

Espanola Water Pollution Control Plant

Annual Operating Report

ECA 1945-BJ6Q3M
Issued January 20, 2020

January 1, 2019 – December 31, 2019

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 2019 reporting period.

The total effluent discharge from the Sewage Treatment Plant for the year was 1,134,627m³.

The total raw sewage flow into the Sewage Treatment Plant for the year was calculated to be 1,134,627m³.

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)	77	105.04	256
TSS (mg/L)	Weekly	24hr Composite – External Analysis (Lab)	27	121.76	383
TP (mg/L)	Weekly	24hr Composite – External Analysis (Lab)	0.39	1.815	3.7
TKN (mg/L)	Weekly	24hr Composite – External Analysis (Lab)	10.6	18.31	45.2
Alkalinity (mg/L as CaCO ₃)	Weekly	24hr Composite – External Analysis (Lab)	77	105.04	256
Flow (m ³ /d)	Daily	Flow meter	2427	3108.6	4589

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	3.2	9.3	6.2	18.1	0.1	0.292	0.74	2.16	6.98	7.33
February	4	11.7	4.67	13.7	0.08	0.234	0.633	1.86	7.15	7.47
March	4.5	13.1	3.25	9.43	0.108	0.313	0.8	2.32	6.92	7.29
April	2.75	8.6	4	12.4	0.063	0.196	0.8	2.49	7.03	7.19
May	2	6.6	4.8	15.9	0.078	0.258	0.58	1.92	7.32	7.45
June	3.75	12.3	8	26.2	0.085	0.278	1.15	3.76	7.28	7.36
July	2.25	7.2	4.75	15.2	0.053	0.169	0.775	2.48	7.15	7.33
August	2.2	7	3.4	10.8	0.056	0.179	1.8	5.74	7.42	7.49
September	2.75	7.8	10.75	30.5	0.083	0.235	3.9	11.1	7.37	7.55
October	2	6.1	4.8	14.5	0.048	0.146	0.76	2.31	7.33	8.70
November	2	6.6	3.5	11.5	0.055	0.181	0.45	1.48	7.60	7.82
December	2	6.6	5	16.5	0.080	0.263	0.167	0.549	7.56	7.97
Max	4.5	13.1	10.75	30.5	0.108	0.313	3.9	11.1		
Average	2.82	8.5	5.24	16.2	0.073	0.229	1.066	3.18		
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

