

Manitowaning Lagoons

Annual Operating Report

*ECA 4826-9ALL3Q
Issued August 30, 2013*

January 1, 2022 – December 31, 2022

Prepared by the Ontario Clean Water Agency
For Corporation of the Township of Assiginack



Ontario Clean Water Agency
Agence Ontarienne Des Eaux



SECTION 1: INTRODUCTION

The Ontario Clean Water Agency (OCWA) acts as the operating authority for the Manitowaning wastewater treatment. This document is prepared by OCWA in accordance with Environmental Compliance Approval (ECA) #4826-9ALL3Q. The report is required to include the following information:

- (a) A summary of all monitoring data, including an overview of the success and adequacy of the works;
- (b) A description of any operating problems encountered and corrective actions taken;
- (c) A summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the works;
- (d) A description of efforts made and results achieved in meeting the effluent objectives of condition no.6;
- (e) A summary of any complaints received during the reporting period and any steps taken to address the complaints;
- (f) A summary of all bypass, spill or abnormal discharge events

SECTION 2: Description of Facility

Capacity of Facility: 495 m³/d
Service Area: Manitowaning
Service Population:
Effluent Receiver: Manitowaning Bay
Major Process: Continuous Discharge Lagoons – 2 cells
Facility Classification: Wastewater Treatment Class 1
Collection Classification:

SECTION 3: Executive Summary

The Manitowaning Lagoon is a continuous flow-through lagoon. Three proprietary baffle walls are used to extend retention time to provide better treatment. Nine floating Mechanical aerators are also located in the lagoon

Sampling parameters were **exceeded** in September for Total Phosphorous in the effluent.

The total effluent discharge from the lagoons for the year was 57,028m³.

The total raw sewage flow into the lagoons for the year was calculated to be 106,209m³.



SECTION 4: Process Data

The facility operator collects grab samples of raw sewage and sends them to an accredited laboratory for analysis. Raw flows are calculated using a weir type flow meter.

Raw (Influent) Sampling					
Parameter	Frequency	Method	Results		
			Min	Avg	Max
CBOD ₅ (mg/L)	Monthly	Grab – External Analysis (Lab)	35	111.7	329
TSS (mg/L)	Monthly	Grab – External Analysis (Lab)	53	124.4	187
TP (mg/L)	Monthly	Grab – External Analysis (Lab)	0.38	1.87	3.97
Flow (m ³ /d)	Daily	Engineered Calculation – Weir Flow Meter	194	290.98	680

The facility operator collects effluent samples and sends them to an accredited laboratory for analysis each month. Effluent volumes are considered to be equivalent to raw flows.

Treated (Effluent) Sampling		
Parameter	Frequency	Method
CBOD ₅	Monthly	Grab – External Analysis (Lab)
TSS	Monthly	Grab – External Analysis (Lab)
TP	Twice Per Month	Grab – External Analysis (Lab)
TAN	Monthly	Grab – External Analysis (Lab)
TKN	Monthly	Grab – External Analysis (Lab)
Nitrate	Monthly	Grab – External Analysis (Lab)
Nitrite	Monthly	Grab – External Analysis (Lab)
<i>E.coli</i>	Monthly	Grab – External Analysis (Lab)
Flow	Daily During Discharge	Equivalent to Raw Flows

Compliance limits are based on **monthly** average for effluent concentrations. In addition, the discharge must be essentially free of floating and settleable solids and does not contain oil or other substance in amounts sufficient to create a visible film or sheen or foam or discoloration on the receiving waters.

The raw and effluent parameters specified in the above and below tables are analyzed by SGS Lakefield Research, an accredited laboratory located in Lakefield, Ontario.

