

# *Espanola Water Pollution Control Plant*

## *Annual Operating Report*

*ECA 1945-BJ6Q3M*  
*Issued January 20, 2020*

*January 1, 2020 – December 31, 2020*

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 m<sup>3</sup> / 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 2019 reporting period.

The total effluent discharge from the Sewage Treatment Plant for the year was 1,153,327m<sup>3</sup>.

The total raw sewage flow into the Sewage Treatment Plant for the year was calculated to be 1,153,327m<sup>3</sup>.

## **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 <sub>5</sub> (mg/L)	Weekly	24hr Composite – External Analysis (Lab)	3	95.17	182
TSS (mg/L)	Weekly	24hr Composite – External Analysis (Lab)	33	140.9	391
TP (mg/L)	Weekly	24hr Composite – External Analysis (Lab)	0.42	1.911	3.74
TKN (mg/L)	Weekly	24hr Composite – External Analysis (Lab)	9.2	17.23	35.6
Alkalinity (mg/L as CaCO <sub>3</sub> )	Weekly	24hr Composite – External Analysis (Lab)	85	111.7	180
Flow (m <sup>3</sup> /d)	Daily	Flow meter	2,332	3,151	4,208

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 <sub>5</sub>	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 <sub>5</sub>		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	3.2	10.1	5.2	16.5	0.094	0.298	0.58	1.84	6.60	6.67
February	2.25	6.8	5.5	16.6	0.118	0.357	0.35	1.06	6.43	6.60
March	3.5	10.9	7.5	23.3	0.12	0.374	0.425	1.32	6.53	6.65
April	2.6	8.7	6.8	22.7	0.116	0.386	0.34	1.13	6.53	6.80
May	2.5	8.8	3.75	13.2	0.088	0.309	1.125	3.95	6.55	6.74
June	3	10.2	3.5	11.9	0.065	0.221	1.65	5.60	6.54	6.75
July	2.67	9.2	4.6	15.8	0.056	0.193	1.24	4.27	6.56	6.82
August	2.75	8.8	6.25	19.9	0.06	0.192	2.825	9.02	6.52	6.89
September	4	11.6	7	20.2	0.115	0.332	7	20.2	6.82	7.08
October	3	8.3	4.4	12.2	0.06	0.166	0.92	2.55	6.45	6.80
November	2	6.0	6.25	18.8	0.063	0.189	0.175	0.53	6.39	6.64
December	2.4	7.1	6.8	20.1	0.066	0.195	0.12	0.36	6.54	6.70
Max	3.5	11.6	7.5	23.3	0.116	0.386	7	20.2		
Average	2.92	8.9	5.62	17.6	0.084	0.268	1.325	4.32		
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

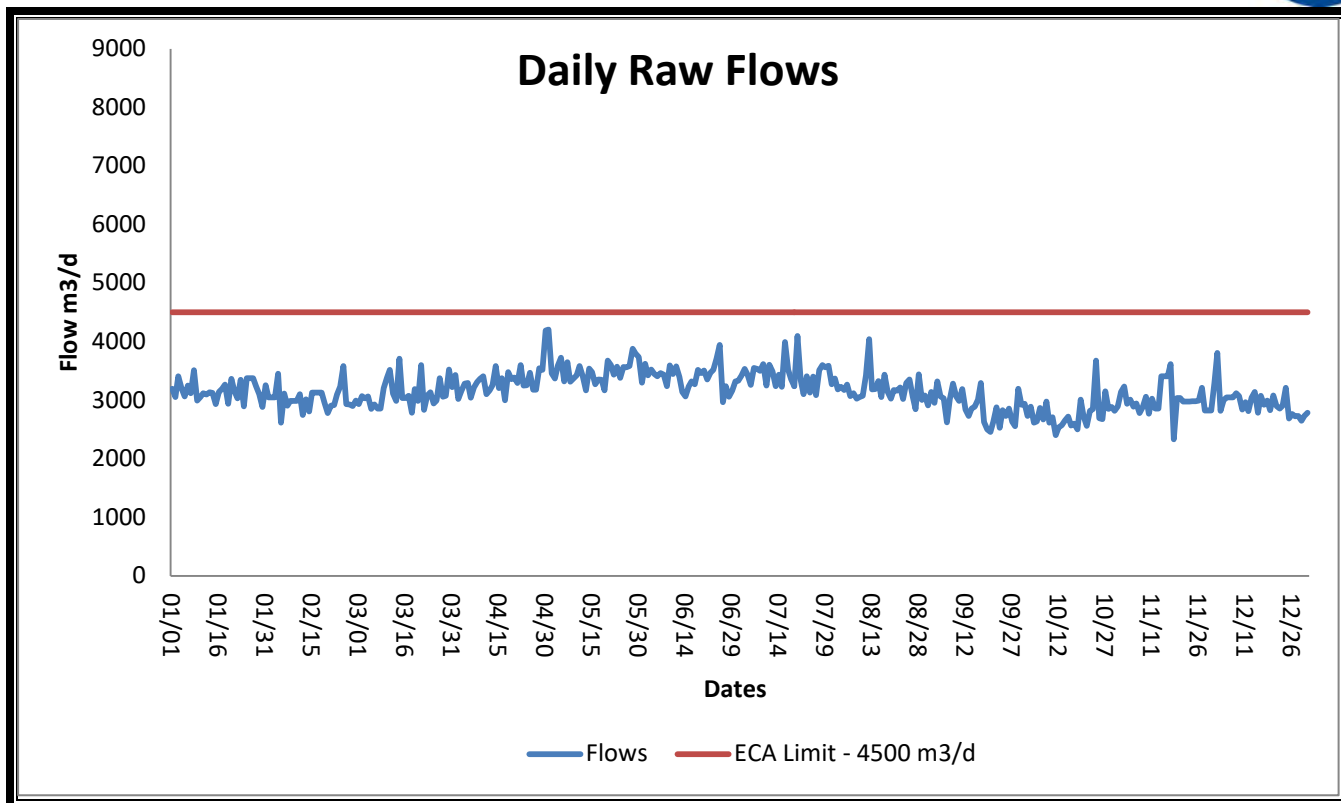


Additional Effluent Monitoring Samples								
Month	Nitrate		Alkalinity		*E.Coli		Temperature	
	Max	Avg	Max	Avg	Max	Avg	Max	Avg
January	9.39	8.10	26	24.2	14	7.09	7.3	6.98
February	9.02	8.22	31	26.25	74	41.6	6.7	6.18
March	7.96	6.99	38	30.75	48	13.6	7.3	6.88
April	8.58	7.43	38	32	24	12.3	8.7	7.84
May	7.02	5.77	47	33.5	18	12.7	12.8	10.58
June	5.98	5.24	231	89.75	300	10.9	14.6	13.95
July	7.32	4.94	46	38	36	13.4	17.2	16.68
August	5.48	3.94	59	52.25	17	21.1	19.6	18.25
September	7	3.27	98	76.5	2600	300.2	17.8	16.6
October	13.8	11.1	65	33.2	152	98.4	15.3	14.73
November	13.1	11.5	28	17.25	42	18.8	13.8	13
December	13	11.9	17	12.4	640	20.47	10.1	9.37

\* 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 <sup>3</sup> )	Avg Daily Flow (m <sup>3</sup> /d)	Peak Daily Flow (m <sup>3</sup> /d)	Discharge Volumes (m <sup>3</sup> )
January	98,253	3,169.45	3,512	98,253
February	87,659.13	3,022.73	3,583.15	87,659.13
March	96,489.51	3,112.56	3,710.98	96,489.51
April	99,943.81	3,331.46	4,189.53	99,943.81
May	108,865.36	3,511.79	4,208.30	108,865.36
June	101,889.6	3,396.32	3,945.34	101,889.6
July	106,683	3,441.39	4,098.08	106,683
August	99,008.24	3,193.81	4,042.14	99,008.24
September	86,686.18	2,889.54	3,322.97	86,686.18
October	85,855.76	2,769.54	3,678.46	85,855.76
November	90,241.03	3,008.03	3,616	90,241.03
December	91,752.43	2,959.76	3,808	91,752.43
<b>Total</b>	<b>1,153,327.09</b>			<b>1,153,327.09</b>
<b>Average</b>		<b>3,151.17</b>		
<b>Maximum</b>			<b>4,208.30</b>	



Year	Total Raw Sewage Flow m <sup>3</sup> /d	Avg Day Sewage Flow m <sup>3</sup> /d	Max Day Sewage Flow m <sup>3</sup> /d	Avg Day % of Rated Capacity 4,500 m <sup>3</sup> /d
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%
2017	1,081,008	2,969.8	5,346	65.9%

The average flows measured into the sewage treatment plant did not exceed the specified average daily flow of 4500 m<sup>3</sup>/day in 2020.