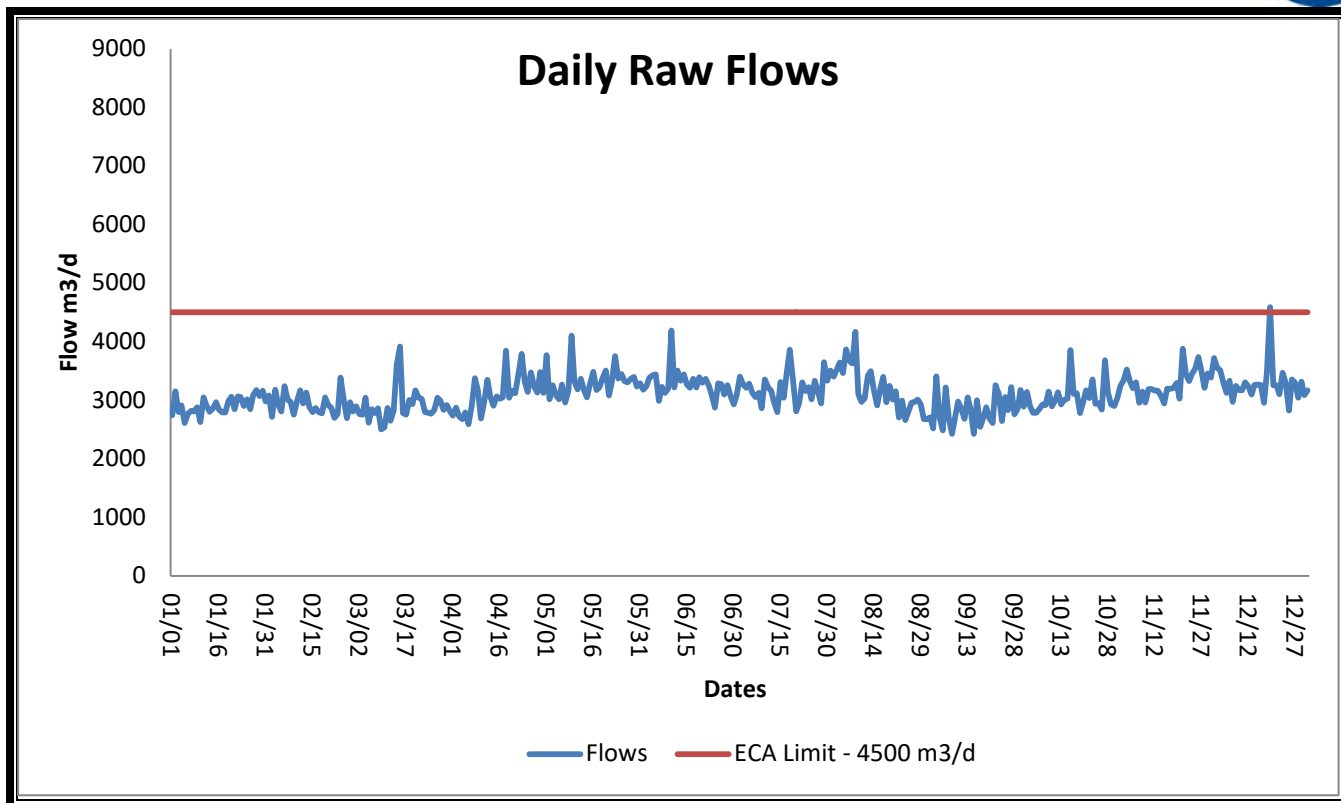


Additional Effluent Monitoring Samples								
Month	Nitrate		Alkalinity		*E.Coli		Temperature	
	Max	Avg	Max	Avg	Max	Avg	Max	Avg
January	10.6	9.876	23	18	16	6.207	8.7	7.186
February	10	9.617	28	20.33	38	17.622	6.4	6.225
March	9.59	7.84	34	26.25	38	5.905	7.9	6.98
April	9.15	8.407	30	25.75	24	3.722	9	7.6
May	7.76	7.27	34	29.40	398	12.288	10.5	9.24
June	8.21	6.898	44	33.50	20800	31.61	12.5	12.05
July	9.35	7.71	33	29.75	8	5.264	14.9	12.668
August	9.68	8.714	51	30.20	220	48.101	16.3	15.6
September	11.5	7.02	78	4850	62	27.494	16.2	15.85
October	10.8	9.628	42	30.40	30	8.769	15.1	14.075
November	11	9.495	27	21.25	28	7.969	12	10.425
December	10.1	9.67	23	19.67	30	21.186	8.2	7.9

* 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				
Month	Total Volume (m ³)	Avg Daily Flow (m ³ /d)	Peak Daily Flow (m ³ /d)	Discharge Volumes (m ³)
January	90,394	2,915.94	3,176	90,394
February	82,214	2,936.21	3,385	82,214
March	89,965	2,902.1	3,918	89,965
April	93,283	3,109.43	3,847	93,283
May	102,671	3,311.97	4,102	102,671
June	98,163	3,272.1	4,188	98,163
July	99,296	3,203.1	3,865	99,296
August	98,832	3,188.13	4,169	98,832
September	85,033	2,834.43	3,407	85,033
October	94,144	3,036.9	3,857	94,144
November	98,582	3,286.07	3,881	98,582
December	102,050	3,291.94	4,589	102,050
Total	1,134,627			1,134,627
Average		3,108.57		
Maximum			4,589	



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
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%
2016	1,171,385	3,200.51	8,572	71%

The average flows measured into the sewage treatment plant did not exceed the specified average daily flow of 4500 m³/day in 2019.

The average daily flow for 2019 is 3,108.57/d which is approximately 69% of the rated capacity therefore, no assessment is required. The highest recorded peak flow occurred in December (4,589m³/d) and was approximately 102% of the average rated capacity, however the peak flow rate specified in the ECA is 12,300 m³/d. The highest recorded flow was 37% of the peak flow rating. The 2019 sewage flows are slightly lower than 2018 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 considerably lower than previous years.



The total raw sewage flow into the Sewage Treatment Plant for the year was calculated to be 1,134,672m³.

The total effluent discharge from the Sewage Treatment Plant for the year was 1,134,672m³. 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 2019 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 2019 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.

SECTION 6: Maintenance

Plant maintenance is monitored using a Work Management System (WMS). Effluent monitoring equipment was calibrated as required in 2019. The flow meters were verified on August 8, 2019, all flow meters passed except for the sludge loadout meter due to there being too much solids in the water. A 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.

Work Order	Completion Date	Comment
1140049	1-Apr-19	Installed new alarm dialer at Winkles pumping station
1176101	1-Apr-19	Installed new supernate pump
1178050	11-Dec-19	Replaced faulty generator fuel pump
1342526	23-Sep-19	Replaced defective UV sensor and bulb. Ordered spare UV parts for future repairs
1378502	17-Oct-19	Ordered new inserts for three RAS pumps



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)	280	240	280	640	680	600	360	600	40	280	520	80	4,600

Lab Results for Sludge Hauled

Parameter	2019 Average Concentration	2018 Average Concentration	2017 Average Concentration	2016 Concentration	2015 Concentration
BOD ₅	3,332.5	1,307.5	2,155.5		
Total Solids	16,695.8	16,675	14,858.1	15,862.5	22800
Total Phosphorus	504.17	435	475.7	525	590
Total Ammonia				5.8	86.1
TKN	1,130.75	1,031.5	2,007.6		
Nitrite				<0.2	1.9
Nitrate				3.4	4.1
Arsenic	0.1	0.1	0.085	0.1	<0.1
Cadmium	0.025	0.011	0.052	0.008	0.20
Cobalt	0.062	0.073	1.56	0.071	0.07
Chromium	0.358	0.333	0.255	0.27	0.32
Copper	9.896	9.8	16.2	9	11
Mercury	0.012	0.01	5.42	0.009	0.038
Potassium	95.17	94	74.7	106	110
Molybdenum	0.239	0.128	40.96	0.12	0.07
Nickel	0.551	0.628	0.629	0.64	0.72
Lead	0.509	0.325	0.32	0.31	0.5
Selenium	0.1	0.1	0.1	<0.11	<0.1
Zinc	7.317	7	6.03	5.7	6.8
Silver	0.036	0.3	0.04	0.095	
Aluminum	815	822.5	803.7	830	
Antimony	0.1	0.1	0.11	<0.11	
Bismuth	0.804	0.5	0.284	0.275	
Boron	0.27	0.3	0.239	0.27	
Manganese	24.15	60	50	58	
Tin		0.9	0.32	0.39	
Titanium	3.75	2.68	4.02	3.9	
Vanadium	0.1805	0.218	0.22	0.19	



A total volume of 4,600m³ was removed from the Espanola WPCP in 2019 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 2020.

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 2019 reporting year

SECTION 9: Additional Information

In 2019, no work was started or completed for the Proposed Works included in the ECA. It is expected that work will begin in 2020.



