

Espanola Water Pollution Control Plant

Annual Operating Report

ECA 1945-BJ6Q3M
Issued January 20, 2020

January 1, 2021 – December 31, 2021

Prepared by the Ontario Clean Water Agency
For The Corporation of the Town of Espanola



Ontario Clean Water Agency
Agence Ontarienne Des Eaux



SECTION 1: INTRODUCTION

The Ontario Clean Water Agency (OCWA) acts as the operating authority for the Espanola wastewater treatment. This document is prepared by OCWA in accordance with Environmental Compliance Approval (ECA) #1945-BJ6Q3M. The report is required to include the following information:

- (i) A summary and interpretation of all Influent and a review of the historical trend of the sewage characteristics and flow rates;
- (ii) A summary and interpretation of all Final Effluent monitoring data, including concentration, flow rates, loading and a comparison to the design objectives and compliance limits in this Approval, including an overview of the success and adequacy of the Works;
- (iii) A summary of all operating issues encountered and corrective actions taken;
- (iv) A summary of all normal and emergency repairs and maintenance activities carried out on any major structure, equipment, apparatus or mechanism forming part of the Works;
- (v) A summary of any effluent quality assurance or control measures undertaken;
- (vi) A summary of the calibration and maintenance carried out on all Influent, and Imported Sewage monitoring equipment to ensure that the accuracy is within the tolerance of that equipment as required in this Approval or recommended by the manufacturer;
- (vii) A summary of efforts made to achieve the design objectives in this Approval, including an assessment of the issues and recommendations for pro-active actions any are required under the following situations:
 - i. When any of the design objectives is not achieved more than 50% of the time in a year, or there is an increasing trend in deterioration of Final Effluent quality;
 - ii. When the Annual Average Daily Influent Flow reaches 80% of the Rated Capacity;
- (viii) A tabulation of the volume of sludge generated, an outline of anticipated volumes to be generated in the next reporting period and a summary of the locations to were the sludge was disposed;
- (ix) A summary of any complaints received and any steps taken to address the complaints; and
- (x) A summary of all Bypasses, Overflows, other situations outside Normal Operating Conditions and spills within the meaning of Part X of EPA and abnormal discharge events;
- (xi) A summary of all Notice of Modifications to Sewage Works completed under Paragraph 1.d. of Condition 10, including a report on status of implementation of all modification;
- (xii) A summary of efforts made to achieve conformations with Procedure F-5-1 including but not limited to projects undertaking and completed in the sanitary sewer system that result in overall Bypass/Overflow elimination including expenditures and proposed projects to eliminate By[ass/Overflows with estimated budget forecasting for the year following that for which the report is submitted; and



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

SECTION 2: Description of Facility

Capacity of Facility: 4,500 m³ / day (average flow)
Service Area: Town of Espanola
Service Population: 5,364
Effluent Receiver: Spanish River
Major Process: Extended Aeration
Facility Classification: Wastewater Class 2
Collection Classification:

SECTION 3: Executive Summary

Sampling parameters were **not exceeded** during the 2021 reporting period.

The total effluent discharge from the Sewage Treatment Plant for the year was 1,005,658m³.

The total raw sewage flow into the Sewage Treatment Plant for the year was calculated to be 1,005,658m³.

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 flow meter values.

Raw (Influent) Sampling					
Parameter	Frequency	Method	Results		
			Min	Avg	Max
BOD ₅ (mg/L)	Weekly	24hr Composite – External Analysis (Lab)	47	121.1	337
TSS (mg/L)	Weekly	24hr Composite – External Analysis (Lab)	36	181	605
TP (mg/L)	Weekly	24hr Composite – External Analysis (Lab)	1.35	2.66	5.35
TKN (mg/L)	Weekly	24hr Composite – External Analysis (Lab)	12	21.1	41.2
Alkalinity (mg/L as CaCO ₃)	Weekly	24hr Composite – External Analysis (Lab)	88	111.6	164
Flow (m ³ /d)	Daily	Flow meter	1,993	2,755.2	3,649.5

The facility operator collects effluent samples and sends them to an accredited laboratory for analysis. All samples are collected on a weekly basis. Depending on the parameter samples are collected by a composite sampler or by taking a grab sample.



Treated (Effluent) Sampling		
Parameter	Frequency	Method
CBOD ₅	Weekly	24hr Composite – External Analysis (Lab)
TSS	Weekly	24hr Composite – External Analysis (Lab)
TP	Weekly	24hr Composite – External Analysis (Lab)
TAN	Weekly	24hr Composite – External Analysis (Lab)
Nitrite	Weekly	24hr Composite – External Analysis (Lab)
Alkalinity	Weekly	24hr Composite – External Analysis (Lab)
E.Coli	Weekly	Grab – External Analysis (Lab)
pH	Weekly	Grab/Probe – External Analysis (Lab)
Temperature	Weekly	Grab/Probe – External Analysis (Lab)
Flow	Daily	Equal to Raw Flow Rate

Compliance limits are based on monthly discharges for effluent concentrations and effluent loadings. In addition, the effluent is 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.

Treated (Effluent Discharge) Sampling										
Month	CBOD ₅		Suspended Solids		Total Phosphorus		TAN		pH	
	Avg. Eff	Avg. Load	Avg. Eff	Avg. Load	Avg. Eff	Avg. Load	Avg. Eff	Avg. Load	Monthly	Monthly
	mg/L	kg/d	mg/L	kg/d	mg/L	kg/d	mg/L	kg/d	Min	Max
January	2	5.15	4.5	11.6	0.08	0.206	0.1	0.258	6.35	6.5
February	2.75	7.19	21.25	55.6	0.165	0.432	0.125	0.327	6.2	6.43
March	5.4	14.3	6.2	13.4	0.142	0.376	7.68	20.4	6.09	6.11
April	4.5	11.1	5.25	13.0	0.112	0.277	10.8	26.7	6.62	7.22
May	5	13.4	4.25	11.4	0.153	0.409	4.43	11.9	6.8	6.89
June	2.8	7.85	4	11.2	0.108	0.303	0.66	1.85	6.39	6.54
July	2	5.51	4.75	13.1	0.078	0.215	0.3	0.828	6.52	6.63
August	6.25	17.6	3.75	10.5	0.073	0.205	0.7	1.97	6.39	6.52
September	2	5.52	3	8.28	0.086	0.237	0.6	1.66	6.19	6.53
October	3.75	10.7	5	14.2	0.22	0.625	1.08	3.07	6.24	6.49
November	5.5	15.6	9	25.5	0.243	0.689	1.53	4.34	6.22	6.56
December	2.6	8.39	6.6	21.3	0.15	0.484	0.26	0.839	6.13	6.63
Max	6.25	14.3	21.25	55.6	0.243	0.689	10.8	20.4		
Average	3.67	10.2	6.35	17.4	0.133	0.37	2.35	6.12		
ECA Limit	25	112.5	25	112.5	1.0	4.5	10.0	45.0	6.0	9.5
ECA Objective	15	67.5	15	67.5	1.0	4.5	10.0	45.0	6.5	8.5