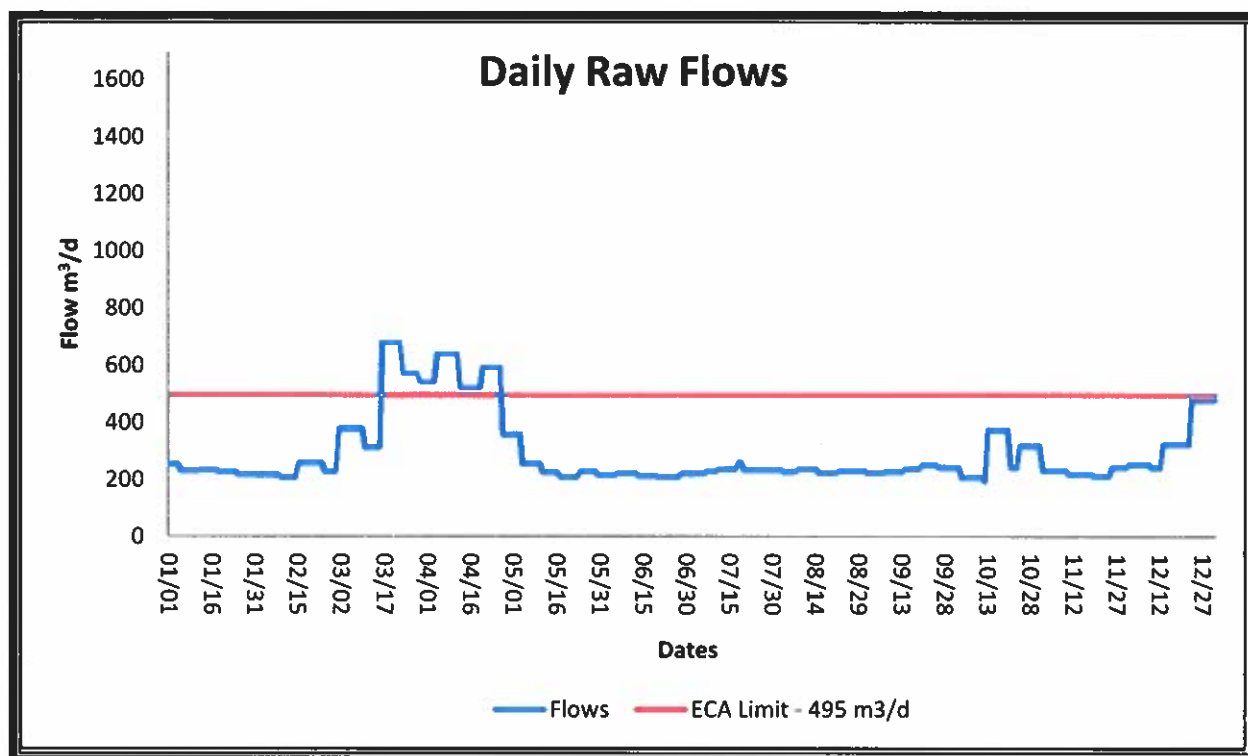


Treated (Effluent Discharge) Sampling											
Month	CBOD Avg mg/L	TSS Avg mg/L	TP Avg mg/L	pH			TAN Avg mg/L	TKN Avg mg/L	Nitrate Avg mg/L	Nitrite Avg mg/L	*E.coli Avg (CFU/100mL)
				Min	Avg	Max					
January	4	3	0.35	7.76	7.91	8.06	1	1.5	1.26	0.07	2
February	2	5	0.75	7.59	7.72	7.85	3.8	4.6	0.15	0.2	130
March	13	7	0.45	7.56	7.57	7.58	7.6	8.1	0.33	0.03	980
April	5	14	0.145	8.21	8.84	9.46	4.1	4.7	0.56	0.03	20
May	10	17	0.62	7.58	8.46	9.34	0.2	1	0.38	0.03	16
June	2	7	0.64	8.58	8.58	8.58	1	1.6	0.18	0.16	4
July											
August				7.78	7.78	7.78					
September	4	9	1.09	8.46	8.52	8.58	0.1	0.8	0.06	0.03	8
October	4	6	0.62	8.45	8.45	8.45	0.1	0.7	0.06	0.03	640
November	7	13	0.30	8.24	8.37	8.49	0.1	0.9	0.06	0.03	80
December	4	6	0.105	8.41	5.45	8.49	0.5	0.9	0.54	0.03	540
Max	13	17	1.09			9.46	7.6	8.1	1.26	0.16	980
Average	5.5	8.7	0.525		8.25		1.85	2.48	0.358	0.064	242
Min	2	3	0.30	7.56			0.1	0.7	0.06	0.03	4
ECA Limit	30	40	1.0								
ECA Objective	25	30	1.0	6.0 – 9.5 at all times							

* E.coli average is calculated as a geometric mean

Only those monitoring results collected during the corresponding time period shall be used in calculating the seasonal average concentration

Flow Volumes				
Month	Total Volume (m ³)	Avg Daily Flow (m ³ /d)	Peak Daily Flow (m ³ /d)	Effluent Volumes (m ³)
January	7,137	230.23	252	4,487
February	6,395	228.39	256	4,736
March	15,077	486.35	680	9,573
April	16,471	549.03	639	13,927
May	7,434	239.81	357	5,819
June	6,430	214.33	221	173
July	7,166	231.16	258	0
August	7,080	228.39	236	717
September	7,028	234.27	249	3,496
October	8,784	283.35	372	1,201
November	6,723	224.1	240	7,214
December	10,484	338.19	478	5,685
Total	106,209			57,028
Average		290.98		
Maximum			680	



Year	Total Raw Sewage Flow m ³ /d	Avg Day Sewage Flow m ³ /d	Max Day Sewage Flow m ³ /d	Avg Day % of rated capacity 495 m ³ /d
2022	106,209	290.98	680	59%
2021	96,021	263.1	542	53%
2020	110,574	302.11	1,268	61%
2019	117,818	332.79	1,392	67%

The annual average flows measured into the sewage lagoon did not exceed the specified rated capacity of the facility.

The average raw daily sewage flows (290.98 m³/d) were approximately 59% of the rated capacity. The highest recorded peak flow occurred in March (680 m³/d) and was approximately 137% of the average rated capacity. Peak flows observed throughout March and April flows are attributed to the spring freshet and infiltration.

The total raw sewage flow into the lagoons for the year was calculated to be 106,209m³.

The calculated monthly average of TP for the month of September is 1.09 mg/L. The Operator indicated that there were no significant incidents to cause the exceedance. However, there were significantly lower than average flows during the summer and effluent was held back for some portion. The lagoon began discharging again in September with the first sample results coming



in above 1.0 and lowering as the month progressed. (1.29 mg/L, 1.12 mg/L & 0.86 mg/L). All other compliance limits were met in 2022.

All objective limits were met throughout the year.

In an effort to meet compliance and objective limits, aeration and ferric injection are components of the process.

The operator did not observe a visible film, sheen, foam or discoloration on the receiving waters nor did he notice floating or settleable solids at any time during discharge of the lagoons.

The total effluent discharge from the lagoons for the year was 57,028m³.

Based on the above monitoring program and sampling records, the sewage works provided adequate treatment within the required average daily flows while providing a quality effluent.

SECTION 5: Facility Upsets & Non Compliances

Due to the high temperatures and lack of rain experienced during the summer, there was very little to no effluent flows in June, July and August. As a result, the Operator was unable to collect effluent samples in July. Effluent flows began recording again on August 28th however; the Operator was not able to get onsite to check for flows until September 1st. Since the effluent flows began so late in August, the Operator was unable to collect an effluent sample in time.

The calculated monthly average of TP for the month of September is 1.09 mg/L. The Operator indicated that there were no significant incidents to cause the exceedance. However, there were significantly lower than average flows during the summer and effluent was held back for some portion. The lagoon began discharging again in September with the first sample results coming in above 1.0 and lowering as the month progressed. (1.29 mg/L, 1.12 mg/L & 0.86 mg/L).

There were no additional process issues, spills or bypasses experienced in 2022.

SECTION 6: Maintenance

Plant maintenance is monitored using a Work Management System (WMS). Maintenance reports are attached as [Appendix A](#). There was no major maintenance for 2022.

A V-Notch flow meter is used to measure effluent flows from the lagoon, this was calibrated May 20, 2022. Another flow meter is used to measure raw flows; the raw flow meter was calibrated May 20, 2022. Verification records are maintained on site and electronically on the OCWA Hub server.

SECTION 7: Complaints

There were no community complaints for the 2022 reporting period.



