AM	Health And Safety Inspection (1m) 1541 - Walk around heath and safety inspection completed, no issues outstanding
4221026			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	11/1/24 12:00 AM	1/15/25 07:20 AM	1/15/25 07:20 AM	Pump Submersible Group Inspection (1m) 1541 - All pumps visiually inspected and ran in hand weekly, no issues found at this time
4236787			1541, Mattawa Wastewater System	CALL	Inspection	0		1101 Bissett LS high level	CLOSE		11/9/24 08:00 AM	11/9/24 11:30 AM	1101 Bissett LS high level - Alarm for alarm level at 1101 Bissett LS at 0800. On site found level at inlet. P#2 tripped on overload. Reset P#2 and ran both pumps. Pump 2 reading higher amps than Pump 1. Station pumped down successfully.
4236902			1541, Mattawa Wastewater System	OPER	Compliance	0		Alum Order For Lagoon-1541	COMP		1/16/25 07:44 AM	1/16/25 07:44 AM	Order Details - KEMIRA ALS BULK 24,820.000 KG 473.0000 CN code: 2833220000 Net weight: 24,820.000 KG 54,718.778 LB Gross weight: 24,820.000 KG 54,718.778 LB Delivery no / Date:86326621 / 11/19/2024 UN3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Aluminium sulphate), 8, PGIII, RQ
4237302	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	11/16/24 12:00 AM	1/15/25 07:21 AM	1/15/25 07:21 AM	Tank Alum Inspection (1m) - 1541 - Alum tank inspected during rounds, no issues found, no leaks or cracks found
4259676	0000328859	ANALYZER GAS BUMP TEST	1541, Mattawa Wastewater System	PM	Calibration	6	MONTHS	Analyzer Gas C02 (6m) 1541	COMP	12/1/24 12:00 AM	1/15/25 07:26 AM	1/15/25 07:26 AM	Analyzer Gas C02 (6m) 1541 - Gas monitor is calibrated/bump tested before each use
4259687			1541, Mattawa Wastewater System	PM	Inspection	1	MONTHS	Alarm Dialer Route (1m) - 1541	COMP	12/1/24 12:00 AM	1/15/25 07:27 AM	1/15/25 07:27 AM	Alarm Dialer Route (1m) - 1541 - Various alarms over the month, alarm dialer working correctly

Workorder Summary Report

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

Report End Date: Dec 31, 2024 11:59 PM

Location: 1541*

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
4259694			1541, Mattawa Wastewater System	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 1541	COMP	12/1/24 12:00 AM	1/15/25 07:28 AM	1/15/25 07:28 AM	Health And Safety Inspection (1m) 1541 - Walk around health and safety inspection completed, no outstanding issues seen, all walkways ans steps taken care of by town of mattawa staff
4259716	0000328828	UPS BATTERY BACKUP 451 BISSETT ST.	1541, Mattawa Wastewater System	PM	Inspection	1	YEARS	Ups Battery Bank Insp/Service (1y) 1541	COMP	12/1/24 12:00 AM	1/15/25 07:29 AM	1/15/25 07:29 AM	Ups Battery Bank Insp/Service (1y) 1541 - Visual inspection of backup batteries, no leaks or issues found at this time
4262780			1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Pump Submersible Group Inspection (1m) 1541	COMP	12/1/24 12:00 AM	1/15/25 07:30 AM	1/15/25 07:30 AM	Pump Submersible Group Inspection (1m) 1541 - All pumps visually inspected and ran in hand weekly, all ok, no issues at this time
4279093	0000328888	TANK STORAGE ALUM	1541, Mattawa Wastewater System	PM	Refurbish/ Replace/Repair	1	MONTHS	Tank Alum Inspection (1m) - 1541	COMP	12/16/24 12:00 AM	1/15/25 07:32 AM	1/15/25 07:32 AM	Tank Alum Inspection (1m) - 1541 - Alum tank visually inspected, issues found