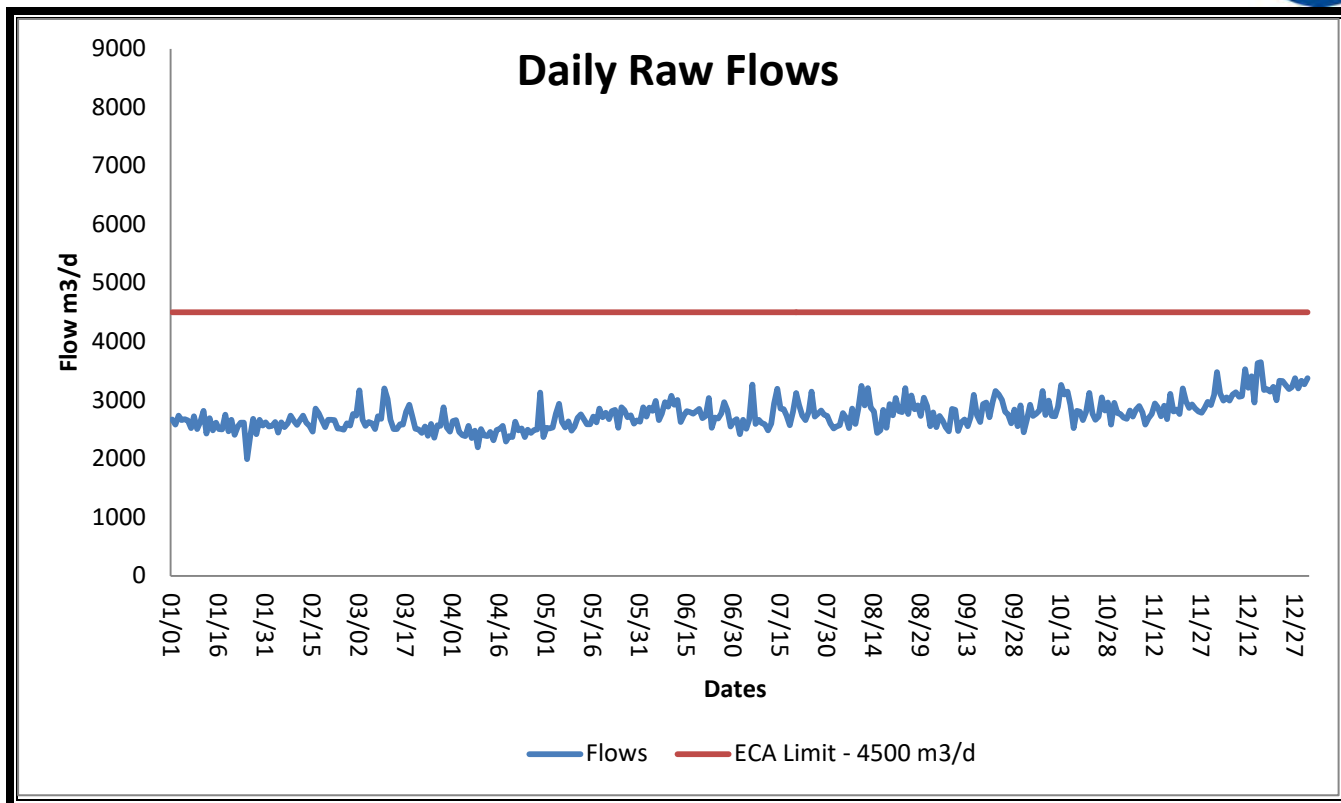


Additional Effluent Monitoring Samples										
Month	Nitrate		Alkalinity		*E.Coli		Temperature		TKN	
	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg
January	13.3	12.58	14	11.5	50	8.94	9	8.4		
February	13	11.8	21	14	288	88.9	7.2	7		
March	11.1	6.14	101	57.6	5200	226.1	7.9	7.8	1.8	1.8
April	5.84	4.21	96	81.75	142	39.8	9.5	7.5		
May	8.94	7.54	54	43.5	70	41.9	13.6	12.1		
June	12.2	10.79	25	19.4	14	3.39	15.9	15		
July	11.5	10.26	26	18.75	6	2.63	17	16.7	1.2	0.975
August	11.7	9.69	38	24.75	16	8.85	19.3	18.8	3.3	1.7
September	14.5	11.86	41	21.2	44	17.5	18.1	17.3	3	1.14
October	12	10.16	41	60.75	800	55.1	16.8	16.5	2.1	1.48
November	12.5	9.38	66	39.75	1020	108.4	13.6	12.9	15.5	4.58
December	12	10.86	15	12.2	116	51.1	10.7	6.8	1.4	0.78

* E.coli average is calculated as a geometric mean

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

Flow Volumes				
2Month	Total Volume (m ³)	Avg Daily Flow (m ³ /d)	Peak Daily Flow (m ³ /d)	Discharge Volumes (m ³)
January	79,881.7	2,576.83	2,819.66	79,881.7
February	73,288.8	2,617.46	2,857.54	73,288.8
March	82,192.2	2,651.36	3,200.87	82,192.2
April	74,301.9	2,476.73	3,128.89	74,301.9
May	83,060.3	2,679.37	2,938.73	83,060.3
June	84,153.3	2,805.11	3,078.17	84,153.3
July	85,512.8	2,758.48	3,265.27	85,512.8
August	87,123.3	2,810.43	3,245.98	87,123.3
September	82,806.2	2,760.21	3,159.4	82,806.2
October	88,106.6	2,842.15	3,264.73	88,106.6
November	85,124.9	2,837.49	3,201.8	85,124.9
December	100,105.5	3,229.2	3,649.5	100,105.5
Total	1,005,658			1,005,658
Average		2,755.2		
Maximum			3,649.5	



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 4,500 m ³ /d
2021	1,005,658	2,755.2	3,649.5	61%
2020	1,153,327	3,151.17	4,208.3	70%
2019	1,134,627	3,108.57	4,589	69%
2018	1,158,800	3,174.79	6,802	70.5%

The average flows measured into the sewage treatment plant did not exceed the specified average daily flow of 4500 m³/day in 2021.

The average daily flow for 2021 is 2,755.2/d which is approximately 61% of the rated capacity therefore, no assessment is required. The highest recorded peak flow occurred in December (3,649.5m³/d) and was approximately 81% of the average rated capacity, however the peak flow rate specified in the ECA is 12,300 m³/d. The highest recorded flow was 30% of the peak flow rating. The 2021 sewage flows are slightly lower than 2020 however, flows over the past four years are relatively stable with very little fluctuations for average and total flows. The maximum daily sewage flows are lower than previous years.



The total raw sewage flow into the Sewage Treatment Plant for the year was calculated to be 1,005,658m³.

The total effluent discharge from the Sewage Treatment Plant for the year was 1,005,658m³. Effluent flows are equal to the raw flows.

The average concentrations and loadings for most of the above parameters were well within the compliance limits specified in the facility ECA. The E.coli geometric mean concentration for the month of March was above the compliance limit with a result of 226.1cfu/100mL. The average TAN concentration for the month of April was above both the compliance and objective limits with a result of 10.8mg/L. The average TSS concentration for the month of February was above the objective with a result of 21.25mg/L. Objective limits specified in the ECA were met more than 50% of the time during the 2021 operating year. The operator did not observe a visible film, sheen, foam or discoloration on the receiving waters nor did he notice floating or settleable solids.

To ensure objective limits are met, in-house tests are conducted by licensed Operators using Standard Methods. The data generated from these tests are used to determine the treatment efficiency while maintaining process control. All in-house monitoring equipment is calibrated based on the manufactures recommendations.

SECTION 5: Facility Upsets & Non Compliances

During the 2021 year there were no spills, overflows, bypasses or non-compliances. Since there were no bypasses or overflows, no projects were undertaken in the sanitary sewer system. There were no process related callouts for the reporting period.

In March, the monthly geometric mean for E.coli was exceeded with a result of 226 GMD. It is believed the cause of the high E.coli results were due to frozen RAS tubes. This caused the sludge blanket to rise and become dense, going septic. The tubes were eventually cleared and the system was put back into normal operations in mid-March. A result of 5200 cfu/100ml was received for the sample taken on March 11 and a result of 1400 cfu/100 ml was received for the sample taken March 31.

In April, the monthly average concentration for TAN was exceeded with a result of 10.8mg/L. This exceedance was a result of the frozen RAS tubes in March.

Operational staff were not using the most up to date COC when completing their regulated sampling; as such, TKN was not sampled in the effluent for the months of January to August of 2021. One effluent TKN sample was taken on March 4, 2021. All old documents have been removed from the site and only up to date documents are to be used moving forward.

Copies of the incident reports are attached as [Appendix A](#).



SECTION 6: Maintenance

Plant maintenance is monitored using a Work Management System (WMS). Effluent monitoring equipment was calibrated as required in 2021. The flow meters were verified on September 27, 2021, all flow meters passed. Verification records are maintained on site and electronically on the OCWA Hub server. Maintenance and verification reports are attached as **Appendix B**. Major maintenance is listed in the table below.

Work Order	Completion Date	Comment
2173538 2222178	In progress	Installation of Geotube system for sludge thickening
2178108	11-Jun-21	Purchased lamps, sleeves and fittings for UV system
1874728	18-Oct-21	Clarifier weirs repairs

SECTION 7: Sludge

Volume of Sludge Hauled

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Total Volume (m ³)	291.3	439	640.1	647.4	216.9	551.5	585.6	512.2	484.9	463.7	441.9	542.4	5,816.9

Lab Results for Sludge Hauled

Parameter	2021 Average Concentration	2020 Average Concentration	2019 Average Concentration	2018 Average Concentration	2017 Average Concentration
BOD ₅	2,412.1	3,540.8	3,332.5	1,307.5	2,155.5
Total Solids	15,496.2	16,660.6	16,695.8	16,675	14,858.1
Total Phosphorus	352.3	371.17	504.17	435	475.7
TKN	982	1,033.5	1,130.75	1,031.5	2,007.6
Arsenic	<0.1	0.0985	0.1	0.1	0.085
Cadmium	<0.009	0.014	0.025	0.011	0.052
Cobalt	0.042	0.049	0.062	0.073	1.56
Chromium	0.315	0.352	0.358	0.333	0.255
Copper	6.63	7.17	9.896	9.8	16.2
Mercury	0.007	0.007	0.012	0.01	5.42
Potassium	94.33	82.63	95.17	94	74.7



Molybdenum	0.113	0.096	0.239	0.128	40.96
Nickel	0.488	0.529	0.551	0.628	0.629
Lead	0.300	0.312	0.509	0.325	0.32
Selenium	<0.1	0.098	0.1	0.1	0.1
Zinc	5.45	6.24	7.317	7	6.03
Silver	0.03	0.03	0.036	0.3	0.04
Aluminum	595.9	674.4	815	822.5	803.7
Antimony	<0.1	0.097	0.1	0.1	0.11
Bismuth	0.490	0.625	0.804	0.5	0.284
Boron	0.212	0.296	0.27	0.3	0.239
Manganese	4.85	5.84	24.15	60	50
Tin				0.9	0.32
Titanium	5.58	3.90	3.75	2.68	4.02
Vanadium	0.136	0.16	0.1805	0.218	0.22

A total volume of 2,967.26m³ was removed from the Espanola WPCP in 2021 and was disposed of at the Kelly Lake Biosolids Facility. It is expected that the volume of sludge generated over the next reporting period will be equivalent to the volume generated in 2022.