Appendix A Plant Maintenance

On Site Flow Meter Verification Certificate



148 Fleming Street, Suite 5,
Espanola, Ontario P5E 1R8
Tel - 705-869-5578 Fax - 705-869-4374

Facility Name: Manitowaning Lagoon
Address: _____

Contact: Peter

Date of Verification: May 20 2022
Verification Pass/Fail: Pass
Comment: _____

Calibration required upon verification fail

Flow Meter Information

Description: Raw Waste Water
Manufacturer: E+H
Serial No: P207F116000
WMS ID: N/A
Max. Permissible Error (MPE): 15%
 (5% for Water, 15% for Waste Water)

Verification Unit	Description	Serial No.	WMS ID	Last Calibrated	Due Date
TransPort PT 878	Portable Ultrasonic Liquid Analyzer	10044		Mar-22	Mar-23

Verification Parameters and Conditions

Pipe Construction: 6" CPVC
Transducer Used: 402
Wall Thickness: Sch 10
Outside Diameter: 6.625"
Transducer Spacing: 5.6"
Water Temperature: 12
Sound Speed m/s: 1455
Measured Value: 61%

Calibration Points	Flow Meter Measured Value	Panametrics Measured Value	Units of Measurement	MPE +/- 5%	% MPE
1	15.2	14.6	l/s		96%

Name (Print) Jon McDonald

On Site Flow Meter Verification Certificate



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

148 Fleming Street, Suite 5,
Espanola, Ontario P5E 1R8
Tel - 705-869-5578 Fax - 705-869-4374

Facility Name: Manitowaning Lagoon
 Address: _____
 Contact: Peter

Date of Verification: May 20 2022
 Verification Pass/Fail: Pass
 Comment:
used V-Notch/Weir Calculator on Imnoeng.com

Flow Meter Information

Description: Lagoon Outfall Flow
 Manufacturer Milltronics
 Serial No: _____
 WMS ID: _____
 Max. Permissible Error (MPE) 15%

Verification Unit	Description	Serial No.	WMS ID	Last Calibrated	Due Date

Verification Parameters and Conditions

Flume Type : _____
 Notch Angle (Degrees): 45
 Head (in): 3.25
 Flow (l): _____
 Range @ Zero Flow (m): _____
 Blanking Distance (m): _____
 Zero Offset (mm): _____
 Transducer Height-min (m): _____

Calculations:

Solve for: Discharge Click to Calculate Initial Values

Discharge Q: 18.433868 gal/min (gpm)

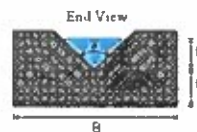
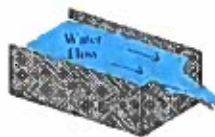
Head h: 3.25 inch

Notch Angle, θ : 45 degrees

Discharge Coefficient C: 0.5801743

Head Correction Factor k: 0.059054048 inch

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Flow Meter reading:
1.2 l/s

Calculation:
1.16 l/s

%MPE:
103% (Pass)

Name (Print) Jon McDonald

Report Start Date: Jan 1, 2022 12:00 AM

Report End Date: Dec 31, 2022 11:59 PM

Location: 5990*

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

Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			Work Log Detail		
				Type	Class	FQO	Units	Work Order Description	Status	Schedule Start		Actual Start	Actual Finish
2608520		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	PM	Inspection	1	MONTHS	Critical Alarm, Dialer Testing (1m) 5990	CLOSE	11/22 12:00 AM	11/22 03:21 PM	11/22 03:21 PM	Critical Alarm/Dialer Testing (1m) 5990 -Complete WO for January for critical alarm dialer. Switch both SLS pumps to off position to create an alarm. Ensure alarm received by on call operator (JT), all good
2608520		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	OPER	Inspection	1	YEARS	Daily O&M Activities (1y) 5990	COMP	11/22 12:00 AM	12/23 03:59 PM	12/23 03:59 PM	Mar 02 Pulled Pump - Worked with operator and electrician to pull pump Apr 21 Pump Troubleshooting - Worked with operator to try and get SPS pump #2 operating Apr 20 Pump Install - Worked with operator and electrician to install SPS pump #2.
2608520		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5990	CLOSE	11/22 12:00 AM	11/422 08:57 AM	11/422 08:57 AM	Health And Safety Inspection (1m) 5990 -Complete monthly H&S WO for January. Check fire extinguisher and invert unit. Check first aid kit untouched. Check portable eye wash station. All good.
2608520		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	OPER	Health and Safety	1	YEARS	WHMIS/MSDS/NSF Review And Update (1y) 5990	CLOSE	11/22 12:00 AM	11/422 10:32 AM	11/422 10:32 AM	- Reviewed.
2610522		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5990	CLOSE	11/22 12:00 AM	12/22 12:49 PM	12/22 12:49 PM	TPM Inspection/Maintenance (1m) 5990 -Complete monthly WO for TPM for January. Check lagoon banks and sensors for abnormal noise and vibration. Change fittings on loric pump and check board. Check wet well for buildup on screens and dry well for abnormal noise.
2611120		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5990	CLOSE	11/22 12:00 AM	1/22 11:12 AM	1/22 11:12 AM	WISKI Review (1m) 5990 -complete Wiski data entry and review for month of December.

Report Start Date: Jan 1, 2022 12:00 AM

Report End Date: Dec 31, 2022 11:59 PM

Location: 5990*

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

Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder Type	Class	PM Schedule	Work Order Description	Status	Schedule Start	Actual Start	Actual Finish	WorkLog Detail
2652713			5990, Assignnack WWTL & CS	PM	Inspection	1 YEARS	Facility Asset Review - 5990	CLOSE	11/1/22 12:00 AM	11/4/22 10:35 AM	11/4/22 10:35 AM	- Work order completed however not closed by operator
2652741	000023488	MIXER ALUM	5990, Assignnack WWTL & CS, Process	CORR	Refurbish/ Replace Repair	0	5990 Maintonaning Lagoon, Chemical Transfer Pump	CLOSE	3/28/22 02:45 PM	3/28/22 02:45 PM	3/28/22 02:45 PM	-Replacement f existing chemical transfer pump with a new more robust option. The current pump requires replacement at least once per year. It is hoped that this solution will provide many years of use.
2652749			5990, Assignnack WWTL & CS	PM	Inspection	1 MONTHS	Critical Alarm Dialer Testing (1m) 5990	CLOSE	2/1/22 12:00 AM	2/25/22 10:27 AM	2/25/22 10:27 AM	-Critical Alarm/Dialer Testing (1m) 5990 -Complete monthly WO for critical alarm dialer test. Simulate SLS pumps failure. Ensure alarm received by on call operator (KW). Reset alarm. All good.
2652746			5990, Assignnack WWTL & CS	PM	Health and Safety	1 MONTHS	Health And Safety Inspection (1m) 5990	CLOSE	2/1/22 12:00 AM	2/25/22 10:17 AM	2/25/22 10:17 AM	-Health And Safety Inspection (1m) 5990 -Complete monthly H&S WO for February. Check PPE supplies onsite. Check first aid kit and portable eye wash unit. Check fire extinguisher and invert unit. All good.
2652717			5990, Assignnack WWTL & CS	PM	Inspection	1 MONTHS	TPM Inspection Maintenance (1m) 5990	CLOSE	2/1/22 12:00 AM	2/25/22 10:22 AM	2/25/22 10:22 AM	-TPM Inspection Maintenance (1m) 5990 -Complete monthly TPM WO for February. Check lagoon and do walk around to check for abnormal noise or vibrations on aerators from shore. Check ferric pump and board. Repair small leak on ferric discharge line. Issues with SLS pump #2, scheduled to be removed and sent for repair on Wed March 2

Report Start Date: Jan 1, 2022 12:00 AM

Report End Date: Dec 31, 2022 11:59 PM

Location: 5990*

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

Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details				Work Log Detail
				Type	Class	FFO	Units	Status	Schedule Start	Actual Start	Actual Finish	
		5990, Assignack WWTL & CS		OPER	Compliance	1	MONTHS	CLOSE	2/1/22 12:00 AM	2/3/22 03:14 PM	2/3/22 03:14 PM	WISKI Review (Im) 5990 -Complete WO for Wisk data entry and review for month of January. All good.

Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5990*
 Work Order Type: CALL,CAP,CORR,EMER,OPER,PM
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail	
				Type	Class	FFQ	Units	Status	Work Order Description	Schedule Start		Actual Start
265124	000023482	PUMP SUBMERGIBLE, LIFT STATION PUMP #1	5990, Assignmck WWTL & CS, Process, Headworks, Lift Stations	CAP	Refurbish/ Replace/Repair	0		CLOSE	5990 Maniowanning SLS pump #2 repair	11/4/22 02:45 PM	11/4/22 02:45 PM	electrical troubleshooting from starter in plant showed the motor in the lift station will have to be sent out for service/repair. a confined space entry will be required to remove the motor/pump. dixon ty reps wire connectors soucie sale - gloves 5990 Maniowanning SLS pump #2 repair Sewage pump #2 has failed and will need to be repaired. SHAFT NEEDS TO BE REPAIRED WHERE SEAL SITS/SEAL LEAKED UPPER AND LOWER/MOTOR WINDINGS ARE BAD NEEDS NEW MOTOR/IMPELLER IS GOOD/TERMINALS IN PUMP TOP ARE CORRODED BAD The replacement cost for this pump is \$54,720.00 april 20 installed pump. started tripped on leak fault. called Xylem to for assistance and said they would be out friday

Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5990*
 Work Order Type: CALL-CAP-CORRE-EMER-OPER-PM
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail	
				Type	Class	FEQ	Units	Status	Schedule Start	Actual Start		Actual Finish
2699115		5990, Assignmack WWTL & CS		PM	Inspection	1	MONTHS	CLOSE	3/1/22 12:00 AM	3/18/22 01:39 PM	3/18/22 01:39 PM	april 22 - system adjusted empeller height and tried pump. - faulted on leak fault... tried bypassing sensor to see if issue would clear but did not. - will monitor motor and system to follow up with sensor issue.
2699116		5990, Assignmack WWTL & CS		PM	Health and Safety	1	MONTHS	CLOSE	3/1/22 12:00 AM	3/18/22 01:33 PM	3/18/22 01:33 PM	Critical Alarms/Dialer Testing (1m) 5990 - Complete monthly WO for auto dialer. Test Hi Level alarm at lift station. Ensure alarm call to auto dialer received by on call operator (KW). Reset alarm. All good. Health And Safety Inspection (1m) 5990 - Complete monthly H&S WO for March. Check first aid kit and fire extinguisher. Check portable eye wash station. Check PPE onsite. All good.
2700185		5990, Assignmack WWTL & CS		PM	Inspection	1	YEARS	CLOSE	3/1/22 12:00 AM	12/15/22 07:39 PM	12/15/22 07:39 PM	Electrical Equipment Inspection Service (1y) 5990 Maintowaning WWTL
2701595		5990, Assignmack WWTL & CS		PM	Inspection	1	MONTHS	CLOSE	3/1/22 12:00 AM	3/23/22 11:49 AM	3/23/22 11:49 AM	TPM Inspection/Maintenance (1m) 5990 - Complete monthly WO for TPM for March. Check ferris pump and board operation. Check connections on ferric discharge line and discharge point. Complete lagoon walk around and check sensors from shore for abnormal noise and vibrations. Check effluent discharge concrete structure. SLS pump #2 still out for repairs to shaft / seals / windings.

Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5990*
 Work Order Type: CALL,CAP,CORR,EMER,OPER,PM
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail		
				Type	Class	FEO	Units	Work Order Description	Status	Schedule Start		Actual Start	Actual Finish
27031004		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	OPER	Compliance	1	MONTHS	WWSKI Review (1m) 5990	CLOSE	3/17/22 12:00 AM	3/8/22 12:44 PM	3/8/22 12:44 PM	WWSKI Review (1m) 5990 - Complete WWSKI data entry and review for month of February. All good.
27222549		Assignmack Wastewater Treatment Lagoon & Collection System	Assignmack Wastewater Treatment Lagoon & Collection System	CALL	Compliance	0		Assignmack Wastewater Treatment Lagoon & Collection System high level	CLOSE	3/6/22 11:00 AM	3/6/22 04:00 PM		Assignmack Wastewater Treatment Lagoon & Collection System high level Assignmack Wastewater Treatment Lagoon & Collection System high level Rain caused high level no bypass
27222600		5990, Assignmack WWTL & CS, Process, Headworks, Lift Stations	5990, Assignmack WWTL & CS, Process, Headworks, Lift Stations	CAP	Refurbish/ Replace/Repair	0		5990 LS hi level sewage truck haul	CLOSE	3/31/22 10:19 AM	3/31/22 10:24 AM		5990 LS hi level sewage truck haul - Contacted early this morning by on call operator (Rt) of high level at lift station as a result of high rainfall and runoff. On arrival contact Wally's Septic to haul from LS to lagoon. Monitor LS level throughout.
27222622		5990, Assignmack WWTL & CS, Process, Headworks, Lift Stations	5990, Assignmack WWTL & CS, Process, Headworks, Lift Stations	CALL	Inspection	0		5990 Maintowning SPS High Level	CLOSE	3/31/22 04:00 AM	3/31/22 07:30 AM		Mar. 31 High Level Alarm - Called for high level alarm - Slow response due to horrid weather conditions - Level had yet to trip the high level float upon arrival - Ram had stopped and station was holding subtle and gassing slightly. - Regular operator resumed duties at the start of shift and took over site monitoring
27222635		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5990	CLOSE	4/17/22 12:00 AM	4/27/22 02:51 PM	4/27/22 02:51 PM	Critical Alarm/Dialer Testing (1m) 5990 -Complete WO for auto dialer testing for month of April. Simulate failure of both #1&2 SLS pumps. Verify alarm sent via auto dialer to on call operator (Rt). Reset pumps and alarms.