The average daily flow for 2020 is 3,151/d which is approximately 70% of the rated capacity therefore, no assessment is required. The highest recorded peak flow occurred in May (4,208m<sup>3</sup>/d) and was approximately 94% of the average rated capacity, however the peak flow rate specified in the ECA is 12,300 m<sup>3</sup>/d. The highest recorded flow was 34% of the peak flow rating. The 2020 sewage flows are slightly higher than 2019 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 [1,153,327m<sup>3</sup>](#).

The total effluent discharge from the Sewage Treatment Plant for the year was [1,153,327m<sup>3</sup>](#). Effluent flows are equal to the raw flows.

The average concentrations and loadings for the above parameters were well within the compliance limits specified in the facility ECA. The objective limits specified in the ECA were met more than 50% of the time during the [2020](#) 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 [2020](#) 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. Minor callouts were mostly due to power failures. There were no process related callouts for the reporting period.

In September, the monthly geometric mean for E.coli was exceeded with a result of 300 GMD. During the month, treatment of wastewater was administered through the use of a single clarifier. The second clarifier was taken down for some refurbishment work. During this time, it was found the sludge blanket sat high on the clarifier with no room to waste much. Once the second clarifier was back online and results quickly showed improvement.

## **SECTION 6: Maintenance**

Plant maintenance is monitored using a Work Management System (WMS). Effluent monitoring equipment was calibrated as required in [2020](#). The flow meters were verified on August 26, 2020, 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 A](#). Major maintenance is listed in the table below.

<b>Work Order</b>	<b>Completion Date</b>	<b>Comment</b>
<a href="#">1587521</a>	<a href="#">17-Nov-20</a>	<a href="#">Clarifier weir rehabilitation</a>



## **SECTION 7: Sludge**

### Volume of Sludge Hauled

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Total Volume (m <sup>3</sup> )	600	0	418.5	418.2	372.5	244.2	638.7	278.7	280	364.6	419.7	321.8	4,357.7

### Lab Results for Sludge Hauled

Parameter	2019 Average Concentration	2019 Average Concentration	2018 Average Concentration	2017 Average Concentration	2016 Concentration
BOD <sub>5</sub>	3,540.8	3,332.5	1,307.5	2,155.5	
Total Solids	16,660.6	16,695.8	16,675	14,858.1	15,862.5
Total Phosphorus	371.17	504.17	435	475.7	525
Total Ammonia					5.8
TKN	1,033.5	1,130.75	1,031.5	2,007.6	
Nitrite					<0.2
Nitrate					3.4
Arsenic	0.0985	0.1	0.1	0.085	0.1
Cadmium	0.014	0.025	0.011	0.052	0.008
Cobalt	0.049	0.062	0.073	1.56	0.071
Chromium	0.352	0.358	0.333	0.255	0.27
Copper	7.17	9.896	9.8	16.2	9
Mercury	0.007	0.012	0.01	5.42	0.009
Potassium	82.63	95.17	94	74.7	106
Molybdenum	0.096	0.239	0.128	40.96	0.12
Nickel	0.529	0.551	0.628	0.629	0.64
Lead	0.312	0.509	0.325	0.32	0.31
Selenium	0.098	0.1	0.1	0.1	<0.11
Zinc	6.24	7.317	7	6.03	5.7
Silver	0.03	0.036	0.3	0.04	0.095
Aluminum	674.4	815	822.5	803.7	830
Antimony	0.097	0.1	0.1	0.11	<0.11
Bismuth	0.625	0.804	0.5	0.284	0.275
Boron	0.296	0.27	0.3	0.239	0.27
Manganese	5.84	24.15	60	50	58
Tin			0.9	0.32	0.39
Titanium	3.90	3.75	2.68	4.02	3.9
Vanadium	0.16	0.1805	0.218	0.22	0.19





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A total volume of 4,357.7m<sup>3</sup> was removed from the Espanola WPCP in 2020 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 2021.

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 2020 reporting year

## **SECTION 9: Additional Information**

Due to the pandemic, in 2020, no work was started or completed for the Proposed Works included in the ECA. Work is beginning in 2021.



# Appendix A

## Plant Maintenance

# On Site Flow Meter Verification Certificate



87B Center St,  
Espanola, Ontario P5E 1S4  
Tel - 705-869-5578 Fax - 705-869-4374

**Facility Name:** Espanola WWTP

**Address:** \_\_\_\_\_

\_\_\_\_\_

**Contact:** Bill Hanson

**Date of Verification:** Aug 26 2020

**Verification Pass/Fail:** Pass

**Comment:** \_\_\_\_\_

Calibration required upon verification fail

### Flow Meter Information

**Description:** Raw

**Manufacturer:** Milltronics OCM III

**Serial No:** \_\_\_\_\_

**WMS ID:** 143003

**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	9754	294012	Jan-20	Jan-21

### Verification Parameters and Conditions

**Flume Type** Parshall Flume

**Transducer Used:** ajdesigner.com (parshall flume calculator)

**Throat Width:** 9"

**Upstream Depth:** 8"

Calibration Point	Flow Meter Measured Value	Calculated Value	Units of Measurement	MPE +/- 5%	% MPE
1	145	165	m3/h		114%

Name (Print) Jon McDonald

# On Site Flow Meter Verification Certificate



87B Center St,  
Espanola, Ontario P5E 1S4  
Tel - 705-869-5578 Fax - 705-869-4374

**Facility Name:** Espanola WWTP  
**Address:** \_\_\_\_\_  
\_\_\_\_\_

**Contact:** Bill Hanson

**Date of Verification:** Aug 26 2020  
**Verification Pass/Fail:** Pass  
**Comment:** \_\_\_\_\_

Calibration required upon verification fail

**Flow Meter Information**

**Description:** Raw Bypass  
**Manufacturer:** Milltronics OCM III  
**Serial No:** \_\_\_\_\_  
**WMS ID:** 1430034  
**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	9754	294012	Jan-20	Jan-21

**Verification Parameters and Conditions**

**Flume Type** Parshall Flume  
**Transducer Used:** ajdesigner.com (parshall flume calculator)  
**Throat Width:** 9"  
**Upstream Depth:** 9"

Calibration Point	Flow Meter Measured Value	Calculated Value	Units of Measurement	MPE +/- 5%	% MPE
1	208	198	m3/h		95%

Name (Print) Jon McDonald

# On Site Flow Meter Verification Certificate



87B Center St,  
Espanola, Ontario P5E 1S4  
Tel - 705-869-5578 Fax - 705-869-4374

**Facility Name:** Espanola WWTP  
**Address:** \_\_\_\_\_  
 \_\_\_\_\_  
**Contact:** Bill Hanson

**Date of Verification:** Aug 26 2020  
**Verification Pass/Fail:** Pass  
**Comment:** \_\_\_\_\_

Calibration required upon verification fail

## Flow Meter Information

**Description:** Waste Activated Sludge  
**Manufacturer:** EH Promag 4000  
**Serial No:** LC030916000  
**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	9754	294012	Jan-20	Jan-21

## Verification Parameters and Conditions

**Pipe Construction:** 6' DUCTILE IRON  
**Transducer Used:** 401  
**Wall Thickness:** 9-11 MM  
**Outside Diameter:** 6.9"  
**Transducer Spacing:** 6.3"  
**Water Temperature:** 18C  
**Sound Speed m/s:** 1480  
**Measured Value:** 62%

Calibration Points	Flow Meter Measured Value	Panametrics Measured Value	Units of Measurement	MPE +/- 5%	% MPE
1	9.5	10.6	L/S		112%