Sludge is hauled by William Day Construction under ECA #A8911 and is disposed of at the Kelly Lake Biosolids Facility.

SECTION 8: Complaints

There were no community complaints in the 2021 reporting year

SECTION 9: Additional Information

In Spring of 2021, the Geotube installation project began. Due to a number of delays, contractors are still working on completing this project. It is expected that the installation will be completed in 2022.



Appendix A

Incident Report

ECA Exceedance Form



Rev 0 29-May-14

Plant: Espanola STP DWS#: 110000212 ORG#: 5740

Employee Reporting Exceedance: Natalie Wagar

ECA exceedance	ECA # :	<u>1945-BJ6Q3M</u>
Parameter:	<u>TKN</u>	ECA limits: <u>Weekly sampling of effluent</u>
Sample date:	<u>January - August 2021</u>	Results: <u>No samples taken</u>
Date results received:	<u>None received</u>	

Comments
Operational staff were not using the most up to date COC when completing their regulated sampling; as such, TKN was not sampled in the effluent for the months of January to August of 2021. One effluent TKN sample was taken on March 4, 2021. All old documents have been removed from the site and only up to date documents are to be used moving forward.

Record of contacting MOE

Date: 12-Aug-21 Time: _____ Contact: Shelley Baggio & Marnie Managhan

Method of contact: Email

Record of contacting Client

Date: 12-Aug-21 Time: _____ Contact: Allan Hewitt

Contact: Dave Parker

Method of contact: Email

Ref#: _____

ECA Exceedance Form



Rev 0 29-May-14

Plant: Espanola STP DWS#: 110000212 ORG#: 5740

Employee Reporting Exceedance: Natalie Wagar performed calculation

ECA exceedance	ECA # :	<u>1945-BJ6Q3M</u>
Parameter:	<u>E.coli</u>	ECA limits: <u>Monthly limit 200 cfu/100ml</u>
Sample date:	<u>March</u>	Results: <u>226 cfu/100ml</u>
Date results received:	<u>04/13/2021 calculated</u>	

Comments
It is believed the cause of the high E.coli results were due to frozen RAS tubes. This caused the sludge blanket to rise and become dense, going septic. The tubes were eventually cleared and the system was put back into normal operations in mid March. A result of 5200 cfu/100ml was received for the sample taken on March 11 and a result of 1400 cfu/100 ml was received for the sample taken March 31. Currently, the system appears to be back to normal and additional samples have been taken. We are awaiting results of those samples.

Record of contacting MECP

Date: 16-Apr-21 Time: _____ Contact: Parie Drolet & Shelley Baggio

Method of contact: Email

Record of contacting Client

Date: 16-Apr-21 Time: _____ Contact: Dave Parker

Contact: _____

Method of contact: Email

Ref#: _____

ECA Exceedance Form



Rev 0 29-May-14

Plant: Espanola STP DWS#: 110000212 ORG#: 5740

Employee Reporting Exceedance: Natalie Wagar performed calculation

ECA exceedance	ECA # :	<u>1945-BJ6Q3M</u>
Parameter:	<u>TAN</u>	ECA limits: <u>Monthly limit 10.0mg/L</u>
Sample date:	<u>April</u>	Results: <u>10.8mg/L</u>
Date results received:	_____	

Comments

It is believed the cause of the high TAN results were due to frozen RAS tubes. This caused the sludge blanket to rise and become dense, going septic. The tubes were eventually cleared and the system was put back into normal operations.

Record of contacting MECP

Date: _____ Time: _____ Contact: _____

Method of contact: _____

Record of contacting Client

Date: _____ Time: _____ Contact: _____

Contact: _____

Method of contact: _____ Email _____

Ref#: _____



Appendix B

Plant Maintenance

Workorder Summary Report

 Report Start Date: Jan 1, 2021 12:00 AM
 Report End Date: Dec 31, 2021 11:59 PM
 Location: 5740*
 Work Order Type: CALL,CAP,CORR,EMER,OPER,PM
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2040774			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	1/1/21 12:00 AM	1/7/21 10:49 AM	1/7/21 10:49 AM	-All emergency lights good. Signage working. Shower deluge and eyewash clean and working. First aid kit stocked and on site.
2043302			5740, Espanola WWTP	OPER	Health and Safety	1	YEARS	WHMIS/MSDS/NSF Review And Update (1y) 5740	CLOSE	1/1/21 12:00 AM	2/2/21 12:05 PM	2/2/21 12:05 PM	
2544525			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	COMP	12/1/21 12:00 AM	12/9/21 06:41 PM	12/9/21 06:41 PM	-All signage in place and lighting working. First Aid kit on site and stocked. Shower deluge and eyewash station clean and working.,
2408633			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	9/1/21 12:00 AM	9/9/21 10:41 AM	9/9/21 10:41 AM	-All lighting working. Signage all in place, First aid kit stocked. Shower deluge and eyewash clean and working
2456055			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	10/1/21 12:00 AM	11/3/21 01:39 PM	11/3/21 01:39 PM	
2366195			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	8/1/21 12:00 AM	8/5/21 01:21 PM	8/5/21 01:21 PM	-Completed Aug 5,2021
2319338			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	7/1/21 12:00 AM	8/5/21 01:16 PM	8/5/21 01:16 PM	-All signage in place and lights working. First Aid kit stocked and on site. Shower deluge clean and working as well as the emergency eyewash.
2505021			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	11/1/21 12:00 AM	11/3/21 01:38 PM	11/3/21 01:38 PM	-All lights working and signage in place. First aid kit on site and stocked. Shower deluge and eyewash clean and working.

Workorder Summary Report

Report Start Date: Jan 1, 2021 12:00 AM
 Report End Date: Dec 31, 2021 11:59 PM
 Location: 5740*
 Work Order Type: CALL,CAP,CORR,EMER,OPER,PM
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2271720			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	6/1/21 12:00 AM	6/8/21 02:05 PM	6/8/21 02:05 PM	-Eyewash and shower deluge clean and working. All signs in place and working, emergency lights working, First aid kit on site. Merrit eye wash station -Emptied portable eye wash station at Merrit lift station, brought back to WTP for cleaning and then was brought back to lift station and was refilled with eye wash solution.
2226763			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	5/1/21 12:00 AM	6/24/21 10:40 AM	6/24/21 10:40 AM	-Inspected all signage and emergency lighting. No issues. Eyewash and shower deluge clean and working. First Aid kit on site and stocked.
2098642			5740, Espanola WWTP	PM	Health and Safety	1	YEARS	Fire Protection System Inspection (1y) 5740	CLOSE	2/1/21 12:00 AM	2/2/21 12:04 PM	2/2/21 12:04 PM	-SPI on site. Jan 18.
2178594			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	4/1/21 12:00 AM	4/15/21 09:54 AM	4/15/21 09:54 AM	-All signage in place and lights working. First aid kit on site. Eyewash station clean and working as well as shower deluge.
2134819			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	3/1/21 12:00 AM	3/10/21 02:25 PM	3/10/21 02:25 PM	-All signage in place. Lighting functional. First aid kit on site. Shower deluge and eyewash clean and working
2056682			5740, Espanola WWTP	OPER	Health and Safety	1	YEARS	Workplace Inspection (1y) 5740 - SEE ATTACHED DOC	CLOSE	1/1/21 12:00 AM	8/5/21 01:30 PM	8/5/21 01:30 PM	-Completed
2094952			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	2/1/21 12:00 AM	2/2/21 12:02 PM	2/2/21 12:02 PM	-All signs and lighting good, shower deluge and eyewash working and clean. First aid kit stocked
2069046			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	1/1/21 12:00 AM	2/1/21 08:31 AM	2/1/21 08:31 AM	-All data entered and verified upon review.