Report Start Date: Jan 1, 2022 12:00 AM

Report End Date: Dec 31, 2022 11:59 PM

Location: 5990*

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

Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail		
				Type	Class	Class	Units	Work Order Description	Status	Schedule Start		Actual Start	Actual Finish
274861		5990, Assignnack WWTL & CS		PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5990	CLOSE	4/1/22 12:00 AM	4/27/22 02:54 PM	4/27/22 02:54 PM	Health And Safety Inspection (1m) 5990 - Complete monthly H&S WO for April. Check fire extinguisher and invert unit. Check portable eye wash station fluid level. Check first aid kit and add regular bandages. Ensure safety supplies available at lagoon. TPM Inspections/Maintenance (1m) 5990 - Complete monthly TPM WO for April. Check torque board and line. Verify ferric discharge point. Lagoon walk around to check aerators from shore. No abnormal sounds or vibrations. #2 SLS pump put back into service. All good.
274861		5990, Assignnack WWTL & CS		PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5990	CLOSE	4/1/22 12:00 AM	4/27/22 02:58 PM	4/27/22 02:58 PM	TPM Inspections/Maintenance (1m) 5990 - Complete monthly TPM WO for April. Check torque board and line. Verify ferric discharge point. Lagoon walk around to check aerators from shore. No abnormal sounds or vibrations. #2 SLS pump put back into service. All good.
275124		5990, Assignnack WWTL & CS		OPER	Compliance	1	MONTHS	WISKI Review (1m) 5990	CLOSE	4/1/22 12:00 AM	4/5/22 10:31 AM	4/5/22 10:31 AM	WISKI Review (1m) 5990 - Complete WO for Wiski data entry and review for month of March. All good.
277192		5990, Assignnack WWTL & CS, Process, Headworks, Lift Stations		CALL	Refurbish/ Replace/Repair	0		5990 high rainfall causing runoff to SLS	CLOSE		4/6/22 10:34 PM	4/6/22 10:44 PM	5990 high rainfall causing runoff to SLS - Contacted by ORO (JT) of HI level in sewage lift station as a result of high rainfall and runoff. SLS down to only one pump as second one EOS. Contact Wally's to haul loads to lagoon to handle runoff. Monitor pump #1 flow rate and wet well level during high flow event.
277818		5990, Assignnack WWTL & CS, Process, Headworks, Lift Stations		CALL	Refurbish/ Replace/Repair	0		5990 high rainfall causing runoff to SLS	CLOSE		4/14/22 09:14 AM	4/14/22 09:22 AM	5990 high rainfall causing runoff to SLS - Call in for sewage general Alarm. On arrival SLS at hi level as a result of heavy rain and runoff. Contact Wallys. Septic to get truck to haul to lagoon. Continue to monitor level in SLS.

Report Start Date: Jan 1, 2022 12:00 AM

Report End Date: Dec 31, 2022 11:59 PM

Location: 5990*

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

Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail	
				Type	Class	REQ	Units	Work Order Description	Status	Schedule Start		Actual Start
2776401		5990, Assignmack WWTL & CS, Process, Headworks, Lift Stations	5990, Assignmack WWTL & CS, Process, Headworks, Lift Stations	CAP	Refurbish/ Replace/Repair	0		5990 high rainfall causing runoff to SLS	CLOSE	4/22/22 02:34 PM	4/22/22 02:38 PM	5990 high rainfall causing runoff to SLS - High rainfall causing runoff to sewage lift station. Call in Wally's Septic to haul loads to lagoon to manage lift station runoff. Monitor lift station level and pump flows during runoff event.
2776402		5990, Assignmack WWTL & CS, Process, Headworks, Lift Stations	5990, Assignmack WWTL & CS, Process, Headworks, Lift Stations	CAP	Refurbish/ Replace/Repair	0		5990 high rainfall causing runoff to SLS	CLOSE	4/25/22 09:01 AM	4/25/22 09:05 AM	5990 high rainfall causing runoff to SLS - Called in by ORO (RG) as a result of storm and heavy rainfall. On arrival ORO had already called Wally's sewage hauling so set up to haul loads to lagoon as a result of high level of rain and runoff from storm. Monitor SLS levels and trending on WindowViewer.
2776403		5990, Assignmack WWTL & CS, Process, Headworks, Lift Stations	5990, Assignmack WWTL & CS, Process, Headworks, Lift Stations	CALL	Refurbish/ Replace/Repair	0		5990 call in by ORO (RG) HI level SPS	CLOSE	4/24/22 09:30 PM	4/24/22 11:00 PM	5990 call in by ORO (RG) HI level SPS - Called in by ORO (RG) as a result of HI Level alarm at SLS. ORO contacted Wally's to haul loads to lagoon as a result of high level of rainfall causing runoff to SLS. Check SLS and set up with truck to haul loads to lagoon. Monitor SPS levels and pump cycles till inflow returned to rate that pumps could handle without truck.
2777210		5990, Assignmack WWTL & CS, Process, Headworks, Lift Stations	5990, Assignmack WWTL & CS, Process, Headworks, Lift Stations	CALL	Inspection	0		5990 Maintaining SPS Low Level	CLOSE	4/24/22 03:45 AM	4/24/22 05:45 AM	Apr. 24 Lift Station Low Level - Called for low level alarm. - Pumps and level restored to normal operation upon arrival. - Possible cause could have been a loss of ecto from the transducer. - Monitored pump cycles for proper operation. All ok!