Name (Print) Jon McDonald



## Workorder Summary Report

 Report Start Date: Jan 1, 2020 12:00 AM  
 Report End Date: Dec 31, 2020 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
<a href="#">1587895</a>			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	2/1/20 12:00 AM	3/18/20 02:07 PM	3/18/20 02:07 PM	
<a href="#">1591667</a>			5740, Espanola WWTP	PM	Health and Safety	1	YEARS	Fire Protection System Inspection (1y) 5740	CLOSE	2/1/20 12:00 AM	9/2/20 09:32 AM	9/2/20 09:32 AM	
<a href="#">1876360</a>			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	9/1/20 12:00 AM	11/17/20 01:17 PM	11/17/20 01:17 PM	
<a href="#">1837656</a>			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	8/1/20 12:00 AM	8/14/20 09:34 AM	8/14/20 09:34 AM	-All lighting and signage in place and working. First Aid kit stocked and available .Shower deluge clean and working as well as eyewash station.
<a href="#">1919884</a>			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	10/1/20 12:00 AM	10/8/20 12:22 PM	10/8/20 12:22 PM	-All emergency lighting and signs good. Eyewash and shower deluge clean and working. First aid kit stocked and available.
<a href="#">2002119</a>			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	COMP	12/1/20 12:00 AM	12/8/20 01:01 PM	12/8/20 01:01 PM	-First aid kit onsite and stocked. All emergency and exit lighting good. Eyewash and shower deluge clean and working.
<a href="#">1964488</a>			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	11/1/20 12:00 AM	11/17/20 01:12 PM	11/17/20 01:12 PM	-All signage in place and emergency lights operational. Eyewash and shower deluge clean and working. First aid kit stocked
<a href="#">1752663</a>			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	6/1/20 12:00 AM	6/4/20 11:58 AM	6/4/20 11:58 AM	-First aid kit stocked and available. Emergency lighting good. signage in place. Ladders should be installed in digesters in case someone falls in. Emergency shower deluge and eyewash clean and functional.
<a href="#">1710688</a>			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	5/1/20 12:00 AM	6/4/20 12:02 PM	6/4/20 12:02 PM	-completed

## Workorder Summary Report

 Report Start Date: Jan 1, 2020 12:00 AM  
 Report End Date: Dec 31, 2020 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
<a href="#">1795501</a>			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	7/1/20 12:00 AM	7/8/20 02:19 PM	7/8/20 02:19 PM	-All emergency lights work, signage good, first aid kit stocked and available , shower deluge and eyewash clean and working, Some outside lights not working
<a href="#">1553807</a>			5740, Espanola WWTP	OPER	Health and Safety	1	YEARS	Workplace Inspection (1y) 5740 - SEE ATTACHED DOC	CLOSE	1/1/20 12:00 AM	4/29/20 02:21 PM	4/29/20 02:21 PM	-Documentation complete and submitted
<a href="#">1625332</a>			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	3/1/20 12:00 AM	3/18/20 02:02 PM	3/18/20 02:02 PM	-All emergency lighting working. Signage is all in place. First Aid kit on site and stocked. Outdoor lighting not working on digester building. Four on building and one on pole. Three outdoor lights on inlet building not working. Two outdoor lights on blower building not working. Shower deluge and eyewash clean and working and in good order. changed eye wash solution at Merrit SLS -Eye wash station was drained at Merrit SLS(which took 15min), cleaned/disinfected and refilled with eye wash solution.
<a href="#">1665434</a>			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	4/1/20 12:00 AM	4/29/20 02:05 PM	4/29/20 02:05 PM	-All signage in place and working. First aid kit stocked and available. Shower and eyewash clean and working. Outside building lighting and issue. Cement around aeration cells and digesters hand railings need attention.
<a href="#">1537582</a>			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	1/1/20 12:00 AM	3/18/20 02:06 PM	3/18/20 02:06 PM	
<a href="#">1540125</a>			5740, Espanola WWTP	OPER	Health and Safety	1	YEARS	WHMIS/MSDS/NSF Review And Update (1y) 5740	CLOSE	1/1/20 12:00 AM	9/2/20 09:11 AM	9/2/20 09:11 AM	-completed
<a href="#">1539424</a>			5740, Espanola WWTP	OPER	Compliance	1	YEARS	Non-Routine Sampling (1y) 5740	CLOSE	1/1/20 12:00 AM	9/2/20 09:36 AM	9/2/20 09:36 AM	



**Workorder Summary Report**

Report Start Date: Jan 1, 2020 12:00 AM  
 Report End Date: Dec 31, 2020 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
<a href="#">1689165</a>			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	4/1/20 12:00 AM	4/29/20 02:08 PM	4/29/20 02:08 PM	-All data entered and verified
<a href="#">1607939</a>			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	2/1/20 12:00 AM	3/19/20 01:35 PM	3/19/20 01:35 PM	-All available data entered and verified
<a href="#">1566766</a>			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	1/1/20 12:00 AM	1/3/20 01:24 PM	1/3/20 01:24 PM	-All data entered and verified upon review
<a href="#">1817022</a>			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	7/1/20 12:00 AM	8/5/20 01:48 PM	8/5/20 01:48 PM	-All data entered and verified.
<a href="#">1646702</a>			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	3/1/20 12:00 AM	3/19/20 01:38 PM	3/19/20 01:38 PM	-All available data entered and verified. Data is now being entered from SCADA daily reports.
<a href="#">1732284</a>			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	5/1/20 12:00 AM	6/2/20 01:18 PM	6/2/20 01:18 PM	-All data entered and verified upon review
<a href="#">2021634</a>			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	COMP	12/1/20 12:00 AM	1/4/21 02:15 PM	1/4/21 02:15 PM	-All data entered and reviewed
<a href="#">1774316</a>			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	6/1/20 12:00 AM	6/4/20 12:17 PM	6/4/20 12:17 PM	-All data entered and verified upon review.
<a href="#">1942195</a>			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	COMP	10/1/20 12:00 AM	12/8/20 12:50 PM	12/8/20 12:50 PM	
<a href="#">1983478</a>			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	COMP	11/2/20 12:00 AM	12/3/20 11:15 AM	12/3/20 11:15 AM	-Entered and verified all data for the month of Nov 2020
<a href="#">1857497</a>			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	8/1/20 12:00 AM	9/2/20 08:50 AM	9/2/20 08:50 AM	-All data entered and verified upon review for August 2020
<a href="#">1897728</a>			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	9/1/20 12:00 AM	10/2/20 04:33 PM	10/2/20 04:33 PM	-All data entered has been corrected and reviewed for the month of September 2020

## Workorder Summary Report

 Report Start Date: Jan 1, 2020 12:00 AM  
 Report End Date: Dec 31, 2020 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
<a href="#">1661180</a>			5740, Espanola WWTP, Process, Process Control and Monitoring, Solids Handling	CALL	Compliance	0		5740-WWES-P-PC-SLDHDG, BIPASS CALLOUT ALARM	CLOSE		2/27/20 05:45 AM	2/27/20 07:30 AM	- Called in for Plant Bypass. Arrived to find blowing snow was building up in the bypass chamber. There was no liquid bypass from the headworks or any other part of the process. ALL GOOD Shoveled out the bypass chamber underneath the transducer to stop alarming. Suggest putting a plywood board over the bipass grating to help keep snow out of the bypass chamber.
<a href="#">1588760</a>	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	2/1/20 12:00 AM	3/10/20 02:39 PM	3/10/20 02:39 PM	-UV system was cleaned a few times and was fully operational with no issues.
<a href="#">1837615</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	8/1/20 12:00 AM	8/14/20 09:31 AM	8/14/20 09:31 AM	-Drained and cleaned out grit conveyor and inspected. Greased all fittings
<a href="#">1837652</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	8/1/20 12:00 AM	11/17/20 01:26 PM	11/17/20 01:26 PM	
<a href="#">1876319</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	9/1/20 12:00 AM	9/2/20 09:09 AM	9/2/20 09:09 AM	-Inspected and greased all valves and RAS pumps in RAS Pump room
<a href="#">1876356</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	9/1/20 12:00 AM	11/17/20 01:17 PM	11/17/20 01:17 PM	
<a href="#">2002078</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	COMP	12/1/20 12:00 AM	12/8/20 12:54 PM	12/8/20 12:54 PM	-Checked oil levels in both clarifier drives. #2 good. #1 needed oil as always and is in rough shape Drive chains good on both. Also added antifreeze to drives for the winter months.
<a href="#">2002115</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	COMP	12/1/20 12:00 AM	1/5/21 02:35 PM	1/5/21 02:35 PM	