Workorder Summary Report

 Report Start Date: Jan 1, 2021 12:00 AM
 Report End Date: Dec 31, 2021 11:59 PM
 Location: 5740*
 Work Order Type: CALL,CAP,CORR,EMER,OPER,PM
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2201357			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	4/1/21 12:00 AM	5/3/21 01:49 PM	5/3/21 01:49 PM	-All data entered and reviewed
2114026			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	2/1/21 12:00 AM	3/8/21 02:19 PM	3/8/21 02:19 PM	-all data entered and reviewed
2247291			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	5/1/21 12:00 AM	6/8/21 01:59 PM	6/8/21 01:59 PM	-All data entered and reviewed.
2155925			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	3/1/21 12:00 AM	4/7/21 12:59 PM	4/7/21 12:59 PM	-All data reviewed and entered.
2275375			5740, Espanola WWTP	OPER	Compliance	2	YEARS	Operations Manual Review And Update (2y) 5740	COMP	6/1/21 12:00 AM	12/9/21 07:27 PM	12/9/21 07:27 PM	
2292923			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	6/1/21 12:00 AM	7/7/21 12:38 PM	7/7/21 12:38 PM	-All data entered and verified
2523179			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	COMP	11/1/21 12:00 AM	12/2/21 11:39 AM	12/2/21 11:39 AM	-All data entered and reviewed
2340708			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	7/1/21 12:00 AM	8/4/21 02:23 PM	8/4/21 02:23 PM	-All data entered and reviewed
2385217			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	8/1/21 12:00 AM	9/9/21 10:23 AM	9/9/21 10:23 AM	-All data entered and reviewed
2477359			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	10/1/21 12:00 AM	11/3/21 01:15 PM	11/3/21 01:15 PM	-All data entered and reviewed
2429633			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	9/1/21 12:00 AM	10/5/21 09:26 AM	10/5/21 09:26 AM	-completed
2563241			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	COMP	12/1/21 12:00 AM	1/5/22 10:30 AM	1/5/22 10:30 AM	-All data entered and reviewed
2042600			5740, Espanola WWTP	OPER	Compliance	1	YEARS	Non-Routine Sampling (1y) 5740	CLOSE	1/1/21 12:00 AM	9/9/21 10:38 AM	9/9/21 10:38 AM	-DO tests completed weekly as well as in house lab testing etc.
2544521			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	COMP	12/1/21 12:00 AM	12/9/21 06:37 PM	12/9/21 06:37 PM	-Alarms for power outage verified Dec 8, 2021.
2041655			5740, Espanola WWTP	OPER	Inspection	1	YEARS	Daily O&M Activities (1y) 5740	COMP	1/1/21 12:00 AM	8/1/21 02:00 PM	11/13/21 03:15 PM	

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 Report Start Date: Jan 1, 2021 12:00 AM
 Report End Date: Dec 31, 2021 11:59 PM
 Location: 5740*
 Work Order Type: CALL,CAP,CORR,EMER,OPER,PM
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2040730			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	1/1/21 12:00 AM	1/5/21 02:37 PM	1/5/21 02:37 PM	-Cleaned and freed up supernatant valves at digesters. Greased and oiled etc.
2040770			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	1/1/21 12:00 AM	2/2/21 12:06 PM	2/2/21 12:06 PM	
2481727			5740, Espanola WWTP	PM	Inspection	6	MONTHS	Chemical Review/Expiry Verification (6m) 5740	CLOSE	10/1/21 12:00 AM	11/3/21 01:15 PM	11/3/21 01:15 PM	
2504980			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	COMP	11/1/21 12:00 AM	12/2/21 11:40 AM	12/2/21 11:40 AM	-Check and fill Clarifier gearboxes with lubricant etc
2505017			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	11/1/21 12:00 AM	11/3/21 01:33 PM	11/3/21 01:33 PM	-Tested RAS pump 3 fault. Confirmed.
2456011			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	COMP	10/1/21 12:00 AM	12/2/21 11:41 AM	12/2/21 11:41 AM	-Lube supernatant valves
2456051			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	10/1/21 12:00 AM	11/3/21 01:39 PM	11/3/21 01:39 PM	
2366154			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	8/1/21 12:00 AM	8/5/21 01:12 PM	8/5/21 01:12 PM	-Checked lubricant in both clarifier drives and gearboxes. Added if necessary.
2366191			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	8/1/21 12:00 AM	8/5/21 01:23 PM	8/5/21 01:23 PM	-Tested RAS pump #3 fault alarm. Was confirmed
2408592			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	9/1/21 12:00 AM	9/9/21 10:35 AM	9/9/21 10:35 AM	-Inspected and topped lubricant in clarifier drives as needed
2408629			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	9/1/21 12:00 AM	9/29/21 01:58 PM	9/29/21 01:58 PM	-Tested RAS pump #2 fault. Received call
2296657			5740, Espanola WWTP	PM	Inspection	1	YEARS	Lifting Equipment Inspection (1y) 5740	COMP	6/1/21 12:00 AM	12/9/21 07:28 PM	12/9/21 07:28 PM	-Inspections completed by HYTE
2319294			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	7/1/21 12:00 AM	8/5/21 01:10 PM	8/5/21 01:10 PM	-Inspected and cleaned out grit conveyor.

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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
2319334			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	7/1/21 12:00 AM	8/5/21 01:33 PM	8/5/21 01:33 PM	
2343377	0000294009	5740 Espanola Confined Space Trailer	5740, Espanola WWTP	OPER	Inspection	3	MONTHS	5740 Espanola Confined Space Trailer Inspection (3m)	COMP	7/1/21 12:00 AM	12/16/21 12:41 PM	12/16/21 12:41 PM	-Complete
2271679			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	6/1/21 12:00 AM	6/11/21 01:13 PM	6/11/21 01:13 PM	-Inspected Clarifier gearboxes and topped with lubricant.
2271716			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	6/1/21 12:00 AM	6/24/21 10:59 AM	6/24/21 10:59 AM	-Manually faulted the bar screen. Received a call for alarm.
2544484			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	COMP	12/1/21 12:00 AM	12/2/21 11:46 AM	12/2/21 11:46 AM	-Bar screen and inlet channel clean out.
2273062			5740, Espanola WWTP	PM	Inspection	1	YEARS	Lifting Equipment Inspection (1y) 5740	COMP	6/1/21 12:00 AM	12/9/21 06:34 PM	12/9/21 06:34 PM	-Inspections completed on site by HYTE
2205526			5740, Espanola WWTP	PM	Inspection	6	MONTHS	Chemical Review/Expiry Verification (6m) 5740	CLOSE	4/1/21 12:00 AM	4/20/21 10:07 AM	4/20/21 10:07 AM	
2223171			5740, Espanola WWTP	PM	Inspection	1	YEARS	Facility Asset Review - 5740	COMP	4/12/21 12:00 AM	12/16/21 12:52 PM	12/16/21 12:52 PM	-To be completed in 2022.
2226722			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	5/1/21 12:00 AM	6/11/21 01:11 PM	6/11/21 01:11 PM	-Bled all water out off aeration system airlines.
2226759			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	5/1/21 12:00 AM	6/24/21 10:35 AM	6/24/21 10:35 AM	-Tested RAS pump #2 fault. Call was received.
2178550			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	4/1/21 12:00 AM	6/11/21 01:08 PM	6/11/21 01:08 PM	
2178590			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	4/1/21 12:00 AM	6/24/21 10:27 AM	6/24/21 10:27 AM	-Tested fault manually on RAS pump #1. Alarm call was sent.
2134778			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	3/1/21 12:00 AM	3/13/21 12:15 PM	3/13/21 12:15 PM	-Thawed and unfroze digester supernatant valves. Lubricated and cleaned.