Appendix A

Plant Maintenance

Workorder Summary Report

 Report Start Date: Jan 1, 2019 12:00 AM
 Report End Date: Dec 31, 2019 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
1105137			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	2/1/19 12:00 AM	4/17/19 05:29 PM	4/17/19 05:29 PM	-closing no report done
1055316			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	1/1/19 12:00 AM	4/17/19 05:28 PM	4/17/19 05:28 PM	
1140678			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	3/1/19 12:00 AM	4/17/19 05:30 PM	4/17/19 05:30 PM	-closing. not done
1220898			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	5/1/19 12:00 AM	6/10/19 01:48 PM	6/10/19 01:48 PM	
1140079			5740, Espanola WWTP	PM	Health and Safety	1	YEARS	Fire Protection System Inspection (1y) 5740	CLOSE	2/27/19 12:00 AM	4/22/19 06:08 PM	4/22/19 06:08 PM	-SPI was in in February to inspect and replace any fire extinguishers
1178590			5740, Espanola WWTP	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	4/1/19 12:00 AM	5/2/19 11:30 AM	5/2/19 11:30 AM	-closing.
1203773			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	4/1/19 12:00 AM	5/1/19 08:44 PM	5/1/19 08:44 PM	-All data entered and verified
1363756			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	8/1/19 12:00 AM	9/18/19 12:54 PM	9/18/19 12:54 PM	-All data entered and verified upon review.
1283616			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	6/1/19 12:00 AM	7/9/19 11:22 AM	7/9/19 11:22 AM	-All data entered and verified upon review
1324761			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	7/1/19 12:00 AM	8/1/19 08:47 AM	8/1/19 08:47 AM	-All data entered and verified upon review
1403737			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	9/1/19 12:00 AM	10/2/19 01:41 PM	10/2/19 01:41 PM	-All data entered and verified upon review
1243851			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	5/1/19 12:00 AM	6/4/19 10:33 AM	6/4/19 10:33 AM	-All data entered and verified
1163469			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	3/1/19 12:00 AM	4/1/19 12:11 PM	4/1/19 12:11 PM	-All available data entered and verified upon review.
1522389			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	COMP	12/1/19 12:00 AM	12/3/19 01:34 PM	12/3/19 01:34 PM	-All data entered and verified upon review.

Workorder Summary Report

 Report Start Date: Jan 1, 2019 12:00 AM
 Report End Date: Dec 31, 2019 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
1057540			5740, Espanola WWTP	OPER	Compliance	1	YEARS	Non-Routine Sampling (1y) 5740	CLOSE	1/1/19 12:00 AM	3/29/19 11:36 AM	3/29/19 11:36 AM	-Took monthly digester metals sample on 03/28/2019.
1086902			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	1/1/19 12:00 AM	3/29/19 11:38 AM	3/29/19 11:38 AM	-All available data entered and verified.
1126650			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	2/1/19 12:00 AM	3/29/19 11:40 AM	3/29/19 11:40 AM	-All available data entered and verified.
1140049	0000143841	PANEL ALARM/ DIALER WINKEL SEWAGE PUMPING STATION	5740, Winkel Sewage Pumping Station, Process	CORR	Compliance	0		5740 Espanola Winkels SPS Alarm Repair	CLOSE		4/1/19 12:08 PM	4/1/19 12:08 PM	5740 Espanola Winkels SPS Alarm Repair -Replacement of obsolete alarm dialer at Winkels SPS. Existing unit does not communicate any more. -Unit has been replaced and is 4g cellular now.
1447335			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	10/1/19 12:00 AM	11/4/19 12:41 PM	11/4/19 12:41 PM	-All data entered and verified upon review
1485726			5740, Espanola WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5740	CLOSE	11/1/19 12:00 AM	11/6/19 02:26 PM	11/6/19 02:26 PM	-All data entered and verified upon review
1105096			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	2/1/19 12:00 AM	4/2/19 08:39 AM	4/2/19 08:39 AM	-All screens and shrouds are clear and free or obstructions. Checked clarifier fluid levels. Good. No noises or abnormalities were detected during plant check.
1465978			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	COMP	11/1/19 12:00 AM	12/3/19 01:53 PM	12/3/19 01:53 PM	-Freed up and cleaned/lubricated swivel pipe for sludge haul trucks.

Workorder Summary Report

 Report Start Date: Jan 1, 2019 12:00 AM
 Report End Date: Dec 31, 2019 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
1089677	0000294009	5740 Espanola Confined Space Trailer	5740, Espanola WWTP	OPER	Inspection	3	MONTHS	5740 Espanola Confined Space Trailer Inspection (3m)	CLOSE	1/1/19 12:00 AM	3/25/19 03:15 PM	3/25/19 03:15 PM	inspect/organize confined space trailer - March 18-19 2019 cleaned/inspected confined space trailer. delivered/picked up products at soucie salo for inspection/calibration. printed off paperwork and labeled drawers and filed paperwork in appropriate locations.
1423058			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	COMP	10/1/19 12:00 AM	12/3/19 01:56 PM	12/3/19 01:56 PM	-Checked and greased all applicable items in the digester room. (valves, pumps etc.)
1137509	0000258521	VALVE BACKFLOW FERRIC ROOM ESPANOLA WWTP	5740, Espanola WWTP	PM	Inspection	0		5740 Espanola Annual Backflow testing	CLOSE		2/4/19 10:51 AM	2/4/19 10:51 AM	5740 Espanola Annual Backflow testing -Completed annual testing. Filed report
1379553			5740, Industrial Park Sewage Pumping Station, Facility	CALL	Inspection	0		Alarm call for low battery, 5740, Industrial Park Sewage Pumping Station,	CLOSE		8/18/19 12:35 PM	8/18/19 12:35 PM	-Alarm call for low battery at 09:08. Onsite at 10:00 and inspected battery connections etc. Battery was replaced and panel inspected by service call by True Steel on August 15, 2019. Went to Espo WTP and inspected clarifier one drive gear which has been slipping out of position as well.
1140637			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	3/1/19 12:00 AM	4/2/19 08:42 AM	4/2/19 08:42 AM	-Checked fluid levels on blowers. All good. All screens and shrouds clear. No noises or abnormalities detected during plant check
1140674			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	3/1/19 12:00 AM	4/16/19 05:32 PM	4/16/19 05:32 PM	-no available alarms to test closing