## Workorder Summary Report

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 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
<a href="#">1587854</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	2/1/20 12:00 AM	3/12/20 02:34 PM	3/12/20 02:34 PM	-Removed Raw composite sampler pick up. Unplugged and cleaned and reinstalled.
<a href="#">1587891</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	2/1/20 12:00 AM	6/4/20 12:05 PM	6/4/20 12:05 PM	
<a href="#">1946654</a>			5740, Espanola WWTP	PM	Inspection	6	MONTHS	Chemical Review/Expiry Verification (6m) 5740	COMP	10/1/20 12:00 AM	12/16/20 11:29 AM	12/16/20 11:29 AM	-No chemicals of mention are used on site.
<a href="#">1964447</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	11/1/20 12:00 AM	11/17/20 01:14 PM	11/17/20 01:14 PM	-Cleaned out and sprayed down the inlet building. Cleaned out bypass screen
<a href="#">1964484</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	11/1/20 12:00 AM	11/17/20 01:16 PM	11/17/20 01:16 PM	-Tested RAS PUMP 1 FAULT alarm. Received a call
<a href="#">1778004</a>			5740, Espanola WWTP	PM	Inspection	1	YEARS	Lifting Equipment Inspection (1y) 5740	CLOSE	6/1/20 12:00 AM	9/2/20 09:30 AM	9/2/20 09:30 AM	
<a href="#">1919840</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	10/1/20 12:00 AM	11/17/20 01:19 PM	11/17/20 01:19 PM	-Checked and added oil to clarifier 1 drive
<a href="#">1919880</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	10/1/20 12:00 AM	11/17/20 01:17 PM	11/17/20 01:17 PM	
<a href="#">1710647</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	5/1/20 12:00 AM	6/4/20 12:00 PM	6/4/20 12:00 PM	-Repacked auto lubricators on bar screen.
<a href="#">1710684</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	5/1/20 12:00 AM	6/4/20 12:03 PM	6/4/20 12:03 PM	
<a href="#">1754025</a>			5740, Espanola WWTP	PM	Inspection	1	YEARS	Lifting Equipment Inspection (1y) 5740	CLOSE	6/1/20 12:00 AM	9/2/20 09:30 AM	9/2/20 09:30 AM	
<a href="#">1752622</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	6/1/20 12:00 AM	6/4/20 11:55 AM	6/4/20 11:55 AM	-Removed all unused aerators from holding tank
<a href="#">1752659</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	6/1/20 12:00 AM	6/4/20 12:04 PM	6/4/20 12:04 PM	

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				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
<a href="#">1692200</a>	0000294009	5740 Espanola Confined Space Trailer	5740, Espanola WWTP	OPER	Inspection	3	MONTHS	5740 Espanola Confined Space Trailer Inspection (3m)	CLOSE	4/1/20 12:00 AM	6/15/20 11:41 AM	6/15/20 11:41 AM	complete -monitors/gas/SRL inspected/calibrated.
<a href="#">1693291</a>			5740, Espanola WWTP	PM	Inspection	6	MONTHS	Chemical Review/Expiry Verification (6m) 5740	CLOSE	4/1/20 12:00 AM	9/2/20 09:32 AM	9/2/20 09:32 AM	
<a href="#">1795457</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	7/1/20 12:00 AM	7/8/20 02:04 PM	7/8/20 02:04 PM	-Greased and inspected all valves in RAS pumphoom
<a href="#">1795497</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	7/1/20 12:00 AM	11/17/20 01:25 PM	11/17/20 01:25 PM	
<a href="#">1665390</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	4/1/20 12:00 AM	4/29/20 02:01 PM	4/29/20 02:01 PM	-Checked and topped both clarifier drive lubricant.
<a href="#">1665430</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	4/1/20 12:00 AM	6/4/20 12:05 PM	6/4/20 12:05 PM	
<a href="#">1629234</a>			5740, Espanola WWTP	PM	Inspection	1	YEARS	Electrical Equipment Inspection/Service (1y) 5740 Espanola WW	CLOSE	3/1/20 12:00 AM	9/2/20 09:34 AM	9/2/20 09:34 AM	
<a href="#">1569271</a>	0000294009	5740 Espanola Confined Space Trailer	5740, Espanola WWTP	OPER	Inspection	3	MONTHS	5740 Espanola Confined Space Trailer Inspection (3m)	CLOSE	1/1/20 12:00 AM	6/15/20 11:27 AM	6/15/20 11:27 AM	cleaning/repairs - Feb 26 2020 found ice dam built up inside, opened doors and put into sunlight to de-ice. cleaned trailer and disinfected floor. put calibration paperwork in trailer.
<a href="#">1625291</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	3/1/20 12:00 AM	3/12/20 02:32 PM	3/12/20 02:32 PM	-Performed cleaning out the inlet channel to bar screen.
<a href="#">1625328</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	3/1/20 12:00 AM	6/4/20 12:05 PM	6/4/20 12:05 PM	
<a href="#">1537538</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	1/1/20 12:00 AM	1/16/20 03:23 PM	1/16/20 03:23 PM	-Checked fluid levels on both clarifier drives and added lube as needed.
<a href="#">1537578</a>			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	1/1/20 12:00 AM	6/4/20 12:06 PM	6/4/20 12:06 PM	

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				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
<a href="#">1538882</a>	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	1/1/20 12:00 AM	1/8/20 01:35 PM	1/8/20 01:35 PM	-Cleaned all parts and channel. All UV lights working well. UV sensor good. Checked wiper lubricant. Cleaned weirs.
<a href="#">1626198</a>	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	3/1/20 12:00 AM	3/10/20 02:36 PM	3/10/20 02:36 PM	-Cleaned and inspected all parts. All lights working. UV intensity sensor good. Wipers lubed and working. Cleaned channel and weirs.
<a href="#">1666431</a>	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	4/1/20 12:00 AM	4/2/20 11:17 AM	4/2/20 11:17 AM	-Cleaned and inspected all parts. No issues. Cleaned weirs and channel. Wipers working well.
<a href="#">1796694</a>	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	7/1/20 12:00 AM	7/8/20 02:07 PM	7/8/20 02:07 PM	-Cleaned and inspected all parts of UV system. Cleaned weirs and channels. No issues
<a href="#">1877185</a>	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	9/1/20 12:00 AM	9/2/20 09:07 AM	9/2/20 09:07 AM	-Checked all parts and cleaned. UV intensity sensor working well. All bulbs working. No issues.
<a href="#">1711611</a>	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	5/1/20 12:00 AM	5/5/20 11:19 AM	5/5/20 11:19 AM	-Cleaned and inspected all parts of reactors. Re lubed wipers. UV sensor good. Cleaned channels and weirs.
<a href="#">1753767</a>	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	6/1/20 12:00 AM	6/2/20 01:16 PM	6/2/20 01:16 PM	-All parts cleaned and inspected. Replaced bulb socket on Bank 1 #3 UV light. Cleaned weirs and channels. UV sensor good. No other issues.
<a href="#">1920874</a>	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	10/1/20 12:00 AM	10/8/20 12:06 PM	10/8/20 12:06 PM	-Cleaned and inspected all parts. Cleaned channels and weirs.
<a href="#">1965367</a>	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	11/1/20 12:00 AM	11/3/20 03:12 PM	11/3/20 03:12 PM	-Cleaned all channels and weirs. All UV lights working. No issues

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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
<a href="#">2003037</a>	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	COMP	12/1/20 12:00 AM	12/3/20 11:31 AM	12/3/20 11:31 AM	-Inspected all parts of UV system. All lights working. Wipers good. UV intensity good. Channels and weirs cleaned.
<a href="#">1838549</a>	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	8/1/20 12:00 AM	8/5/20 11:10 AM	8/5/20 11:10 AM	-Inspected and cleaned all parts. Cleaned channels and weirs. UV sensor operational. Lubed wipers.
<a href="#">1611372</a>	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	2/1/20 12:00 AM	3/4/20 11:30 AM	3/4/20 11:30 AM	- All weekly checks, gas receipts and kilometers submitted.
<a href="#">1571629</a>	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	1/1/20 12:00 AM	2/4/20 11:43 AM	2/4/20 11:43 AM	-Weekly checks, kilometers and gas receipts submitted
<a href="#">1650588</a>	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	3/1/20 12:00 AM	4/2/20 11:00 AM	4/2/20 11:00 AM	-All weekly checks and kms with gas receipts submitted
<a href="#">1693930</a>	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	4/1/20 12:00 AM	5/5/20 11:25 AM	5/5/20 11:25 AM	-All weekly checks, kilometers and gas receipts submitted
<a href="#">1821282</a>	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	7/1/20 12:00 AM	7/3/20 01:23 PM	7/3/20 01:23 PM	-KMS and gas receipts submitted with weekly checks
<a href="#">1736567</a>	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	5/1/20 12:00 AM	6/4/20 12:02 PM	6/4/20 12:02 PM	-All weekly checks and mileage submitted. Gas receipts too.