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 Location: 5740*
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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
2134815			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	3/1/21 12:00 AM	3/10/21 02:27 PM	3/10/21 02:27 PM	-Tested RAS pump fault alarm. On call operator receiver a call.
2204461	0000294009	5740 Espanola Confined Space Trailer	5740, Espanola WWTP	OPER	Inspection	3	MONTHS	5740 Espanola Confined Space Trailer Inspection (3m)	CLOSE	4/1/21 12:00 AM	6/24/21 10:31 AM	6/24/21 10:31 AM	-Confined Space Trailer has been located at the WTP for sometime. Has been used of late by Maintenance Lead and electrician. Operator of WTP has verified all is accounted for and up to date.
2138618			5740, Espanola WWTP	PM	Inspection	1	YEARS	Electrical Equipment Inspection/ Service (1y) 5740 Espanola WW	CLOSE	3/1/21 12:00 AM	7/2/21 03:50 PM	7/2/21 03:50 PM	
2071537	0000294009	5740 Espanola Confined Space Trailer	5740, Espanola WWTP	OPER	Inspection	3	MONTHS	5740 Espanola Confined Space Trailer Inspection (3m)	CLOSE	1/1/21 12:00 AM	3/12/21 12:01 PM	3/12/21 12:01 PM	
2094911			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	2/1/21 12:00 AM	2/9/21 02:14 PM	2/9/21 02:14 PM	-Cleaned and greased Sludge unloading pipe and lubricated supernatant valves.
2094948			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	2/1/21 12:00 AM	3/10/21 02:28 PM	3/10/21 02:28 PM	
2042075	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	1/1/21 12:00 AM	1/5/21 02:35 PM	1/5/21 02:35 PM	-Cleaned all parts. All lights working. UV sensor good. wipers operational. Cleaned channels and weirs.
2095814	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	2/1/21 12:00 AM	2/9/21 02:10 PM	2/9/21 02:10 PM	-Work order performed during Annual Inspection.
2135676	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	3/1/21 12:00 AM	3/10/21 02:22 PM	3/10/21 02:22 PM	-Cleaned and inspected all parts. Changed 2 UV bulbs, cleaned channels and weirs. UV sensor good. Wipers good.
2179588	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	4/1/21 12:00 AM	4/15/21 10:00 AM	4/15/21 10:00 AM	-Cleaned and inspected all parts. Filled wiper lube. UV Sensor working well. All UV lights good. Cleaned channels and weirs.

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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
2227670	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	5/1/21 12:00 AM	5/4/21 01:14 PM	5/4/21 01:14 PM	-Cleaned and inspected all parts. Filled wiper lubricant, UV sensor working well. Cleaned weirs and channel. All bulbs working.
2545429	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	12/1/21 12:00 AM	12/1/21 02:35 PM	12/1/21 02:35 PM	-Inspected and cleaned all parts. Cleaned channels and weirs. All bulbs working well. UV sensor good.
2272816	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	6/1/21 12:00 AM	6/4/21 01:45 PM	6/4/21 01:45 PM	
2320510	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	7/1/21 12:00 AM	7/16/21 01:00 PM	7/16/21 01:00 PM	-Cleaned all parts ,checked wipers and lube, UV sensor good , cleaned channels and weirs, all UV lights working
2367074	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	8/1/21 12:00 AM	8/5/21 01:19 PM	8/5/21 01:19 PM	-Cleaned channels and weirs, inspected wipers and topped lube, all lights working well, UV sensor good
2409441	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	9/1/21 12:00 AM	9/9/21 10:55 AM	9/9/21 10:55 AM	-Inspected all parts of system, Filled wiper lube, cleaned channels and weirs.
2457014	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	10/1/21 12:00 AM	11/3/21 01:39 PM	11/3/21 01:39 PM	-completed weekly
2505883	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	11/1/21 12:00 AM	11/3/21 01:31 PM	11/3/21 01:31 PM	-Inspected all parts of UV system. Sensor good. Wipers good. All bulbs working. Cleaned banks and weirs and channels.
2073943	0000259049	VEHICLE CHEV SILVER AJ81033 #215022 CHRIS MASSICOTTE	5740, Espanola WWTP, Facilities, Vehicles, Cranes, Hoists, Elevators, Fork Lifts, Tow Motors	PM	Inspection	1	MONTHS	Vehicle Chev Silver AJ81033 Inspect (1m)	CLOSE	1/1/21 12:00 AM	2/2/21 12:00 PM	2/2/21 12:00 PM	-Weekly checks, kilometers and receipts submitted

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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
2117625	0000259049	VEHICLE CHEV SILVER AJ81033 #215022 CHRIS MASSICOTTE	5740, Espanola WWTP, Facilities, Vehicles, Cranes, Hoists, Elevators, Fork Lifts, Tow Motors	PM	Inspection	1	MONTHS	Vehicle Chev Silver AJ81033 Inspect (1m)	CLOSE	2/1/21 12:00 AM	3/8/21 02:18 PM	3/8/21 02:18 PM	-all checks and receipts submitted
2159773	0000259049	VEHICLE CHEV SILVER AJ81033 #215022 CHRIS MASSICOTTE	5740, Espanola WWTP, Facilities, Vehicles, Cranes, Hoists, Elevators, Fork Lifts, Tow Motors	PM	Inspection	1	MONTHS	Vehicle Chev Silver AJ81033 Inspect (1m)	CLOSE	3/1/21 12:00 AM	4/7/21 01:01 PM	4/7/21 01:01 PM	-All weekly checks, kilometers and receipts submitted.
2206286	0000259049	VEHICLE CHEV SILVER AJ81033 #215022 CHRIS MASSICOTTE	5740, Espanola WWTP, Facilities, Vehicles, Cranes, Hoists, Elevators, Fork Lifts, Tow Motors	PM	Inspection	1	MONTHS	Vehicle Chev Silver AJ81033 Inspect (1m)	CLOSE	4/1/21 12:00 AM	5/3/21 01:55 PM	5/3/21 01:55 PM	-All weekly checks and kilometers submitted with gas receipts.
2251428	0000259049	VEHICLE CHEV SILVER AJ81033 #215022 CHRIS MASSICOTTE	5740, Espanola WWTP, Facilities, Vehicles, Cranes, Hoists, Elevators, Fork Lifts, Tow Motors	PM	Inspection	1	MONTHS	Vehicle Chev Silver AJ81033 Inspect (1m)	CLOSE	5/1/21 12:00 AM	6/4/21 01:43 PM	6/4/21 01:43 PM	-All checks and kms with gas receipts submitted.
2298501	0000259049	VEHICLE CHEV SILVER AJ81033 #215022 CHRIS MASSICOTTE	5740, Espanola WWTP, Facilities, Vehicles, Cranes, Hoists, Elevators, Fork Lifts, Tow Motors	PM	Inspection	1	MONTHS	Vehicle Chev Silver AJ81033 Inspect (1m)	CLOSE	6/1/21 12:00 AM	7/7/21 12:40 PM	7/7/21 12:40 PM	-All mileage and weekly checks and gas receipts submitted
2344906	0000259049	VEHICLE CHEV SILVER AJ81033 #215022 CHRIS MASSICOTTE	5740, Espanola WWTP, Facilities, Vehicles, Cranes, Hoists, Elevators, Fork Lifts, Tow Motors	PM	Inspection	1	MONTHS	Vehicle Chev Silver AJ81033 Inspect (1m)	CLOSE	7/1/21 12:00 AM	8/4/21 02:26 PM	8/4/21 02:26 PM	-kilometers, checks and receipts submitted
2389405	0000259049	VEHICLE CHEV SILVER AJ81033 #215022 CHRIS MASSICOTTE	5740, Espanola WWTP, Facilities, Vehicles, Cranes, Hoists, Elevators, Fork Lifts, Tow Motors	PM	Inspection	1	MONTHS	Vehicle Chev Silver AJ81033 Inspect (1m)	CLOSE	8/1/21 12:00 AM	9/9/21 10:20 AM	9/9/21 10:20 AM	-Weekly checks and kilometers and gas receipts submitted
2434944	0000259049	VEHICLE CHEV SILVER AJ81033 #215022 CHRIS MASSICOTTE	5740, Espanola WWTP, Facilities, Vehicles, Cranes, Hoists, Elevators, Fork Lifts, Tow Motors	PM	Inspection	1	MONTHS	Vehicle Chev Silver AJ81033 Inspect (1m)	CLOSE	9/1/21 12:00 AM	10/5/21 09:28 AM	10/5/21 09:28 AM	-all checks and kilometers and receipts submitted