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 Report Start Date: Jan 1, 2019 12:00 AM
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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
1055272			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	1/1/19 12:00 AM	4/2/19 08:35 AM	4/2/19 08:35 AM	-Checked sump pump in digester room. Well remains clean. Pump works well. Pump does not work in auto with float level. Manual it does. Electrician is aware.
1055312			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	1/1/19 12:00 AM	4/16/19 05:30 PM	4/16/19 05:30 PM	-no available alarms to test closing
1144760			5740, Espanola WWTP	PM	Inspection	1	YEARS	Electrical Equipment Inspection/Service (1y) 5740 Espanola WWTP	COMP	3/1/19 12:00 AM	12/3/19 01:58 PM	12/3/19 01:58 PM	-ESA on site and completed
1501674			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	COMP	12/1/19 12:00 AM	12/3/19 01:48 PM	12/3/19 01:48 PM	-Checked and added fluid to clarifier 1 drive. Added antifreeze to clarifier 1 and 2 drives.
1207087	0000294009	5740 Espanola Confined Space Trailer	5740, Espanola WWTP	OPER	Inspection	3	MONTHS	5740 Espanola Confined Space Trailer Inspection (3m)	CLOSE	4/1/19 12:00 AM	4/23/19 09:35 AM	4/23/19 09:35 AM	inspection/cleaning - April 17 2019 inspected/cleaned confined space trailer.
1220857			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	5/1/19 12:00 AM	5/2/19 11:36 AM	5/2/19 11:36 AM	-No abnormal noises or odors present through out plant. Entire inlet room equipment was greased and lubed. Automatic Pulsarlube lubricators were repacked and reset on bar screen. All ventilation screen and shrouds are clear of any debris.
1220894			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	5/1/19 12:00 AM	6/6/19 12:25 PM	6/6/19 12:25 PM	
1342895			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	8/1/19 12:00 AM	8/15/19 01:39 PM	8/15/19 01:39 PM	-Took apart the Pulsar auto lubricators on the bar screen bearings. Cleaned and inspected. Repacked the lube packs and reprogrammed.
1536967			5740, Merrit Sewage Pumping Station	CALL	Inspection	0		General alarm.	COMP		12/28/19 01:30 PM	12/28/19 03:00 PM	-Generator was in alarm. Sd underspeed. Reset alarm. Generator now in ready state.

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1261394	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	6/1/19 12:00 AM	6/4/19 10:44 AM	6/4/19 10:44 AM	-Inspected and cleaned all parts. Refilled lube for wipers. Cleaned channels
1303189	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	7/1/19 12:00 AM	7/9/19 11:42 AM	7/9/19 11:42 AM	-All parts inspected and cleaned. Wipers working well. Channels cleaned. All bulbs working.
1382207	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	9/1/19 12:00 AM	9/9/19 03:23 PM	9/9/19 03:23 PM	-Check all parts. Checked and filled wiper lube. UV intensity sensor reading low. Will look into. Cleaned all parts and channels. One bulb out and waiting for electrician to replace socket.
1343868	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	8/1/19 12:00 AM	8/2/19 11:05 AM	8/2/19 11:05 AM	-Removed all three modules and inspected. All good except one UV LIGHT socket on bank one. Replacement sockets have been ordered by electrician. Sleeves are clean. Lubrication in wiper good and operational. Cleaned UV channel and weir.
1179628	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	4/1/19 12:00 AM	4/1/19 12:20 PM	4/1/19 12:20 PM	-Cleaned weirs and channels. Cleaned bulbs and all other parts. No issues
1106062	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	2/1/19 12:00 AM	3/9/19 10:04 AM	3/9/19 10:04 AM	-Inspected weekly and cleaned when necessary. No issues for February
1381293			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	COMP	9/1/19 12:00 AM	12/3/19 01:51 PM	12/3/19 01:51 PM	-Cleaned and lubricated both supernatant valves.

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1301902			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	7/1/19 12:00 AM	8/12/19 11:17 AM	8/12/19 11:17 AM	-No vibrations or noises from anywhere in plant. All ventilation is clear and unobstructed. Inspected and Greased all RAS pumps and valves in the RAS room.
1178546			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	4/1/19 12:00 AM	4/2/19 09:28 AM	4/2/19 09:28 AM	-During plant check no odors, vibrations, leaks or heat was detected anywhere. All shrouds were clear and unobstructed. Fans were in good order. Inspected digester sump pump. Pit was clean. Pump does not work in auto with hi level float.. Pumps works well otherwise
1178586			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	4/1/19 12:00 AM	4/16/19 05:34 PM	4/16/19 05:34 PM	-no available alarms to test closing
1260204			5740, Espanola WWTP	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	6/1/19 12:00 AM	8/1/19 10:54 AM	8/1/19 10:54 AM	-Checked all ventilation. All clear. Checked available lubrication levels and greased pumps in Digester room. No abnormal noises or vibrations noticed
1221888	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	5/1/19 12:00 AM	5/2/19 11:23 AM	5/2/19 11:23 AM	-Inspected lamps. Cleaned sleeves and channels - weirs. Checked wipers and lube. All good.
1141595	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	3/1/19 12:00 AM	3/9/19 10:02 AM	3/9/19 10:02 AM	-Inspected and cleaned UV lights, tubes and channels .No issues
1502644	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	COMP	12/1/19 12:00 AM	12/3/19 01:40 PM	12/3/19 01:40 PM	-Replaced one bulb on bank #3. Inspected bulbs, sleeves and wipers. Topped wiper lube. Cleaned pH probe. Cleaned channel and weirs. UV sensor working well.
1056734	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	1/1/19 12:00 AM	1/17/19 02:48 PM	1/17/19 02:48 PM	-Inspected all bulbs. Cleaned all parts including channel. No issues