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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
<a href="#">1780015</a>	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	6/1/20 12:00 AM	7/3/20 01:25 PM	7/3/20 01:25 PM	
<a href="#">1947689</a>	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	10/1/20 12:00 AM	11/4/20 10:18 PM	11/4/20 10:18 PM	-check lists, kms, receipts submitted
<a href="#">1987307</a>	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	11/2/20 12:00 AM	12/3/20 11:17 AM	12/3/20 11:17 AM	-All weekly checks, kms and gas receipts submitted
<a href="#">2025314</a>	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	12/1/20 12:00 AM	1/4/21 02:20 PM	1/4/21 02:20 PM	-All weekly inspections and kms submitted with Gas receipts.
<a href="#">1861786</a>	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	8/1/20 12:00 AM	9/2/20 08:54 AM	9/2/20 08:54 AM	-All checks submitted with gas receipts and kilometers
<a href="#">1903157</a>	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	9/1/20 12:00 AM	10/8/20 12:20 PM	10/8/20 12:20 PM	-Gas receipts and checks submitted
<a href="#">1836116</a>	0000227607	DEHUMIDIFIER TUNNEL	5740, Espanola WWTP, Facilities, HVAC, Air Handling Units and Dehumidifiers	CORR	Refurbish/ Replace/Repair	0		5740 Espanola STP small dehumidifeir not working	CLOSE		11/17/20 01:25 PM	11/17/20 01:25 PM	-Operator noticed no water coming from dehumidifier and that no ice was forming on the grill. Read the manual and am currently trying to get a service ticket started with the manufacturer but there is an issue with there ticket system. Operator spoke with manager and still no progress will call back again.

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 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
<a href="#">1667058</a>	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	4/1/20 12:00 AM	12/16/20 11:20 AM	12/16/20 11:20 AM	
<a href="#">1667090</a>	0000227607	DEHUMIDIFIER TUNNEL	5740, Espanola WWTP, Facilities, HVAC, Air Handling Units and Dehumidifiers	PM	Refurbish/ Replace/Repair	1	YEARS	Dehumidifier Inspection (1y) 5740	COMP	4/1/20 12:00 AM	12/14/20 01:35 PM	12/14/20 01:35 PM	-Dehumidifier in place and operational. Cleaned filter. Pulled off cover and inspected and blew out.
<a href="#">1667106</a>	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	COMP	4/1/20 12:00 AM	12/14/20 01:38 PM	12/14/20 01:38 PM	-RAS room dehumidifier hasn't been on site for years. Was located at Espanola  -Not on site for years. Was at Espanola Mobile Home and since has been retired due to failure.
<a href="#">1921622</a>	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	10/1/20 12:00 AM	12/16/20 11:19 AM	12/16/20 11:19 AM	-Inspected all louvers and fans. Minor debris with no blockage. Belts good. Changed filters on intake shroud. Lubed and greased any available fittings.
<a href="#">1837284</a>	0000143828	HEATER ELECTRIC DIGESTER ROOM ESP WWTP	5740, Espanola WWTP, Facilities, HVAC, Heaters	CORR	Refurbish/ Replace/Repair	0		5740 Espanola WWTP Digester heater	CLOSE		9/10/20 12:01 PM	9/10/20 12:01 PM	
<a href="#">1588716</a>	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP, Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	2/1/20 12:00 AM	2/4/20 01:14 PM	2/4/20 01:14 PM	-Ran for an hour. Fuel tanks at 7/8 and 7/8. Fluids at good levels. Operating pressures and temperatures good. Coolant heater good
<a href="#">1538831</a>	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP, Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	1/1/20 12:00 AM	1/6/20 12:40 PM	1/6/20 12:40 PM	-Fluids at good levels, Fuel tanks at 7/8 and 3/4. Ran for an hour. Operating pressures and temps good.



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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
<a href="#">1626143</a>	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	3/1/20 12:00 AM	3/4/20 11:40 AM	3/4/20 11:40 AM	-Ran for over an hour. All fluid levels were good. Operating temperatures and pressures were good. Fuel tanks both at 7/8. Ventilation and shrouds good. Coolant heater and charger good.
<a href="#">1666381</a>	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	4/1/20 12:00 AM	4/2/20 11:14 AM	4/2/20 11:14 AM	-Ran for an hour. All fluid levels good. Operating pressures and temps good. Coolant heater and charger good. Fuel tanks at full and 7/8.
<a href="#">1796647</a>	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	7/1/20 12:00 AM	7/8/20 02:12 PM	7/8/20 02:12 PM	-Ran for an hour, fluids all good, operating pressures and temps good. Fuel at 3/4.
<a href="#">1711565</a>	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	5/1/20 12:00 AM	5/5/20 11:12 AM	5/5/20 11:12 AM	-Ran for an hour, all fluids good, coolant heater and charger operational, operating pressures and temps good, fuel tanks at full and 7/8.
<a href="#">1877142</a>	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	9/1/20 12:00 AM	9/2/20 09:04 AM	9/2/20 09:04 AM	-Ran for an hour, operating pressures and temps good, charger and coolant heater good, Fuel tanks at 7/8 and 3/4. No leaks detected
<a href="#">1753724</a>	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	6/1/20 12:00 AM	6/4/20 11:50 AM	6/4/20 11:50 AM	-All fluid levels good. Coolant heater and charger good. Operating temps and pressures good. No issues or leaks. Fuel tanks at full and 7/8.
<a href="#">1778375</a>	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	YEARS	Diesel Generator Inspection/ Functional Test (1y) 5740	CLOSE	6/1/20 12:00 AM	9/2/20 09:28 AM	9/2/20 09:28 AM	
<a href="#">1920819</a>	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	10/1/20 12:00 AM	10/8/20 12:13 PM	10/8/20 12:13 PM	-Ran for an hour. No leaks. Operating pressures and temps good, fluids good, coolant heater and charger good. No issues. Fuel tanks at 7/8 and 3/4.

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<a href="#">1965322</a>	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	11/1/20 12:00 AM	11/3/20 03:09 PM	11/3/20 03:09 PM	-Shrouding all clear. Fuel tanks at 3/4 and 7/8.Operating pressures and temps good. Charger and coolant heater working. No leaks
<a href="#">2002994</a>	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	COMP	12/1/20 12:00 AM	12/3/20 11:21 AM	12/3/20 11:21 AM	-Ran for an hour. No leaks and fluids are all good. Fuel tanks at 7/8 and 3/4. Coolant heater and charger good. Operating pressures and temps good.
<a href="#">1838506</a>	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	8/1/20 12:00 AM	8/5/20 11:04 AM	8/5/20 11:04 AM	-Ran for 1 1/2 hours. Fluids and operating temps and pressures all good. No leaks. Coolant heater and charger operational. Fuel tanks at full and 7/8.
<a href="#">1918980</a>			5740, Espanola WWTP, Process	CALL	Refurbish/ Replace/Repair	0		5740-WWES-P, COMMUNICATION FAILURE	CLOSE		9/25/20 05:15 PM	9/25/20 06:45 PM	-Called in for ALL comms communication failure. Arrived to plant to find that there where no issues. ALL equipment was operating as should. Monitored from home via WW for approx. 1 hour post call out.
<a href="#">1667080</a>	0000143081	CONVEYOR SCREW GRIT	5740, Espanola WWTP, Process, Headworks	PM	Refurbish/ Replace/Repair	1	YEARS	Conveyor Inspection (1y) 5740	COMP	4/1/20 12:00 AM	12/16/20 11:26 AM	12/16/20 11:26 AM	-Drained and cleaned out entire holding tray and conveyor. Alignment good, greased all available fittings. Some wear on screw but not significant. Put back online and observed. No issues.