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2482744	0000259049	VEHICLE CHEV SILVER AJ81033 #215022 CHRIS MASSICOTTE	5740, Espanola WWTP, Facilities, Vehicles, Cranes, Hoists, Elevators, Fork Lifts, Tow Motors	PM	Inspection	1	MONTHS	Vehicle Chev Silver AJ81033 Inspect (1m)	CLOSE	10/1/21 12:00 AM	11/3/21 01:17 PM	11/3/21 01:17 PM	-kilometers and weekly checks with gas receipts submitted.
2527037	0000259049	VEHICLE CHEV SILVER AJ81033 #215022 CHRIS MASSICOTTE	5740, Espanola WWTP, Facilities, Vehicles, Cranes, Hoists, Elevators, Fork Lifts, Tow Motors	PM	Inspection	1	MONTHS	Vehicle Chev Silver AJ81033 Inspect (1m)	COMP	11/1/21 12:00 AM	12/2/21 11:37 AM	12/2/21 11:37 AM	-All gas receipts ,weekly checks and kilometers submitted
2566751	0000259049	VEHICLE CHEV SILVER AJ81033 #215022 CHRIS MASSICOTTE	5740, Espanola WWTP, Facilities, Vehicles, Cranes, Hoists, Elevators, Fork Lifts, Tow Motors	PM	Inspection	1	MONTHS	Vehicle Chev Silver AJ81033 Inspect (1m)	COMP	12/1/21 12:00 AM	1/5/22 10:22 AM	1/5/22 10:22 AM	-All kilometers and checks submitted with fuel receipts.
2178108			5740, Espanola WWTP, Facilities	OPER	Predictive Maintenance	0		UV system replacement parts	CLOSE		4/15/21 09:47 AM	4/15/21 09:47 AM	- Order from Trojan UV for UV bulbs, Quartz sleeves and sleeve cup nuts. Ordered March 30 2021. -Parts received April 13 2021.
2540074			5740, Espanola WWTP, Facilities	CAP	Refurbish/ Replace/Repair	0		5740 Espanola STP, Inlet Room Lighting Replacement (Sodium to LED)	COMP		2/9/22 07:32 PM	2/9/22 07:32 PM	5740 Espanola STP, Inlet Room Lighting Replacement (Sodium to LED) - ESA Permit -Supply & install 9 Explosion Proof LED fixtures (explosion proof) -Lift/scaffold/ladders as required

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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
2095869	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Refurbish/ Replace/Repair	1	YEARS	UV Reactor Inspection (1y) 5740	CLOSE	2/1/21 12:00 AM	2/9/21 02:09 PM	2/9/21 02:09 PM	-Inspected all parts of Sleeves, lights, UV sensor and wipers. No issues detected. Filled wipers with lubricant. Cleaned channels and weirs.
2180178	0000143057	AHU BLOWER ROOM	5740, Espanola WWTP, Facilities, HVAC, Air Handling Units and Dehumidifiers	PM	Refurbish/ Replace/Repair	6	MONTHS	Air Handling Inspection (6m) 5740	COMP	4/1/21 12:00 AM	12/16/21 09:37 AM	12/16/21 09:37 AM	-Completed
2180189	0000143071	AHU FERRIC PUMPS	5740, Espanola WWTP, Facilities, HVAC, Air Handling Units and Dehumidifiers	PM	Refurbish/ Replace/Repair	1	YEARS	Air Handling Inspection (1y) 5740	COMP	4/1/21 12:00 AM	12/16/21 09:38 AM	12/16/21 09:38 AM	-Was previously performed with no issues.
2457649	0000143057	AHU BLOWER ROOM	5740, Espanola WWTP, Facilities, HVAC, Air Handling Units and Dehumidifiers	PM	Refurbish/ Replace/Repair	6	MONTHS	Air Handling Inspection (6m) 5740	COMP	10/1/21 12:00 AM	12/16/21 09:36 AM	12/16/21 09:36 AM	-Changed all filters. Belts all good. Louvers all clean and working. Blew out coils and duct working. Greased all bearings.
2180226	0000227608	DEHUMIDIFIER RAS PUMP ROOM	5740, Espanola WWTP, Facilities, HVAC, Air Handling Units and Dehumidifiers	PM	Refurbish/ Replace/Repair	1	YEARS	Dehumidifier Inspection (1y) 5740	CLOSE	4/1/21 12:00 AM	8/5/21 01:02 PM	8/5/21 01:02 PM	-Not on site.
2180210	0000227607	DEHUMIDIFIER TUNNEL	5740, Espanola WWTP, Facilities, HVAC, Air Handling Units and Dehumidifiers	PM	Refurbish/ Replace/Repair	1	YEARS	Dehumidifier Inspection (1y) 5740	CLOSE	4/1/21 12:00 AM	8/5/21 01:04 PM	8/5/21 01:04 PM	-Inspected dehumidifier. Cleaned debris etc from screens and outlet line. Working well.

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2452783	0000143068	HEATER NATURAL GAS NEXT TO FERRIC TANK IN CHEM. BLDG	5740, Espanola WWTP, Facilities, HVAC, Heaters	CORR	Refurbish/ Replace/Repair	0		5740 Espanola STP, Gas Heater Replacement - Ferric Room	CLOSE		11/3/21 01:12 PM	11/3/21 01:12 PM	5740 Espanola STP, Gas Heater Replacement - Ferric Room - Inspected it and found that the gas valve is burnt out. Also spotted burn marks on control board and is very rusty on any non stainless steel surface. Recommend change out unit for new. To repair would need gas valve, control board, new sparker assy, new flame sensor, new pressure switch. -New heater installed in October
2129951	0000143101	PANEL CONTROL PLC MCC ROOM NEXT TO BLOWERS	5740, Espanola WWTP, Facilities, Power Distribution, Plant Systems	CORR	Refurbish/ Replace/Repair	0		5740 ESP WWTP UPS replacement	CLOSE		3/2/21 02:23 PM	3/2/21 02:23 PM	Dixon -UPS received from Dixon
2042024	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP, Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	1/1/21 12:00 AM	1/4/21 02:18 PM	1/4/21 02:18 PM	-Ran for an hour. Fuel tanks at 5/8 and 3/4. Fluids all at good levels, coolant heater and charger working, all shrouds good
2095770	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP, Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	2/1/21 12:00 AM	3/10/21 02:30 PM	3/10/21 02:30 PM	-done
2135621	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP, Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	3/1/21 12:00 AM	3/10/21 02:18 PM	3/10/21 02:18 PM	-All fluids good, charger and coolant heater good, fuel tank at 3/4. Ran for an hour, no leaks, operating temps and pressures good.

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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
2179539	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	4/1/21 12:00 AM	4/15/21 09:57 AM	4/15/21 09:57 AM	-All fluids good. Charger and coolant heater good. Shrouds clear and clean. No leaks. Pressures and temps good. Fuel tanks at 3/5 and 1/2. Scheduled for fill up
2227627	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	5/1/21 12:00 AM	5/4/21 01:11 PM	5/4/21 01:11 PM	-Ran for 1 1/2 hours, fluids all good, no leaks, operating temps and pressures good, coolant heater and charger working, fuel tanks full.
2272773	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	6/1/21 12:00 AM	6/4/21 01:41 PM	6/4/21 01:41 PM	-Tanks at full and 3/4. Charger and coolant heater working. Fluids good. Operating temps and pressures good.
2545386	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	12/1/21 12:00 AM	12/1/21 02:39 PM	12/1/21 02:39 PM	-Ran for an hour, fuel tanks at 7/8 and 3/4. No leaks, charger and coolant heater good. Pressures and temps good.
2297018	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	YEARS	Diesel Generator Inspection/ Functional Test (1y) 5740	CLOSE	6/1/21 12:00 AM	11/3/21 01:10 PM	11/3/21 01:10 PM	-Completed by Total Power in October 2021
2320463	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	7/1/21 12:00 AM	7/7/21 12:46 PM	7/7/21 12:46 PM	-Ran for 1/2hour.no leaks detected. Coolant heater and charger good. All fluids good, Fuel tanks at full and 7/8.
2367031	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	8/1/21 12:00 AM	8/4/21 02:19 PM	8/4/21 02:19 PM	-Ran for hour, all fluids good, all operating pressure and temps good, no leaks, coolant heater and charger working. Fuel tanks at full and 7/8.
2409398	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	9/1/21 12:00 AM	9/9/21 10:26 AM	9/9/21 10:26 AM	-Ran for an hour. Fuel tanks at full and 7/8.All shrouding clear. All fluids at good levels. Operating temperatures and pressures good. Coolant heater and charger functional.