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1424126	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	10/1/19 12:00 AM	10/2/19 01:50 PM	10/2/19 01:50 PM	-All parts inspected and cleaned. All lamps working. UV intensity sensor at 100%. Lubed wipers. Cleaned channels.
1466909	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Inspection	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	11/1/19 12:00 AM	11/6/19 02:24 PM	11/6/19 02:24 PM	-Cleaned all lights, wipers, sleeves. Refilled wiper lubricant. Everything in good working order.
1105133			5740, Espanola WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	2/1/19 12:00 AM	4/16/19 05:31 PM	4/16/19 05:31 PM	-no available alarms to test. closing
1289619	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	6/1/19 12:00 AM	7/9/19 11:28 AM	7/9/19 11:28 AM	-All weekly checks and kms submitted
1329164	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	7/1/19 12:00 AM	8/1/19 08:50 AM	8/1/19 08:50 AM	-Weekly checklists, kilometers and gas receipts submitted
1409659	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	9/1/19 12:00 AM	10/2/19 01:44 PM	10/2/19 01:44 PM	-All weekly checks and kms submitted
1368256	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	8/1/19 12:00 AM	9/9/19 03:25 PM	9/9/19 03:25 PM	-All weekly checks handed in with Kms.
1208104	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	4/1/19 12:00 AM	5/1/19 08:40 PM	5/1/19 08:40 PM	-weekly checks and mileage submitted

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1247834	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	5/1/19 12:00 AM	6/4/19 10:35 AM	6/4/19 10:35 AM	-Weekly checks and kms submitted
1166665	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	3/1/19 12:00 AM	3/29/19 11:42 AM	3/29/19 11:42 AM	-Weekly checks completed and handed in with kms.
1526176	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	12/1/19 12:00 AM	1/3/20 01:26 PM	1/3/20 01:26 PM	-Weekly checks and kilometers submitted
1090496	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	1/1/19 12:00 AM	3/9/19 10:26 AM	3/9/19 10:26 AM	-All weekly inspections done and mileage submitted
1453124	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	10/1/19 12:00 AM	11/6/19 02:28 PM	11/6/19 02:28 PM	-All mileage and weekly checks submitted
1489949	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	11/1/19 12:00 AM	12/3/19 01:43 PM	12/3/19 01:43 PM	-Weekly checks and kms submitted.
1129410	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	2/1/19 12:00 AM	3/9/19 10:11 AM	3/9/19 10:11 AM	-weekly inspections completed and submitted with mileage
1180296	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	CLOSE	4/1/19 12:00 AM	4/2/19 09:37 AM	4/2/19 09:37 AM	-Checked all filters, checked belts, greased bearings, checked oil levels. checked valves, screens and shrouds all clear.

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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
1180307	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	CLOSE	4/1/19 12:00 AM	4/2/19 09:33 AM	4/2/19 09:33 AM	-Inspected all parts. Lubricated pillow block bearings. Checked operation of all valves. No issues
1180328	0000227607	DEHUMIDIFIER TUNNEL	5740, Espanola WWTP, Facilities, HVAC, Air Handling Units and Dehumidifiers	PM	Refurbish/ Replace/Repair	1	YEARS	Dehumidifier Inspection (1y) 5740	CLOSE	4/1/19 12:00 AM	6/10/19 01:47 PM	6/10/19 01:47 PM	-This asset is not in the tunnel or RAS room sections. Not located.
1180344	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	4/1/19 12:00 AM	6/10/19 01:45 PM	6/10/19 01:45 PM	-This asset is operating in the tunnel area. Fully operational with no issues.
1501199			5740, Espanola WWTP, Facilities, Power Distribution, Plant Systems	CALL	Refurbish/ Replace/Repair	0		Power Bumps, 5740, Espanola WWTP, Facilities, Power Distribution, Plant Systems	COMP		11/27/19 05:30 PM	11/28/19 01:00 AM	-On site multiple times over the course of eight hours to reset equipment because of power outages and bumps. Also had to go to Merritt St SPS and Independent SPS because of alarms.
1261349	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP, Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	6/1/19 12:00 AM	6/4/19 10:47 AM	6/4/19 10:47 AM	-Ran for an hour. coolant heater good. Fluids all good. Fuel tanks full. Ran well with no issues.
1288075	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP, Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	YEARS	Diesel Generator Inspection/ Functional Test (1y) 5740	CLOSE	6/1/19 12:00 AM	7/9/19 11:26 AM	7/9/19 11:26 AM	-Was completed for June 2019. No issues
1303140	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP, Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	7/1/19 12:00 AM	7/9/19 11:34 AM	7/9/19 11:34 AM	-Ran for an hour. Shrouds and ventilation good. Fluid levels good. Coolant heater working well. Temperatures and pressures good. Fuel tanks at full and 7/8.
1382162	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP, Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	9/1/19 12:00 AM	9/9/19 03:19 PM	9/9/19 03:19 PM	-Ran for 1 1/2 hours. All fluid levels good. Operating pressures and temps good. Output good. Coolant heater good. Fuel tanks at full and 7/8.