Report Start Date: Jan 1, 2022 12:00 AM

Report End Date: Dec 31, 2022 11:59 PM

Location: 5990*

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

Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail		
				Type	Class	FEQ	Units	Status	Work Order Description	Schedule Start		Actual Start	Actual Finish
2794316		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	PM	Inspection	1	MONTHS	CLOSE	Critical Alarms/Dialer Testing (1m) 5990	5/17/22 12:00 AM	5/27/22 12:31 PM	5/27/22 12:31 PM	Critical Alarms/Dialer Testing (1m) 5990 - Complete auto dialer WO for May. Simulate SLS pump failure and ensure on call operator (RG) receives alarm. Reset pumps and alarm following test. All good.
2794322		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	PM	Health and Safety	1	MONTHS	CLOSE	Health And Safety Inspection (1m) 5990	5/17/22 12:00 AM	5/17/22 01:56 PM	5/17/22 01:56 PM	Health And Safety Inspection (1m) 5990 - Complete Lagoona H&S WO for month of May. Check fire extinguisher and portable eye wash unit. Check first aid kit. Verify sufficient safety supplies onsite.
2794325		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	PM	Inspection	1	MONTHS	CLOSE	TPM Inspection/Maintenance (1m) 5990	5/17/22 12:00 AM	5/27/22 12:35 PM	5/27/22 12:35 PM	TPM Inspection/Maintenance (1m) 5990 - Complete monthly WO for TPM for May. Check ferric pump board and lines. Verify ferric discharge point. Do lagoona walk around and verify no abnormal noise or vibration from aerators. Check SLS bar screens and dry well. All good.
2794326		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	OPER	Compliance	1	MONTHS	CLOSE	WISKI Review (1m) 5990	5/17/22 12:00 AM	5/6/22 12:20 PM	5/6/22 12:20 PM	WISKI Review (1m) 5990 - Complete WO for Wiski data and review for month of April. All good.
2818688		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	PM	Calibration	1	YEARS	CLOSE	Flow Meter Calibration (1y) 5990 Maintaining WWTL May 5	6/14/22 12:00 AM	5/20/22 11:18 AM	5/20/22 11:18 AM	
2843326		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	PM	Inspection	1	MONTHS	CLOSE	Critical Alarms/Dialer Testing (1m) 5990	6/17/22 12:00 AM	6/17/22 01:56 PM	6/17/22 01:56 PM	Critical Alarms/Dialer Testing (1m) 5990 - Complete monthly WO to test auto dialer. During power outage today ensure call to auto dialer received by on call operator (RG). All good.
2843351		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	PM	Health and Safety	1	MONTHS	CLOSE	Health And Safety Inspection (1m) 5990	6/22/22 02:31 AM	6/22/22 02:31 PM	6/22/22 02:31 PM	Health And Safety Inspection (1m) 5990 - Complete monthly I&S WO for June. Check fire extinguisher and first aid kit. Bring new PPE stock to lagoona. Add 10 l solution to portable eye wash unit. All good.

Report Start Date: Jan 1, 2022 12:00 AM

Report End Date: Dec 31, 2022 11:59 PM

Location: 5990*

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

Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail	
				Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start		Actual Start
2843623		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	PM	Health and Safety	1	YEARS	Fire Protection System Inspection (1y) 5990	CLOSE	6/1/22 12:00 AM	11/4/22 01:09 PM	11/4/22 01:09 PM
2844364		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5990	CLOSE	6/1/22 12:00 AM	6/29/22 12:31 PM	6/29/22 12:31 PM
2845262		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5990	CLOSE	6/1/22 12:00 AM	6/8/22 09:34 AM	6/8/22 09:34 AM
2845262		Assignmack Wastewater Treatment Lagoon & Collection System	Assignmack Wastewater Treatment Lagoon & Collection System	CALL	Compliance	0		Assignmack Wastewater Treatment Lagoon & Collection System	CLOSE	5/31/22 07:30 PM	5/31/22 08:45 PM	5/31/22 08:45 PM
2867001		Assignmack Wastewater Treatment Lagoon & Collection System	Assignmack Wastewater Treatment Lagoon & Collection System	CALL	Refurbish/ Replace-Repair	0		Assignmack Wastewater Treatment Lagoon & Collection System sewage alarm	CLOSE	6/1/22 07:45 PM	6/1/22 09:00 PM	6/1/22 09:00 PM

Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5990*
 Work Order Type: CALL,CAP,CORR,EMER,OPER,PM
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail	
				Type	Class	FEQ	Units	Status	Schedule Start	Actual Start		Actual Finish
283734		Assignmack Wastewater Treatment Lagoon & Collection System	Assignmack Wastewater Treatment Lagoon & Collection System	CALL	Refurbish/ Replace/Repair	0		CLOSE		6/25/22 06:30 AM	6/25/22 08:30 AM	Assignmack Wastewater Treatment Lagoon & Collection System sewage alarm
283734		5990, Assignmack WWTL & CS		PM	Inspection	1	MONTHS	CLOSE		7/1/22 12:00 AM	7/18/22 02:55 PM	Assignmack Wastewater Treatment Lagoon & Collection System sewage alarm Aeration pump 2 ncc blew up upon reset unable to clear sewage alarm from dialer Critical Alarms/Dialer Testing (1m) 5990 - Test Critical Alarm dialer for July WO. Initiate SLS pump failure alarm and ensure alarm received by on call operator (RG). Reset pump sequence and clear alarm dialer. All good.
283732		5990, Assignmack WWTL & CS		PM	Health and Safety	1	MONTHS	CLOSE		7/1/22 12:00 AM	7/18/22 02:52 PM	Health And Safety Inspection (1m) 5990 - Complete monthly H&S WO for July. Check portable eye wash station and verify First aid kit contents unused. Check fire extinguisher and invert unit. Check PPE for lagoon available. All good.
283720		5990, Assignmack WWTL & CS		PM	Inspection	1	MONTHS	CLOSE		7/1/22 12:00 AM	7/20/22 03:22 PM	TPM Inspection/Maintenance (1m) 5990 - Complete TPM WO for July. Check aerators from shore for abnormal sounds or vibrations. Check ferric board and pump. Check ferric injection point on aerator #3. Check SLS wet and dry well. Test HI Level alarm in dry well. All good.
283630		5990, Assignmack WWTL & CS		OPER	Compliance	1	MONTHS	CLOSE		7/1/22 12:00 AM	7/18/22 02:47 PM	WISKI Review (1m) 5990 - Complete monthly Wisk data entry and review for month of July. Enter previous months data and review. All good.

Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5990*
 Work Order Type: CALL,CAP,CORREMER,OPER,PM
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail			
				Type	Class	Refurbish/ Replace/Repair	Class	Units	Work Order Description	Status		Schedule Start	Actual Start	Actual Finish
2910023	0000235398	AERATOR MECHANICAL #2	5990, Assignnack WWTL & CS, Process, Sludge Treatment & Handling, Aeration	CAP	Refurbish/ Replace/Repair		0		5990 Maintoinaning Lagouon aerator failure	CLOSE		12/15/22 08:08 PM	12/15/22 08:08 PM	electrical - call operator reported aerator failure, when there is 1 alarm active for the lagouon/waste water it locks out all other alarms so immediate action was required incase of heavy rains (would not receive a SLS high level and could overflow) - starter failed for Aerator #2, ordered replacement parts from Dixon starter repair - repaired starter, will schedule to replace motor/cable connections. - Critical Alarm/Dialer Testing (1m) 5990 - Complete monthly WO to test auto dialer for August. Buildup on bar screens caused false to level alarm. Alarm received by on call operator (KW). Reset alarm and make arrangements to clean bar screens. - Health And Safety Inspection (1m) 5990 - Complete monthly H&S WO for August. Check PPE supplies at lagouon and check eye wash station contents. Check first aid kit and fire extinguisher.
2910024		5990, Assignnack WWTL & CS		PM	Inspection		1	MONTHS	Critical Alarm/Dialer Testing (1m) 5990	CLOSE	8/1/22 12:00 AM	8/10/22 02:04 PM	8/10/22 02:04 PM	
2910028		5990, Assignnack WWTL & CS		PM	Health and Safety		1	MONTHS	Health And Safety Inspection (1m) 5990	CLOSE	8/1/22 12:00 AM	8/26/22 02:55 PM	8/26/22 02:55 PM	
2911521		5990, Assignnack WWTL & CS		PM	Inspection		1	MONTHS	TPM Inspection Maintenance (1m) 5990	CLOSE	8/1/22 12:00 AM	8/26/22 02:58 PM	8/26/22 02:58 PM	TPM Inspection-Maintenance (1m) 5990 - Complete monthly TPM WO for August. Check aeration system and notify manager that now only have 3 of 9 aerators functioning. Electrician onsite yesterday and mechanical here today to try to get aerators working. Check ferric pump and supply lines.