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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
2456967	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP, Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	10/1/21 12:00 AM	10/5/21 09:22 AM	10/5/21 09:22 AM	-Ran for an hour. No issues. Charger and coolant heater good. Fuel tank full. All fluids good.
2505838	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP, Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	11/1/21 12:00 AM	11/3/21 01:26 PM	11/3/21 01:26 PM	-Fluids good, coolant heater and charger good, fuel tanks at full and 3/4, no leaks
2180200	0000143081	CONVEYOR SCREW GRIT	5740, Espanola WWTP, Process, Headworks	PM	Refurbish/ Replace/Repair	1	YEARS	Conveyor Inspection (1y) 5740	CLOSE	4/1/21 12:00 AM	8/5/21 01:32 PM	8/5/21 01:32 PM	-Completed as August TPM. ALL bearings greased. Screw cleaned out and observed for any defects. All good
2177352	0000259360	ANALYZER pH	5740, Espanola WWTP, Process, Process Control and Monitoring	CORR	Refurbish/ Replace/Repair	0		5740 espanola WWTP effluent PH probe	CLOSE		4/16/21 11:25 AM	4/16/21 11:25 AM	Synergy - Ph probe has failed. ordered replacement from synergy controls, will have to pick up to ensure probe does not freeze
2273392	0000143110	TANK PROCESS DIGESTER AEROBIC NORTH	5740, Espanola WWTP, Process, Solids Handling	PM	Refurbish/ Replace/Repair	3	YEARS	Digester Inspection (3y) 5740	COMP	6/1/21 12:00 AM	12/9/21 07:24 PM	12/9/21 07:24 PM	-North and South digesters were entirely cleaned out by Bill Hansson and Kevin Cooper. All piping and aeration caps were cleaned out, inspected or repaired. All concrete seems to be in good shape except around safety railing supports. Ladders SHOULD be installed for any emergency exit required!
2273434	0000143111	TANK PROCESS DIGESTER AEROBIC SOUTH	5740, Espanola WWTP, Process, Solids Handling	PM	Refurbish/ Replace/Repair	3	YEARS	Digester Inspection (3y) 5740	COMP	6/1/21 12:00 AM	12/9/21 07:25 PM	12/9/21 07:25 PM	-See log for other digester
2273337	0000143094	TANK PROCESS 01 CLARIFIER	5740, Espanola WWTP, Process, Secondary Treatment, Clarifier 1	PM	Refurbish/ Replace/Repair	1	YEARS	Clarifier #1 Inspection (1y) 5740	COMP	6/1/21 12:00 AM	12/9/21 07:07 PM	12/9/21 07:07 PM	-lower and upper gearboxes leak. Bearings have no significant play. Lubricant was drained and replaced.
2273323	0000143091	TANK PROCESS 02 CLARIFIER	5740, Espanola WWTP, Process, Secondary Treatment, Clarifier 2	PM	Refurbish/ Replace/Repair	1	YEARS	Clarifier #2 Inspection (1y) 5740	COMP	6/1/21 12:00 AM	12/9/21 07:09 PM	12/9/21 07:09 PM	-All lubricant at good levels and clean. No wear noticed anywhere.

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2581060	0000258519	VALVE BACKFLOW TUNNEL UNDER AERATION TANKS NON POTABLE ESP WWTP	5740, Espanola WWTP	PM	Refurbish/ Replace/Repair	1	YEARS	Backflow Preventer Tunnel Inspection (1y) 5740	COMP	1/10/22 12:00 AM	1/11/22 01:23 PM	1/11/22 01:23 PM	
2581050	0000258522	VALVE BACKFLOW DIGESTER ROOM ESPANOLA WWTP	5740, Espanola WWTP	PM	Refurbish/ Replace/Repair	1	YEARS	Backflow Preventer Digester Inspection (1y) 5740	COMP	1/10/22 12:00 AM	1/20/22 11:00 AM	1/20/22 04:00 PM	
2543582			Espanola Wastewater Treatment Plant	CAP	Refurbish/ Replace/Repair	0		5740 espanola WWTP tanners SLS electrical repair	COMP		12/14/21 12:11 PM	12/14/21 12:11 PM	nedco -ordered contactor from Nedco repair - replaced contactor. when previous contactor failed it damaged a contact on the level indicating transmitter(LIT) so I made wiring changes and LIT programming changes to get system back functioning properly. work complete
2130956			Espanola Wastewater Treatment Plant	CORR	Refurbish/ Replace/Repair	0		5740 Espanola STP Sludge Loading Line Bypass Valve replacement	CLOSE		3/16/21 06:14 PM	3/16/21 06:14 PM	-Replaced valve, loosened and realigned sludge stand pipe and replaced mounting brackets
2579392			Espanola Wastewater Treatment Plant	PM	Refurbish/ Replace/Repair	0		Gear box repair	CLOSE		11/22/21 09:30 AM	11/22/21 11:30 AM	

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2541305			Espanola Wastewater Treatment Plant	CAP	Refurbish/ Replace/Repair	0		5740 Espanola WWTP Supernatant pump control	COMP		12/9/21 12:20 PM	12/9/21 12:20 PM	new install - 2 managers, 1 distribution employee and 1 plumber attempted to repair the automatic control of the supernatant pump but did not succeed then called electrician/ instrument tech to repair. I tested 2 floats by cutting and testing connections then splicing and shrink tubing back together, the third was defective so I spliced in a new float but system still didn't work. plan is to install an LIT in the sludge pump control room and bore a hole into the tank ceiling and install a sensor head. some conduit and mechanical protection will have to be installed. price includes the troubleshooting/ attempted repairs. united rentals - rented core drill for 1 day purchased core saw

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													work - Day 1 looked up drawings for conduit runs to ensure I wouldn't drill into them measured out best sensor location and prepped drill (ran water and power). drilled hole and installed sensor and junction box. cleaned up drill and returned to rental place. Day 2 ran conduit from sensor junction box to existing junction box for tank float switches and attempted to use conduit to run sensor cable through, found extensive damage and improper repair done to conduit. (was silicone and then wrapped in splicing tape). had to remove the patched conduit and silicone to free up wires, then found other end was also glued... took a lot of time to free up the conduit. once we got the wires free and removed we ran the signal cable and new wires for disconnect safety switch and future high level float (previously not functioning). Day 3 installed LIT on wall inside near MCC, ran conduit from LIT to pump starter and PLC, programmed LIT and set level control. clean up/commissioning tested and functioning properly. dixon - junction box nut driver (broke mine while on this job)

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													nedco -wiring/conduit materials
2296757	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	YEARS	Diesel Generator 2006 Portable Inspection/Functional Test (1y) 5740	CLOSE	6/1/21 12:00 AM	8/5/21 01:08 PM	8/5/21 01:08 PM	-Was informed by K Spec that Total Power performed the annual inspection while offsite
2297581	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	YEARS	Diesel Generator OERT Inspection/ Functional Test (1y) 5740	CLOSE	6/1/21 12:00 AM	8/5/21 01:07 PM	8/5/21 01:07 PM	-Was informed annual inspection and service was done by Total Power while off site.
2320419	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	7/1/21 12:00 AM	7/7/21 12:42 PM	7/7/21 12:42 PM	-Ran for 1/2 hour. All fluids good. no leaks, coolant heater and charger working, fuel tank full. no issues
2320441	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	7/1/21 12:00 AM	7/7/21 12:43 PM	7/7/21 12:43 PM	-not on site.
2366987	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	8/1/21 12:00 AM	8/4/21 02:16 PM	8/4/21 02:16 PM	-off site
2367009	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	8/1/21 12:00 AM	8/4/21 02:16 PM	8/4/21 02:16 PM	-off site
2041996	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	1/1/21 12:00 AM	1/5/21 02:32 PM	1/5/21 02:32 PM	-Not on site
2041974	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	1/1/21 12:00 AM	1/4/21 02:15 PM	1/4/21 02:15 PM	
2179517	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	4/1/21 12:00 AM	4/15/21 09:51 AM	4/15/21 09:51 AM	-Not on site.
2179493	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	4/1/21 12:00 AM	4/15/21 09:50 AM	4/15/21 09:50 AM	-Ran for an hour. Charger and coolant heater good. Pressures and temps good. All fluids at good levels. Fuel tank at 1/4. Scheduled for fill up.

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2135594	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	3/1/21 12:00 AM	3/10/21 02:19 PM	3/10/21 02:19 PM	-Not on site
2135572	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	3/1/21 12:00 AM	3/10/21 02:15 PM	3/10/21 02:15 PM	
2095748	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	2/1/21 12:00 AM	2/9/21 02:11 PM	2/9/21 02:11 PM	-not on site
2095720	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	2/1/21 12:00 AM	3/10/21 02:29 PM	3/10/21 02:29 PM	-done
2545342	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	12/1/21 12:00 AM	12/1/21 02:41 PM	12/1/21 02:41 PM	-Ran an hour, no leaks, operating temps and pressures good, fuel tank at 7/8. coolant heater and charger working,
2545364	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	12/1/21 12:00 AM	12/1/21 02:32 PM	12/1/21 02:32 PM	-offsite
2272744	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	6/1/21 12:00 AM	6/4/21 01:38 PM	6/4/21 01:38 PM	-not on site.
2272722	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	6/1/21 12:00 AM	6/4/21 01:37 PM	6/4/21 01:37 PM	-Ran for hour. Fluids and temps and pressures good, coolant heater and charger working. Fuel tank at full.
2227605	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	5/1/21 12:00 AM	5/4/21 01:09 PM	5/4/21 01:09 PM	-NOT ON SITE
2227577	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	5/1/21 12:00 AM	5/4/21 01:08 PM	5/4/21 01:08 PM	-Ran for 1 1/2hours, no leaks, operating pressures and temps good, coolant heater and charger working, Full fuel tank. All fluids at good levels.