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1343823	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	8/1/19 12:00 AM	8/1/19 11:04 AM	8/1/19 11:04 AM	-Ran for an hour. Fluids at good levels. Coolant heater working well. Operating Temperatures and pressures good. Fuel tanks at full and 7/8. Shrouds all good.
1466862	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	11/1/19 12:00 AM	11/14/19 02:53 PM	11/14/19 02:53 PM	-No leaks, fluids at good levels, operating temps and pressures good. Coolant heater good. Ran for 1 1/2hours. Fuel tanks at full and 3/4.
1106014	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	2/1/19 12:00 AM	3/9/19 10:13 AM	3/9/19 10:13 AM	-Fuel tanks at 2/3 and 1/2 respectively. Test was no done for February 2019
1179576	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	4/1/19 12:00 AM	4/1/19 12:17 PM	4/1/19 12:17 PM	-All fluids good. Operation pressures and temperatures good. Coolant heater functional. Fuel tanks at 1/2 and 1/3
1221840	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	5/1/19 12:00 AM	5/2/19 11:19 AM	5/2/19 11:19 AM	-No leaks detected. Coolant heater good. Fluid levels good. Fuel tanks at 1/2 and 1/3. Refilling scheduled. Operating pressures and temps good. Ran for an hour.
1141538	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	3/1/19 12:00 AM	3/9/19 10:35 AM	3/9/19 10:35 AM	March 2019 generator test -Generator ran for an hour. All fluid levels good. Runtime pressures and temps good. coolant heater operational. Tanks at 2/3 and 1/2.
1502599	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	COMP	12/1/19 12:00 AM	12/5/19 12:58 PM	12/5/19 12:58 PM	-Ran for an hour. All fluids good. Coolant heater good. Fuel tanks at 7/8 and 7/8. Operating temperatures and pressures good.

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1056667	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	1/1/19 12:00 AM	1/17/19 02:40 PM	1/17/19 02:40 PM	-Ran generator for an hour. No leaks. Coolant heater working well. Fluid levels good. Pressures and temperatures during runtime all good. Fuel tank at 22 cms.
1424071	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	10/1/19 12:00 AM	10/3/19 01:20 PM	10/3/19 01:20 PM	-Ran for over an hour. Fluids all good. Operating temperatures and pressures good. Coolant heater good. No leaks detected. Fuel tanks at full and 7/8.
1180318	0000143081	CONVEYOR SCREW GRIT	5740, Espanola WWTP, Process, Headworks	PM	Refurbish/ Replace/Repair	1	YEARS	Conveyor Inspection (1y) 5740	CLOSE	4/1/19 12:00 AM	6/10/19 12:35 PM	6/10/19 12:35 PM	-Inspected during runtime with no issues. Drive motor and alignment good. Screw and tray both in good working order. Oil condition and level good. Bearing all inspected and greased.
1218538	0000143825	METER FLOW 01 SLUDGE LOADING ESP WWTP	5740, Espanola WWTP, Process, Process Control and Monitoring, Solids Handling	CORR	Refurbish/ Replace/Repair	0		5740 ESP WWTP sludge flowmeter troubleshooting	CLOSE		6/6/19 12:24 PM	6/6/19 12:24 PM	flowmeter troubleshooting - April 3 2019 operator asked if I could calibrate sludge load out flow meter because it was reading incorrectly. flow meter looks ok, no damage. attempted verification but our unit will not not with the amount of suspended solids in the water. flow meter may have to be removed and cleaned.... will follow up with manager. in order to verify flow clean water with less than 1% suspended solids will have to be run through.

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1464945	0000143110	TANK PROCESS DIGESTER AEROBIC NORTH	5740, Espanola WWTP, Process, Solids Handling	CORR	Refurbish/ Replace/Repair	0		5740 Espanola STP no aeration in North digester	CLOSE		10/23/19 01:02 PM	10/23/19 01:02 PM	-While covering Espanola STP operator noticed there was very poor aeration occurring in the North digester and that digester also needed to be supernanted, so aeration to the north digester was stopped and the next day it was supernanted. After supernanting operator could not get aeration to return and blower even faulted out once so the tanks were equalized using wasting valves to reduce head backpressure but it did not work. All of north digester sludge was then transferred to the south digester using sludge pump but only one diffuser would work. Operator then flushed diffuser air header, replaced a missing bolt on end cap and cleaned several diffusers at ends and middle for much more evenly distributed air and less backpressure on blower. Aeration in north digester is much better.
1178143	0000143110	TANK PROCESS DIGESTER AEROBIC NORTH	5740, Espanola WWTP, Process, Solids Handling	CAP	Refurbish/ Replace/Repair	0		Espanola Wastewater Treatment Plant - Supernate Valve	CLOSE		6/6/19 12:23 PM	6/6/19 12:23 PM	-Had Northern Metal Works fabricate a modified nut for damaged Supernate valve
1259047			5740, Espanola WWTP, Process, Secondary Treatment, Blower 1	PM	Refurbish/ Replace/Repair	0		5740, Espanola WWTP, Process, Blower 1 and 2, Oil and Filter Replacement	CLOSE		6/10/19 12:38 PM	6/10/19 12:38 PM	-Work order for Blower Oil and filter replacement
1103252	0000143043	BLOWER CENTRIFUGAL 02	5740, Espanola WWTP, Process, Secondary Treatment, Blower 2	PM	Refurbish/ Replace/Repair	0		5740 Espanola STP Annual Blower Inspections	CLOSE		1/23/19 01:46 PM	1/23/19 01:46 PM	- Inspected Blower 3. Changed belts. Changed air filter. Greased all fittings. Changed oil. Inspected Blower 2. Ran for one hour. Greased all fittings. No issues. -Trained operator BILL on annual blower inspections.