Report Start Date: Jan 1, 2022 12:00 AM

Report End Date: Dec 31, 2022 11:59 PM

Location: 5998*

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

Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder Type	WorkOrder Class	PM Schedule	Work Order Description	Status	Schedule Start	Actual Start	Actual Finish	WorkLog Detail
2443160			5990, Assignnack WWTL & CS	OPER	Compliance	1 MONTHS	W/SKI Review (1m) 5990	CLOSE	8/1/22 12:00 AM	8/12/22 03:48 PM	8/12/22 03:48 PM	W/SKI Review (1m) 5990 - Complete monthly date entry and review WO for month of July. All good.
2465275			5990, Assignnack WWTL & CS, Facility, Power Distribution	CALL	Inspection	0	5990 Maintaining Lagoon Power Interruption	CLOSE		8/12/22 06:15 PM	8/12/22 08:46 PM	Aug 12 Power Interruption - Restarted aerators
2467957			Assignnack Wastewater Treatment Lagoon & Collection System	CALL	Refurbish/ Replace/Repair	0	Assignnack Wastewater Treatment Lagoon & Collection System sewage general alarm	CLOSE		8/25/22 07:00 PM	8/25/22 08:30 PM	Assignnack Wastewater Treatment Lagoon & Collection System sewage general alarm Assignnack Wastewater Treatment Lagoon & Collection System sewage general alarm Called for aeration fault at lagoon Jon M working on aeration system, assisted in getting fault alarm to clear on the dialer
2467967	000023440	AERATOR MECHANICAL #8	5990, Assignnack WWTL & CS, Process, Sludge Treatment & Handling, Aeration	CAP	Refurbish/ Replace Repair	0	5990 Maintaining Lagoon aerator failure	CLOSE		11/4/22 02:49 PM	11/4/22 02:49 PM	electrical while onsite for another issue found aerator #8 starter in need of repair. will order parts from dixon
2468041			5990, Assignnack WWTL & CS, Process, Headworks, Pumping	CALL	Refurbish/ Replace Repair	0	5990 Sewage general alarm	CLOSE		8/29/22 03:45 AM	8/29/22 05:00 AM	5990 Sewage general alarm - Call in to for sewage general alarm. Power outage all over the island. Power outage caused SLS pump #1 to trip. Reset pump and checked it was cycling properly. Reset alarms and move to next plant. All good.
2468704			5990, Assignnack WWTL & CS	PM	Inspection	1 MONTHS	Critical Alarm/Dialer Testing (1m) 5990	CLOSE	9/1/22 12:00 AM	9/26/22 03:11 PM	9/26/22 03:11 PM	Critical Alarm/Dialer Testing (1m) 5990 - Complete monthly auto dialer WO for September. Simulate both SPS pumps fail to start alarm. Ensure alarm sent to auto dialer and received by on call operator (PKB). Reset alarm. All good.

Report Start Date: Jan 1, 2022 12:00 AM

Report End Date: Dec 31, 2022 11:59 PM

Location: 5990*

Work Order Type: CALL,CAP,CORREMER,OPER,PM

Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details				Work Log Detail	
				Type	Class	FFQ	Units	Work Order Description	Status	Schedule Start	Actual Start		Actual Finish
2067010		5990, Assignnack WWTL & CS	5990, Assignnack WWTL & CS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5990	CLOSE	9/1/22 12:00 AM	9/14/22 02:43 PM	9/14/22 02:43 PM	Health And Safety Inspection (1m) 5990 - Complete monthly H&S WO for September. Check portable eye wash station and PPE supplies on site. Check first aid kit and fire extinguisher and invert extinguisher. All good. TPM Inspection Maintenance (1m) 5990 - Complete monthly TPM inspection. Check ferric pump operation and discharge lines. Notify manager down to 3 of 9 aerators at lagoon. Lagoon walk around listen for abnormal noise or vibration on remaining three aerators. Check SLS dry well and wet well and bar screen condition.
2068110		5990, Assignnack WWTL & CS	5990, Assignnack WWTL & CS	PM	Inspection	1	MONTHS	TPM Inspection Maintenance (1m) 5990	CLOSE	9/1/22 12:00 AM	9/26/22 03:14 PM	9/26/22 03:14 PM	TPM Inspection Maintenance (1m) 5990 - Complete monthly TPM inspection. Check ferric pump operation and discharge lines. Notify manager down to 3 of 9 aerators at lagoon. Lagoon walk around listen for abnormal noise or vibration on remaining three aerators. Check SLS dry well and wet well and bar screen condition.
2090101		5990, Assignnack WWTL & CS	5990, Assignnack WWTL & CS	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5990	CLOSE	9/1/22 12:00 AM	9/16/22 01:52 PM	9/16/22 01:52 PM	WISKI Review (1m) 5990 - Complete monthly WO for Wiski data entry and review for August. All good.
2105111		Assignnack Wastewater Treatment Lagoon & Collection System	Assignnack Wastewater Treatment Lagoon & Collection System	CALL	Refurbish/ Replace Repair	0		Assignnack Wastewater Treatment Lagoon & Collection System	CLOSE	9/1/22 05:45 PM	9/17/22 07:00 PM	9/17/22 07:00 PM	Assignnack Wastewater Treatment Lagoon & Collection System power bump caused alarm, cleaned alarms and dialer
2106010		5990, Assignnack WWTL & CS	5990, Assignnack WWTL & CS	PM	Inspection	1	MONTHS	Critical Alarms Dialer Testing (1m) 5990	CLOSE	10/1/22 12:00 AM	10/27/22 10:21 AM	10/27/22 10:21 AM	Critical Alarms/Dialer Testing (1m) 5990 - Complete monthly auto dialer WO for October. Initiate High Level wet well alarm. Ensure auto dialer calls out and on call operator (KW) receives call. Adjust setpoints and clear auto dialer. All good.