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<a href="#">1708501</a>	0000259360	ANALYZER pH	5740, Espanola WWTP, Process, Process Control and Monitoring	CORR	Refurbish/ Replace/Repair	0		5740 Espanola WWTP Effluent PH probe	CLOSE		4/24/20 01:39 PM	4/24/20 01:39 PM	sensor failure - The Ph probe has stopped working and needs replaced. the connection/wire on the cable was spliced prior to me starting at OCWA and is not in good shape and is also recommended by the manufacturer to not splice or cut the cable, so a new cable will be installed also. repair - April 20 2020 picked up cable from Synergy. installed new cable and ph probe. calibrated, and fixed comm issue to SCADA. work complete.
<a href="#">1584770</a>			5740, Espanola WWTP, Facilities	CORR	Refurbish/ Replace/Repair	0		5740 Espanola STP Natural Gas Line Repairs	CLOSE		11/17/20 01:23 PM	11/17/20 01:23 PM	5740 Espanola STP Natural Gas Line Repairs -Due to an infraction issued by Enbridge Gas when the gas meter was changed there is a requirement to correct deficiencies in the gas line that exits the tunnel and goes to the inlet building
<a href="#">1915467</a>			5740, Espanola WWTP, Facilities, Building and Grounds	CORR	Refurbish/ Replace/Repair	0		5740 Espanola STP Natural Gas Line Relocation - TSSA Defect	CLOSE		10/29/20 02:30 PM	10/29/20 02:30 PM	5740 Espanola STP Natural Gas Line Relocation - TSSA Defect -Relocation of natural gas line that goes from tunnel to inlet building as per TSSA infraction. Includes labour and material to complete the work and all TSSA inspections.

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<a href="#">1793365</a>	0000143788	TANK STORAGE HOT WATER FURNACE ROOM ESP WWTP	5740, Espanola WWTP, Facilities, Building and Grounds	CAP	Refurbish/ Replace/Repair	0		5740 Espanola STP, Hot Water Tank Replacement	CLOSE		7/8/20 02:15 PM	7/8/20 02:15 PM	5740 Espanola STP, Hot Water Tank Replacement -The hot water tank is leaking from the body of the tank and will need to be replaced. This is a direct replacement for what is currently in place.  -Has been replaced and installed by PSL
<a href="#">1835254</a>	0000143114	PUMP SUBMERSIBLE NEXT TO DIGESTER	5740, Espanola WWTP, Facilities, Building and Grounds	CORR	Refurbish/ Replace/Repair	0		5740 Espanola WWTP Supernatant Pump Disconnect Switch Replace	CLOSE		9/10/20 12:23 PM	9/10/20 12:23 PM	work complete - replaced switch, work complete. switch and auxillary contact ordered from Nedco.
<a href="#">1835261</a>			5740, Espanola WWTP, Facilities, Building and Grounds	CORR	Refurbish/ Replace/Repair	0		5740 Espanola WWTP Exterior lighting	COMP		12/21/20 01:31 PM	12/21/20 01:31 PM	17 wall packs and 5 flood - newark -ordered dielectric grease and duct seal compound
<a href="#">1791765</a>	0000143788	TANK STORAGE HOT WATER FURNACE ROOM ESP WWTP	5740, Espanola WWTP, Facilities, Building and Grounds	CAP	Refurbish/ Replace/Repair	0		Hot Water Replacement	CLOSE		9/2/20 09:13 AM	9/2/20 09:13 AM	-Hot Water Tank replacement
<a href="#">1874728</a>	0000143094	TANK PROCESS 01 CLARIFIER	5740, Espanola WWTP, Process, Secondary Treatment, Clarifier 1	CAP	Refurbish/ Replace/Repair	0		5740 Espanola STP Clarifier Concrete Weir Rehabilitation	CLOSE		11/17/20 01:25 PM	11/17/20 01:25 PM	5740 Espanola STP Clarifier Concrete Weir Rehabilitation -Concrete rehabilitation of both clarifer weirs and application of a protective coating to prolong concrete life.

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<a href="#">1587521</a>	0000143094	TANK PROCESS 01 CLARIFIER	5740, Espanola WWTP, Process, Secondary Treatment, Clarifier 1	CAP	Refurbish/ Replace/Repair	0		5740 Espanola STP Clarifier Wier Rehabilitation	CLOSE		11/17/20 01:24 PM	11/17/20 01:24 PM	5740 Espanola STP Clarifier Wier Rehabilitation - Initial cleaning to remove surface contamination (mostly algae) would be completed by OCWA. The liquid in the clarifier would need to be at an elevation about twelve inches below the weir plate. Mobilize and demobilize including travel cost and room/board for the crew. Cleaning of the concrete using high pressure water/ sand blasting techniques to remove the surface of the concrete and provide the clean sandpaper-like surface profile needed to apply repair materials. Remove delaminated concrete and rebuild affected areas using a water born epoxy mortar.

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													<p>Smooth the entire interior surface to be treated with a parge coat of epoxy. This epoxy would also act as the primer for the anti-algae liner.</p> <p>Apply two coats of an anti-algae liner material developed specifically for clarifier weirs. The liner will leave a smooth surface and has additives to discourage algae growth.</p>
<a href="#">1754306</a>	0000143094	TANK PROCESS 01 CLARIFIER	5740, Espanola WWTP, Process, Secondary Treatment, Clarifier 1	PM	Refurbish/ Replace/Repair	1	YEARS	Clarifier #1 Inspection (1y) 5740	CLOSE	6/1/20 12:00 AM	9/2/20 09:30 AM	9/2/20 09:30 AM	
<a href="#">1754292</a>	0000143091	TANK PROCESS 02 CLARIFIER	5740, Espanola WWTP, Process, Secondary Treatment, Clarifier 2	PM	Refurbish/ Replace/Repair	1	YEARS	Clarifier #2 Inspection (1y) 5740	CLOSE	6/1/20 12:00 AM	9/2/20 09:29 AM	9/2/20 09:29 AM	
<a href="#">1917938</a>			5740, Espanola WWTP, Process, Secondary Treatment, RAS Pump 1	CALL	Refurbish/ Replace/Repair	0		RAS Pump #1 Fault	CLOSE		9/20/20 01:15 PM	9/20/20 02:30 PM	-Alarm call for RAS pump #1 Fault. Onsite and it was plugged. Took apart and cleaned it out.
<a href="#">1917022</a>	0000143806	MOTOR AC 02 RAS PUMP ESP WWTP	5740, Espanola WWTP, Process, Secondary Treatment, RAS Pump 2	CALL	Refurbish/ Replace/Repair	0		5740 Espanola STP RAS pump failure call out	CLOSE		9/11/20 01:55 AM	9/11/20 03:20 AM	-Received call @01:55 for RAS pump failure and arrived onsite @02:25 and found that RAS pump #2 had faulted due to high load so the pump was ran in reverse for a couple minutes and put back online with no issues. Primary operator was informed the next morning.

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<a href="#">1917599</a>			Espanola Wastewater Treatment Plant	CAP	Refurbish/ Replace/Repair	0		5740 Espanola STP Stairs install off of aeration tanks	CLOSE		11/30/20 10:24 AM	11/30/20 10:24 AM	5740 Espanola STP Stairs install off of aeration tanks -Install Prefabricated stairs off each Aeration Cell to Clarifiers
<a href="#">1622148</a>			Espanola Wastewater Treatment Plant	CORR	Refurbish/ Replace/Repair	0		5740 Espanola STP ESA deficiency repairs 2019-2020	CLOSE		2/24/20 09:58 AM	2/24/20 09:58 AM	esa deficiencies - ESA reported air duct is too close to 600V hoist rails. set up scaffolding and removed air duct extension... was within 0.25" is now greater than 12" ESA reported bathroom fan tripping starter. removed fan/blower to find it had boken the rubber mounts and shorted the motor. made some calls for pricing on motor and mounts. fan motor - ordered motor from John Wilson electric. ordered anti vibe mounts from acklands Grainger. work complete.
<a href="#">1588672</a>	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	2/1/20 12:00 AM	2/4/20 01:20 PM	2/4/20 01:20 PM	-Ran for an hour. No leaks. Charger and coolant heater good. Fuel tank at 3/4. Operating temps and pressures all good.
<a href="#">1588694</a>	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	2/1/20 12:00 AM	2/4/20 01:18 PM	2/4/20 01:18 PM	-No leaks detected. Fluids good, Fuel tank at 3/4. Operating pressures and temps good. Charger and coolant heater good. Ran for an hour.
<a href="#">1538784</a>	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	1/1/20 12:00 AM	1/6/20 12:37 PM	1/6/20 12:37 PM	-Coolant heater good, Fluid levels good, Fuel tank at 7/8. Ran for an hour. Operating pressures and temperatures good.