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1488351	0000294007	BLOWER POSITIVE DISPLACEMENT 03 AERATION DIGESTER	5740, Espanola WWTP, Process, Secondary Treatment, Blower 3	PM	Refurbish/ Replace/Repair	1	YEARS	BLOWER POSITIVE DISPLACEMENT 03 OIL CHANGE (1Y) 5740	COMP	11/1/19 12:00 AM	12/5/19 01:04 PM	12/5/19 01:04 PM	-Both Blowers checked. No vibrations. All fittings were greased. Fluid levels good on both. Belts on #1 have slight wear but not an issue. Oil was replaced last year and is good for two years.
1464337			5740, Espanola WWTP, Process, Secondary Treatment, Process Piping and Valving	OPER	Refurbish/ Replace/Repair	0		5740 Digester Supernate Valve Hub (Northern Metalworks)	COMP		12/3/19 01:31 PM	12/3/19 01:31 PM	-Northern Metal Works made a hub for replacing hub on digester supernate valve. Received the part on Oct 17 2019.
1378502			5740, Espanola WWTP, Process, Secondary Treatment, RAS Pump 1	CORR	Refurbish/ Replace/Repair	0		5740, Espanola WWTP, RAS Pump 1,2,3 Insert order WAJAX	CLOSE		10/17/19 02:11 PM	10/17/19 02:11 PM	-work order for ordering inserts for RAS pumps from WAJAX. STP
1338515			5740, Espanola WWTP, Process, Secondary Treatment, RAS Pump 2	CALL	Refurbish/ Replace/Repair	0		5740, Espanola WWTP, Process, Secondary Treatment, RAS Pump 2 Call out	CLOSE		7/6/19 10:30 AM	7/6/19 02:00 PM	-On site for plant check and noticed RAS not pumping. Only clarifier 1 in service due to maintenance on clarifier 2. Coupling insert broke on RAS pump#2. Took apart and put RAS pump#1 in service. Did major housekeeping as well.

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1342526	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	CORR	Refurbish/ Replace/Repair	0		5740 Espanola WWTP UV system repair	CLOSE		9/23/19 01:41 PM	9/23/19 01:41 PM	inspection - July 31 2019 one of the connections for alight tube has rotted and requires replacement. emailed supplier and asked for quote. removed bulb and sealed up tube so bank can go bank in service until repairs can be made. repair...complete - Sep 17 2019 replaced defective lamp connection and deteriorated end cap. was quite a bit of moisture in housing, removed as much as I could and sprayed Di-electric grease into housing to prevent further corrosion. while working on system operator mentioned intensity would only get up to approx. 50%, removed sensor and cleaned... greased connections and checked for damage, small crack in sensor but not it sensor eye area. replaced sensor and bulb underneath which sensor looks at. after system warmed up intensity got up to 100%. work complete. spare parts. - extra lamp ends were ordered for future repairs. greased ends to keep from corroding and stored in parts cabinet at UV system.
1106156	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	Refurbish/ Replace/Repair	1	YEARS	UV Reactor Inspection (1y) 5740	CLOSE	2/1/19 12:00 AM	3/9/19 10:08 AM	3/9/19 10:08 AM	-Disassembled cleaned and inspected all parts of UV reactor. Did running checks. No issues.

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1299025			5740, Espanola WWTP, Facilities	CAP	Refurbish/ Replace/Repair	0		5740, Espanola STP - Eaves Trough Installation	CLOSE		10/1/19 10:53 AM	10/1/19 10:53 AM	5740, Espanola STP - Eaves Trough Installation -Eaves trough installation at the digester building to prevent further water damage to the brick exterior and sky light.
1140054	0000143788	TANK STORAGE HOT WATER FURNACE ROOM ESP WWTP	5740, Espanola WWTP, Facilities, Building and Grounds	CORR	Refurbish/ Replace/Repair	0		Espanola STP 5740 sanitary line blockage	CLOSE		2/27/19 10:32 AM	2/27/19 10:32 AM	-There was a blockage in the sanitary drain line so a snake was used to try and remove the blockage with no effect so Garnets was called in and they removed the blockage.
1380011	0000143114	PUMP SUBMERSIBLE NEXT TO DIGESTER	5740, Espanola WWTP, Facilities, Building and Grounds	CORR	Refurbish/ Replace/Repair	0		5740 Espanola WWTP Supernate pump repair	CLOSE		9/4/19 09:45 AM	9/4/19 09:45 AM	work order created - created work order for repairs/ rebuild of pump serviced by flygt. accidently used WO 1219143 for the repair of this pump, please change to this work order number. pump CP 3102.180-9410097 5hp has been repaired by flygt and shipped back to espanola and is sitting in the blower room.
1300612			5740, Merrit Sewage Pumping Station	CALL	Refurbish/ Replace/Repair	0		5740, Merrit Sewage Pumping Station, GENERATOR FAILED TO START	CLOSE		6/18/19 03:30 AM	6/18/19 04:00 AM	-Called for general alarm. Generator failed to start persisting issue. Monitored the operation via Wonder Ware for 30 mins. The operation was 100% normal and without trouble. Will ask primary operator to reset the trouble fault on the HMI of the Generator next shift.
1300614			5740, Merrit Sewage Pumping Station	CALL	Refurbish/ Replace/Repair	0		5740, Merrit Sewage Pumping Station, GENERATOR FAILED TO START	CLOSE		6/19/19 01:00 AM	6/19/19 01:40 AM	-Called for general alarm. Generator failed to start persisting issue. Monitored the operation via Wonder Ware for 30 mins. The operation was 100% normal and without trouble. Will ask primary operator to reset the trouble fault on the HMI of the Generator next shift.