Workorder Summary Report

Report Start Date: Jan 1, 2022 12:00 AM

Report End Date: Dec 31, 2022 11:59 PM

Location: 5990*

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

Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Work Order Description	Workorder Details			WorkLog Detail
				Type	Class	FFQ	Units		Status	Schedule Start	Actual Start	
1017104		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5990	CLOSE	10/17/22 12:00 AM	10/27/22 10:54 AM	Health And Safety Inspection (1m) 5990 - Complete monthly H&S WO for October. Check lagoon eye wash and first aid kit. Check fire extinguisher and PPE available.
1017104		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5990	CLOSE	10/17/22 12:00 AM	10/31/22 12:05 PM	TPM Inspections Maintenance (1m) 5990 - Complete monthly TPM WO for month of October. Check ferric system and clean suction line foot valve. Check ferric pump operation and tubing. Check SLS wet and dry well. No abnormal sounds or vibration detected from #1 or #2 lift pumps. Acreators being repaired by Wudarek currently. All else good.
1017107		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5990	CLOSE	10/17/22 12:00 AM	10/14/22 02:25 PM	WISKI Review (1m) 5990 - Complete monthly WO for Wiski data entry and review. All good.
1068785		Assignmack Wastewater Treatment Lagoon & Collection System	Assignmack Wastewater Treatment Lagoon & Collection System	CALL	Refurbish/ Replace/Repair	0		Assignmack Wastewater Treatment Lagoon & Collection System sewage alarm	CLOSE	10/31/22 03:30 AM	10/31/22 05:30 AM	Assignmack Wastewater Treatment Lagoon & Collection System sewage alarm - Assignmack Wastewater Treatment Lagoon & Collection System sewage acration pump tripped breaker at lagoon unable to reset alarm
1084155		5990, Assignmack WWTL & CS	5990, Assignmack WWTL & CS	PM	Inspection	1	MONTHS	Critical Alarm Diaker Testing (1m) 5990	CLOSE	11/1/22 12:00 AM	11/29/22 09:14 AM	Critical Alarms/Diaker Testing (1m) 5990 - Complete monthly auto dialer WO for November. On arrival at plant found auto dialer latched as a result of SPS pump #1 fault. Alarm had been received by ORO and verified by OIT (TC). Riser alarm and put pump back into service

Report Start Date: Jan 1, 2022 12:00 AM

Report End Date: Dec 31, 2022 11:59 PM

Location: 5990*

Work Order Type: CALL,CAP,CORREMER,OPER,PM

Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail	
				Type	Class	FEQ	Units	Status	Schedule Start	Actual Start		Actual Finish
3106724		5990, Assignnack WWTL & CS	5990, Assignnack WWTL & CS	PM	Health and Safety	1	MONTHS	CLOSE	11/17/22 12:00 AM	11/29/22 09:01 AM	11/29/22 09:01 AM	Health And Safety Inspection (1m) 5990 - Complete monthly H&S WO for November. Check portable eye wash station and fire extinguisher and invert extinguisher. Check first aid kit and verify PPE supplies onsite.
3106724		5990, Assignnack WWTL & CS	5990, Assignnack WWTL & CS	PM	Inspection	1	MONTHS	CLOSE	11/17/22 12:00 AM	11/30/22 12:24 PM	11/30/22 12:24 PM	TPM Inspection/Maintenance (1m) 5990 - Complete monthly TPM WO for November. Check lagoon and SPS. Verify wet well and dry well. Check bar screens a little bit of build up but ok. Check lagoon ferric pump and suction line. Check aerator operation for abnormal sounds or vibrations from shore. Verify ferric discharge. All good.
3106724		5990, Assignnack WWTL & CS	5990, Assignnack WWTL & CS	OPER	Compliance	1	MONTHS	CLOSE	11/17/22 12:00 AM	11/3/22 03:10 PM	11/3/22 03:10 PM	WISKI Review (1m) 5990 - Complete monthly Wiski data review and entry for October.
3106729		Assignnack Wastewater Treatment Lagoon & Collection System	Assignnack Wastewater Treatment Lagoon & Collection System	CURR	Refurbish/ Replace/Repair	0		COMP		11/15/22 08:32 AM	1/25/23 11:32 AM	5990 - Assignnack WW Collection & Lagoon - Sewage Window Viewer PC Repair - this repair completed and the Manitowaning Lift Station is now viewed on the water plant Scada system.
3107167	0000235488	MIXER ALUM	5990, Assignnack WWTL & CS, Process	CURR	Refurbish/ Replace/Repair	0		COMP		1/25/23 11:09 AM	1/25/23 11:09 AM	5990 Manitowaning Lagoon, Aerator Repairs - Repairs were made to several aerators in preparation for the winter season. 5 aerators were repaired.
3107491		5990, Assignnack WWTL & CS	5990, Assignnack WWTL & CS	PM	Inspection	1	MONTHS	CLOSE	12/1/22 12:00 AM	12/6/22 12:38 PM	12/6/22 12:38 PM	Critical Alarm/Dialer Testing (1m) 5990 - Complete monthly WO to test auto dialer. Simulate SLS pump failure causing alarm to be sent to auto dialer. Ensure on call operator (PKB) receives alarm on call phone. Reset alarm. All good.

Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5990*
 Work Order Type: CALL,CAP,CORR,EMER,OPER,PM
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details			WorkLog Detail		
				Type	Class	Class	Units	Work Order Description	Status	Schedule Start		Actual Start	Actual Finish
445331			5990, Assignnack WWTL & CS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5990	CLOSE	12/1/22 12:00 AM	12/20/22 01:11 PM	12/20/22 01:11 PM	Health And Safety Inspection (1m) 5990 - Complete monthly H&S WO for December. Check portable eye wash station and PPE supplies. Check first aid kit. Check fire extinguisher. All good.
445332			5990, Assignnack WWTL & CS	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5990	CLOSE	12/1/22 12:00 AM	12/20/22 01:18 PM	12/20/22 01:18 PM	TPM Inspection/Maintenance (1m) 5990 - Complete monthly TPM rounds for December. Check aerators from shore no abnormal noise or vibration. Check ferric injection line and discharge point. Check ferric pump board and suction line. Check SLS wet and dry well.
445336			5990, Assignnack WWTL & CS	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5990	CLOSE	12/1/22 12:00 AM	12/5/22 09:59 AM	12/5/22 09:59 AM	WISKI Review (1m) 5990 - Complete Wiski data entry and review for November. All good.