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<a href="#">1538806</a>	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	1/1/20 12:00 AM	1/27/20 11:52 AM	1/27/20 11:52 AM	-Charged battery and filled cells with DI water. Topped Antifreeze. Other fluids good. Ran for an hour. Operating temperatures and pressures good. Fuel tank at 7/8.
<a href="#">1626098</a>	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	3/1/20 12:00 AM	3/4/20 11:43 AM	3/4/20 11:43 AM	-Ran for over an hour. Coolant heater and charger good. All fluids good. Fuel tank at 3/4. Operating temps and pressures were good. No leaks found.
<a href="#">1626120</a>	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	3/1/20 12:00 AM	3/4/20 11:46 AM	3/4/20 11:46 AM	-Ran for over an hour. Fuel tank at 7/8. No leaks detected. Fluids all at good levels. Coolant heater and charger functional. Operating temperatures and pressures good.
<a href="#">1877098</a>	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	9/1/20 12:00 AM	9/2/20 08:58 AM	9/2/20 08:58 AM	-Ran for 1hour with no issues. Fluids at good levels. Operating temps and pressures good. Coolant heater and charger good. Fuel at 5/8.
<a href="#">1877120</a>	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	9/1/20 12:00 AM	9/2/20 09:01 AM	9/2/20 09:01 AM	-Fluids all good. Ran for an hour. Operating temps and pressures good. no leaks. Coolant heater and charger good. Fuel @ 3/4.
<a href="#">1965278</a>	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	11/1/20 12:00 AM	11/3/20 03:04 PM	11/3/20 03:04 PM	-Ran for an hour. All fluids good. Charger and coolant heater good. Operating pressures and temps good. Fuel tank at 3/4.
<a href="#">1965300</a>	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	11/1/20 12:00 AM	11/3/20 03:06 PM	11/3/20 03:06 PM	-Ran for an hour. Pressures and temps good. Fuel tank at 2/3. Charger and coolant heater working well. Had to add antifreeze. Oil level good.



## Workorder Summary Report

 Report Start Date: Jan 1, 2020 12:00 AM  
 Report End Date: Dec 31, 2020 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
<a href="#">2002950</a>	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	COMP	12/1/20 12:00 AM	12/3/20 11:27 AM	12/3/20 11:27 AM	-Ran for an hour. Block heater not working according to Kevin Spec. Fuel @ 3/4. Charger working. Operating pressures and temps good.
<a href="#">2002972</a>	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	COMP	12/1/20 12:00 AM	12/3/20 11:25 AM	12/3/20 11:25 AM	-Ran for an hour. Coolant leak detected around block heater. All other fluids good. Fuel at 3/4. Charger and coolant heater good. Operating temps and pressures good.
<a href="#">1838462</a>	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	8/1/20 12:00 AM	9/2/20 08:55 AM	9/2/20 08:55 AM	-Generator was not on site
<a href="#">1838484</a>	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	8/1/20 12:00 AM	8/5/20 11:06 AM	8/5/20 11:06 AM	-Ran for an hour. Coolant heater and charger working when plugged in. Fluids good. Operating temps and pressures good. Fuel tank at 3/4.
<a href="#">1753673</a>	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	6/1/20 12:00 AM	9/2/20 09:12 AM	9/2/20 09:12 AM	
<a href="#">1753695</a>	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	6/1/20 12:00 AM	6/4/20 11:53 AM	6/4/20 11:53 AM	-Coolant level low in reserve tank. All others good. Operating temps and pressures good. Had to boost. Coolant heater working as well as charger once plugged in. Fuel tank at 3/4.
<a href="#">1778107</a>	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	YEARS	Diesel Generator 2006 Portable Inspection/Functional Test (1y) 5740	CLOSE	6/1/20 12:00 AM	9/2/20 09:28 AM	9/2/20 09:28 AM	
<a href="#">1778944</a>	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	YEARS	Diesel Generator OERT Inspection/ Functional Test (1y) 5740	CLOSE	6/1/20 12:00 AM	9/2/20 09:29 AM	9/2/20 09:29 AM	
<a href="#">1920775</a>	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	10/1/20 12:00 AM	10/8/20 12:08 PM	10/8/20 12:08 PM	-Ran for an hour. Fluids all good. Fuel tank at 3/4. Operating pressures and temps good. Charger and coolant heater good.

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 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
<a href="#">1920797</a>	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	10/1/20 12:00 AM	10/8/20 12:11 PM	10/8/20 12:11 PM	-Ran for an hour. No leaks detected. Fluids good. Operating temps and pressures good. Coolant heater and charger good. Fuel tank at 3/4.
<a href="#">1666337</a>	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	4/1/20 12:00 AM	4/2/20 11:07 AM	4/2/20 11:07 AM	-Ran for an hour. All fluids good. Operating pressures and temps good. Charger and coolant heater good. Fuel tank at 7/8.
<a href="#">1666359</a>	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	4/1/20 12:00 AM	4/2/20 11:11 AM	4/2/20 11:11 AM	-Ran for an hour. Coolant heater and charger good. Antifreeze low. Topped. All else good. Pressures and temps good. Fuel tank at 3/4.
<a href="#">1796603</a>	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	7/1/20 12:00 AM	9/2/20 09:14 AM	9/2/20 09:14 AM	-Not on site. Has been done since
<a href="#">1796625</a>	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	7/1/20 12:00 AM	7/8/20 02:14 PM	7/8/20 02:14 PM	-Fluids all good, fuel at 3/4. Operating pressures and temps good.
<a href="#">1711515</a>	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	5/1/20 12:00 AM	5/5/20 11:07 AM	5/5/20 11:07 AM	-All fluid levels good, fuel tank full, coolant heater and charger operational, Operating temps and pressures good. Ran for an hour.
<a href="#">1711543</a>	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	5/1/20 12:00 AM	5/5/20 11:10 AM	5/5/20 11:10 AM	-Ran for an hour, operating pressures and temps good, coolant heater and charger operational, fuel tank at 3/4. Coolant low in reservoir. Oil level good.
<a href="#">1621796</a>			5740, Bois St. Sewage Pumping Station	CORR	Refurbish/ Replace/Repair	0		5740 Espanola STP Bois Street Alarm Panel Update	CLOSE		6/4/20 12:13 PM	6/4/20 12:13 PM	5740 Espanola STP Bois Street Alarm Panel Update -Material and Labour to update the current alarm system from 2G to 4G cellular. This is required as the 2G network will be going offline soon.