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2409354	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	9/1/21 12:00 AM	9/9/21 10:31 AM	9/9/21 10:31 AM	-Ran for an hour. Fuel tank full. Coolant heater and charger working. All fluids good. Operating temps and pressures good.
2409376	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	9/1/21 12:00 AM	9/9/21 10:27 AM	9/9/21 10:27 AM	-Not on site
2456923	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	10/1/21 12:00 AM	10/5/21 09:25 AM	10/5/21 09:25 AM	-Ran for an hour. No leaks detected, Fluids good, Coolant heater and charger working. Fuel tank at full.
2456945	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	10/1/21 12:00 AM	11/3/21 01:13 PM	11/3/21 01:13 PM	-not on site
2505794	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	11/1/21 12:00 AM	11/3/21 01:22 PM	11/3/21 01:22 PM	-Ran for an hour. All fluids good. Fuel tank full. Coolant heater and charger working.
2505816	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	11/1/21 12:00 AM	11/3/21 01:23 PM	11/3/21 01:23 PM	-not on site
2224174	0000143142	PANEL CONTROL BOIS PS	5740, Bois St. Sewage Pumping Station, Facility	CORR	Refurbish/ Replace/Repair	0		5740 Espanola WWTP Bois st level sensor failure	CLOSE		4/16/21 11:32 AM	4/16/21 11:32 AM	troubleshooting - found level sensor broken from mount and hanging on side wall of wet well causing the level to be much lower. low level float prevented pumps from air locking but pumps cycled on/off constantly. original location of level sensor is not accessible so I mounted it at the man hole and made it easily removable for wet well cleaning/ service. tested ok, work complete.

Workorder Summary Report

Report Start Date: Jan 1, 2021 12:00 AM
 Report End Date: Dec 31, 2021 11:59 PM
 Location: 5740*
 Work Order Type: CALL,CAP,CORR,EMER,OPER,PM
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2502401	0000143142	PANEL CONTROL BOIS PS	5740, Bois St. Sewage Pumping Station, Facility	CORR	Refurbish/ Replace/Repair	0		5740 Espanola Bois Street SPS, Alarm System Repairs	CLOSE		11/3/21 01:19 PM	11/3/21 01:19 PM	5740 Espanola Bois Street SPS, Alarm System Repairs - Panel is sending in a AC fail, low panel battery and a radio not respond. Client reported that there is no lights on the keypad even though the panel is plugged into power. Tech to check and repair -All parts have been replaced in panel by true steel.
2406940	0000143821	PANEL CONTROL OUTPOST 5 BOIS PUMP STATION	5740, Bois St. Sewage Pumping Station, Facility	CAP	Refurbish/ Replace/Repair	0		5740 espanola WWTP Bois st control panel UPS replacement	COMP		12/9/21 11:11 AM	12/9/21 11:11 AM	dixon -purchased UPS from dixon
2407385	0000143842	PANEL CONTROL OUTPOST 5 INDUSTRIAL PARK PUMP STATION	5740, Industrial Park Sewage Pumping Station, Facility	CORR	Refurbish/ Replace/Repair	0		5740 Espanola WWTP Industrial park outpost and alarm panel repair	COMP		12/9/21 06:35 PM	12/9/21 06:35 PM	dixon -ordered panel heater to replace defective unit in alarm dialer panel/ outpost - operator reported no data coming from site. found SCADAPack in bad order, repaired/re-programmed. work complete alarm panel - while working on outpost panel I noticed the heater for the alarm panel was on 24/7, the unit had failed and stuck on. ordered replacement from Dixon and replaced. work complete.

Workorder Summary Report

 Report Start Date: Jan 1, 2021 12:00 AM
 Report End Date: Dec 31, 2021 11:59 PM
 Location: 5740*
 Work Order Type: CALL,CAP,CORR,EMER,OPER,PM
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2221955			5740, Merrit Sewage Pumping Station	CALL	Refurbish/ Replace/Repair	0		5740-SPME, Building Low Temp Alarm	CLOSE		4/2/21 01:45 AM	4/2/21 02:35 AM	-Called in @ 01:45 by True Steel for Merit St. SLS Building Low Temp alarm. Opened Wonder Ware to check on system. SCADA pak temp is 1c. Pump started at 2.22 m. Trending showed normal operations. There was a high level alarm and a high level of 2.9 m at 10:43 am yesterday April 1 2021. Draw down was normal at 2 mins on pump #2. I saw no issue with plant operation. The generator was not running as per Wonder Ware. Monitored for another pump run. Pump #1 ran for 4 mins. No issues.
2406447	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	CORR	Refurbish/ Replace/Repair	0		5740 Espanola Merritt SPS, Generator Repairs	CLOSE		9/9/21 10:22 AM	9/9/21 10:22 AM	5740 Espanola Merritt SPS, Generator Repairs TECH RECOMMENDS: REPLACING THE FUEL INJECTOR BLEED OFF FUEL RETURN HOSES, FOUND HARD CRACKING AND SEEPING A SMALL AMOUNT OF FUEL. -Completed by Total Power late August
2545408	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740	CLOSE	12/1/21 12:00 AM	12/1/21 02:37 PM	12/1/21 02:37 PM	-Ran for 1 1/2 hours, no leaks. Fuel tank at 24".operating temps and pressures good, coolant heater and charger working

Workorder Summary Report

 Report Start Date: Jan 1, 2021 12:00 AM
 Report End Date: Dec 31, 2021 11:59 PM
 Location: 5740*
 Work Order Type: CALL,CAP,CORR,EMER,OPER,PM
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2505862	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740	CLOSE	11/1/21 12:00 AM	11/3/21 01:28 PM	11/3/21 01:28 PM	-Ran for an hour. Fluids good as well as coolant heater and charger. Fuel tank at 24". No issues.
2456991	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740	CLOSE	10/1/21 12:00 AM	10/5/21 09:32 AM	10/5/21 09:32 AM	-Ran 1 hour. No leaks, charger and coolant heater good, operating pressures and temps good. Fuel tank at 24"
2409420	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740	CLOSE	9/1/21 12:00 AM	9/9/21 01:16 PM	9/9/21 01:16 PM	-Ran for an hour. Fuel tank at 24". All pressures and temps good. All fluids good. Coolant heater and charger working.
2367053	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740	CLOSE	8/1/21 12:00 AM	8/4/21 02:21 PM	8/4/21 02:21 PM	-Ran for an hour, all fluids good, operating pressures and temps good, no leaks, charger and coolant heater working. Fuel tank at 24".
2095793	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740	CLOSE	2/1/21 12:00 AM	2/23/21 03:32 PM	2/23/21 03:32 PM	-Ran for an hour. All fluids good. Operating pressures and temps good. Fuel tank at 17.5". Coolant heater and charger working.
2042049	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740	CLOSE	1/1/21 12:00 AM	1/7/21 10:46 AM	1/7/21 10:46 AM	
2320487	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740	CLOSE	7/1/21 12:00 AM	8/4/21 02:15 PM	8/4/21 02:15 PM	
2297499	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	PM	Refurbish/ Replace/Repair	1	YEARS	Diesel Generator Merrit PS Inspection/Functional Test (1y) 5740	CLOSE	6/1/21 12:00 AM	9/9/21 10:32 AM	9/9/21 10:32 AM	-Completed by Total Power August 2021
2272795	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740	CLOSE	6/1/21 12:00 AM	6/8/21 01:40 PM	6/8/21 01:40 PM	

Workorder Summary Report

 Report Start Date: Jan 1, 2021 12:00 AM
 Report End Date: Dec 31, 2021 11:59 PM
 Location: 5740*
 Work Order Type: CALL,CAP,CORR,EMER,OPER,PM
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2227649	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740	CLOSE	5/1/21 12:00 AM	5/4/21 01:05 PM	5/4/21 01:05 PM	-Ran for 1 1/2 hours. Fluids at good levels, operating pressures and temps good, no leaks detected, Fuel tank full. Coolant heater and charger working. Switching station worked flawlessly.
2179563	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740	CLOSE	4/1/21 12:00 AM	4/15/21 10:09 AM	4/15/21 10:09 AM	-Ran for 2 hours. Fuel at 17.5". Charger and coolant heater good. No leaks. All fluids at good levels and operating pressures and temps good.
2135649	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740	CLOSE	3/1/21 12:00 AM	3/13/21 12:11 PM	3/13/21 12:11 PM	-Ran for an hour. No issues. Charger and coolant heater functional. Fuel tank at 17.5". All fluids at good levels. Operating temperatures and pressures good. No leaks detected. Shrouding all clear.
2364080			5740, Espanola WWTP	PM	Calibration	1	YEARS	Flow Meter Calibration (1y) 5740 espanola WW dues Aug 26	CLOSE	9/2/21 12:00 AM	9/9/21 10:19 AM	9/9/21 10:19 AM	-Calibration and inspection performed by Kevin Cooper in July 2021