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 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
<a href="#">1621806</a>			5740, Industrial Park Sewage Pumping Station	CORR	Refurbish/ Replace/Repair	0		5740 Espanola STP, Industrial Park Alarm Panel Repair	CLOSE		6/4/20 12:14 PM	6/4/20 12:14 PM	5740 Espanola STP, Industrial Park Alarm Panel Repair -Labour and material to replace a faulty panel. Charging circuit is not working causing low battery faults all of the time.
<a href="#">1621801</a>			5740, Merrit Sewage Pumping Station	CORR	Refurbish/ Replace/Repair	0		5740 Espanola STP Merritt Street Alarm Panel Update	CLOSE		6/4/20 12:14 PM	6/4/20 12:14 PM	5740 Espanola STP Merritt Street Alarm Panel Update -Labour and material to upgrade from 2G to 4G cellular system. This is required as the 2G network is going offline soon.
<a href="#">1748865</a>			5740, Merrit Sewage Pumping Station	CORR	Refurbish/ Replace/Repair	0		5740 Espanola SLS Merrit starter repairs.	CLOSE		6/23/20 12:48 PM	6/23/20 12:48 PM	details - called to see why #2 started every cycle. found #2 starting on floats just before milltronics setpoint so both pumps ran when only #1 called.... disabled float circuit until floats can be adjusted. found start circuit from milltronics bypassing selector switches on both drives, so when switched to off drives would start with milltronics, repaired wiring. drives failure alarms were not tied into circuits.... repaired wiring and labeled. drawing showed incorrect wiring, looks like its a general drawing and not specific to the install, fixed areason drawing I found incorrect leave work order open -work order to remain open until floats are adjusted in well. completed work order - work complete. operators will adjust floats under O/ M work

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<a href="#">1708479</a>	0000227593	DRIVE VFD PUMP 01 MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	CORR	Refurbish/ Replace/Repair	0		5740 Merrit SLS pump cycling issue	CLOSE		11/17/20 01:24 PM	11/17/20 01:24 PM	-  Operator noticed some abnormal trends on pump flows so operator went onsite and found that Pump #2 will start up at 2.2 and stop at 1.2 with relay 2 indicator light on but when Pump #1 starts up at 2.2 with relay 1 light/indicator on, Pump #2 also starts up but the relay light/indicator for Pump #2 is not on and one pump stops at 1.4 and the other stops at 1.2. When I put each pump in hand manually there was good flow so they both pump flow as should.
<a href="#">1708502</a>	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	CORR	Refurbish/ Replace/Repair	0		5740 Espanola Meritt Generator underspeed repair.	CLOSE		5/25/20 11:11 AM	5/25/20 11:11 AM	ups purchase - a UPS was purchased from Dixon and installed to keep the generator controller from dropping out. work complete.

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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
<a href="#">1622142</a>	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	CORR	Refurbish/ Replace/Repair	0		5740 Espanola SLS Merrit Generator repair.	CLOSE		2/24/20 11:29 AM	2/24/20 11:29 AM	troubleshooting - Jan 21 2020 called for generator underspeed found loose connection in generator control panel. tested generator several times after repair. will continue to monitor incase terminals become loose again. repairs - Feb 12 2020 removed, cleaned, inspected speed sensor... ok moved wiring directly to controller instead of through terminal block. fixed bad connection at fuel pump. found fan guard rubbing on belt, purchased belt from NAPA, installed new belt and bent cover out of the way. tested generator several times and no fault... system ok. complete - Feb 24 2020 followed up with operator and has had no faults since repairs made. work complete.
<a href="#">1584977</a>			5740, Merrit Sewage Pumping Station, Facility	CALL	Refurbish/ Replace/Repair	0		Alarm Call for Generator Fault, Merrit Sewage Pumping Station	CLOSE		1/10/20 03:15 AM	1/10/20 06:30 AM	
<a href="#">1588739</a>	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	2/1/20 12:00 AM	2/4/20 01:31 PM	2/4/20 01:31 PM	-Ran for an hour. Fluid levels good. Coolant heater and trickle charger working. Fuel tank at 20". Operating pressures and temps good. No issues.
<a href="#">1538856</a>	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	1/1/20 12:00 AM	1/8/20 01:37 PM	1/8/20 01:37 PM	-Fuel tank at 20 inches. Fluids all good. Ran generator for an hour. Operating temps and pressures good.

**Workorder Summary Report**

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 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
<a href="#">1920847</a>	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	10/1/20 12:00 AM	10/15/20 02:38 PM	10/15/20 02:38 PM	-Ran for an hour. All fluids, operating temps and pressures good. Coolant heater and charger working. No leaks. Fuel tank at 19".
<a href="#">1965346</a>	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	11/1/20 12:00 AM	11/17/20 01:09 PM	11/17/20 01:09 PM	-No leaks. Fluids all good. Operating pressures and temps good. Coolant heater and charger working. Fuel tank at 18".
<a href="#">2003016</a>	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	COMP	12/1/20 12:00 AM	12/3/20 11:40 AM	12/3/20 11:40 AM	-Ran for an hour. No issues. Coolant heater and charger working. All fluids good. Fuel tank at 18". Operating temps and pressure good.
<a href="#">1838528</a>	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	8/1/20 12:00 AM	9/2/20 08:52 AM	9/2/20 08:52 AM	-Was completed with no issues
<a href="#">1877164</a>	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	9/1/20 12:00 AM	9/2/20 09:27 AM	9/2/20 09:27 AM	-Fluids good, coolant heater and charger good, fuel tank at 19". Ran for an hour. No leaks detected. Shrouds all clear
<a href="#">1626171</a>	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	3/1/20 12:00 AM	3/25/20 03:57 PM	3/25/20 03:57 PM	-Ran for over an hour. Recent servicing by Vals Equipment. All fluids good. Operating pressures and temps good. Coolant heater good. Fuel tank at 19".
<a href="#">1666408</a>	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	4/1/20 12:00 AM	4/2/20 11:04 AM	4/2/20 11:04 AM	-ran for an hour. No leaks. Pressures and temperatures good. Coolant heater good. Fuel tank at 19".
<a href="#">1796671</a>	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	7/1/20 12:00 AM	7/8/20 02:09 PM	7/8/20 02:09 PM	-Ran for 1 1/2 hours.Fluids good. Operating pressures and temps good. Coolant heater and charger good. Fuel tank at 19".

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<a href="#">1711587</a>	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	5/1/20 12:00 AM	5/5/20 11:16 AM	5/5/20 11:16 AM	-Ran for an hour. Fluids all good, charger and coolant heater working. Operating temps and pressures good. Fuel tank at 18.5 ". Tightened fan/ alternator belt.
<a href="#">1753746</a>	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	6/1/20 12:00 AM	6/23/20 03:11 PM	6/23/20 03:11 PM	-Inspected all fluids, ran for an hour, operating pressures and temps good. Fuel Tank at 18.5". Coolant heater and charger good.
<a href="#">1778868</a>	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	6/1/20 12:00 AM	9/2/20 09:29 AM	9/2/20 09:29 AM	
<a href="#">1709300</a>	0000143835	METER LEVEL MERRIT SEWAGE PUMPING STATION	5740, Merrit Sewage Pumping Station, Process	CORR	Refurbish/ Replace/Repair	0		5740 Merrit Multiranger	CLOSE		4/24/20 01:31 PM	5/11/20 12:06 PM	duplicate... complete -made duplicate work order by mistake... no charges on work order.
<a href="#">1588830</a>	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Refurbish/ Replace/Repair	1	YEARS	UV Reactor Inspection (1y) 5740	CLOSE	2/1/20 12:00 AM	2/4/20 01:28 PM	2/4/20 01:28 PM	-Inspected all lights. All working. Intensity sensor good. PH probe good. Wipers lubed and working. Cleaned all parts and channels and weirs. No current issues.

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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
<a href="#">1623666</a>	0000143004	METER FLOW FT-302 RAW SEWAGE BYPASS	5740, Espanola WWTP, Process, Process Control and Monitoring, Solids Handling	CALL	Refurbish/ Replace/Repair	0		5740 Espanola STP Bypass flow call out alarm	CLOSE		2/16/20 07:50 AM	2/16/20 09:15 AM	-Operator received a call for Espanola STP Bypass flow alarm and operator went on Wonderware to view trends but it was not trending data so the operator responded. Once onsite operator was on top of the Bypass flow meter and there were no indications that a Bypass had occurred and I even received a couple calls while standing there. There was fresh snow in the bypass which was setting off flow sensor and operator noticed that the drum that houses the flow meter had moved and flow meter was most likely hitting the drum and giving a false flow. Snow was removed and drum moved to a better position and the Bypass flow alarm stopped calling out.
<a href="#">1794681</a>			5740, Espanola WWTP	PM	Calibration	1	YEARS	Flow Meter Calibration (1y) 5740 Espanola WWTP Aug 8	CLOSE	8/9/20 12:00 AM	9/2/20 11:35 AM	9/2/20 11:35 AM	
<a href="#">1749084</a>			5740, Espanola WWTP, Process, Solids Handling	CAP	Administrative	0		5740 Espanola STP, Biosolids Engineering Design	CLOSE		5/6/20 02:57 PM	5/6/20 02:57 PM	5740 Espanola STP, Biosolids Engineering Design -Final design of geotube project.