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1301005			5740, Merrit Sewage Pumping Station	CALL	Refurbish/ Replace/Repair	0		5740, Merrit Sewage Pumping Station, GENERAL ALARM	CLOSE		6/23/19 03:00 AM	6/23/19 08:00 AM	-Called out at 03:00 for general alarm. Monitored facility operation on Wonder Ware. All good. There were no issues with operation. Arrived at SLS at 07:30 to find that the generator had failed to start. Reset fault on generator panel.
1339584			5740, Merrit Sewage Pumping Station	CALL	Refurbish/ Replace/Repair	0		5740, Merrit Sewage Pumping Station, Generator Alarm	CLOSE		7/10/19 01:45 AM	7/10/19 03:45 AM	-Called out at 01:45 for General Alarm of Merrit St SLS. Checked facility operation on Wonder Ware. Operations were normal. Watched through 2 full cycles of draw down. All Good. Generator alarm causing callout still. Will ask Primary operator to reset.
1463667			5740, Merrit Sewage Pumping Station	CAP	Refurbish/ Replace/Repair	0		5740 Espanola STP Merrit Street Alarm Panel Upgrade	COMP		12/11/19 03:40 PM	12/11/19 03:40 PM	5740 Espanola STP Merrit Street Alarm Panel Upgrade -Due to the discontinuation of the 2G cellular network the alarm system needs to be upgraded to the 4G system.
1178050	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	CAP	Refurbish/ Replace/Repair	0		5740 Espanola Collection, Merrit Generator Fuel Pump	COMP		12/11/19 03:40 PM	12/11/19 03:40 PM	5740 Espanola Collection, Merrit Generator Fuel Pump -The generator was experiencing fail to start and occasionally stops running. It was identified that the fuel pump is faulty and needs to be replaced.
1464269	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	CALL	Refurbish/ Replace/Repair	0		5758 Merrit Street SLS generator fault call out	CLOSE		10/12/19 10:45 AM	10/12/19 11:30 AM	-Operator received call @04:40 for generator fault alarm so operator reviewed online trending and found that both pumps were working as should and did not need to respond right away unless there was a power outage. Operator reset generator fault and made sure equipment was ready for use while on route to another call out.

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1137477	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	CALL	Refurbish/ Replace/Repair	0		5740 Espanola Merrit SLS general alarm call out	CLOSE		2/1/19 09:30 PM	2/1/19 11:30 PM	-Received call @21:28 for general alarm, operator arrived onsite @ 22:15 and found the building was operating under normal power but the generator was in a not ready to start status due to an Sd Underspeed fault. Alarm was reset and generator started up and operator was onsite for 30min and generator operated as should. Left station just after 23:00.
1103145	0000143837	ENGINE DIESEL GENSET MERRIT SEWAGE PUMPING STATION	5740, Merrit Sewage Pumping Station, Facility	CALL	Refurbish/ Replace/Repair	0		Merrit Sewage Pumping Station	CLOSE		1/16/19 10:30 PM	1/17/19 01:45 AM	-Alarm call at 10:15 January 16 2019. On site to find generator had faulted upon start up. Reset the fault and generator started up in auto and ran for 35 minutes and stopped. Switching panel reverted back to source #1. Pumps worked good and milltronics were good.
1103328	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	CALL	Refurbish/ Replace/Repair	0		Merrit Sewage Pumping Station	CLOSE		1/18/19 03:30 AM	3/9/19 09:53 AM	-Alarm call for Generator fault at 00:01. On site after other callout at 03:30. Reset fault and generator started. Tranfer switch changed over to source 2. Let it run and waited for transfer switch to change back to source 1.
1218373	0000143837	ENGINE DIESEL GENSET MERRIT SEWAGE PUMPING STATION	5740, Merrit Sewage Pumping Station, Facility	CALL	Refurbish/ Replace/Repair	0		5740, Merrit Sewage Pumping Station, Facility, ENGINE DIESEL GENSET	CLOSE		4/8/19 11:00 PM	4/9/19 01:30 PM	-Received a general alarm call from True Steel @ 23:00. Onsite @ 23:45 to find generator had faulted due to failure to start. The fuel pump lost its prime again. Reset alarm and started genset. Ran for 30mins. Tested pumps and hi levels alarm while I was there. True Steel confirmed.

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1466888	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	11/1/19 12:00 AM	11/20/19 11:21 AM	11/20/19 11:21 AM	-Ran for an hour. Fluid levels good. Coolant heater good. Operating temperatures and pressures good. All screens and shrouds clear,. Fuel tank level at 23 inches.
1106041	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	2/1/19 12:00 AM	3/9/19 09:58 AM	3/9/19 09:58 AM	-Ran generator for an hour. All fluids at good levels. Fuel tank at 22cm. Runtime pressures and temperatures all good. Coolant heater working well.
1179605	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	4/1/19 12:00 AM	4/17/19 05:26 PM	4/17/19 05:26 PM	-All fluids at proper levels. Ran for 1/2hour. Temperatures and pressures good. Fuel tank at 22". Coolant heater good. No leaks detected. Fuel pump has slight leak which causes the system to lose prime. New one on order.
1221864	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	5/1/19 12:00 AM	5/2/19 11:29 AM	5/2/19 11:29 AM	-Fuel pump slight leak. To be replaced. Fluid levels good. Coolant heater operational. Operating pressures and temperatures good. Fuel tank at 22". Scheduled to be filled. Ran for an hour.
1141568	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	3/1/19 12:00 AM	3/9/19 10:29 AM	3/9/19 10:29 AM	-March 2019 test completed. All fluids and levels good. Runtime temps and pressures good. coolant heater operating well. Tank at 22cms.
1502623	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	12/1/19 12:00 AM	12/5/19 01:15 PM	12/5/19 01:15 PM	-Ran for an hour. Fluids good. Fuel tank at 21.5 inches. Operating temps and pressures good. Coolant heater good. All screens and shrouds clear.

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1056701	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	1/1/19 12:00 AM	1/18/19 09:50 AM	1/18/19 09:50 AM	-All fluids at good levels. Fuel Tank at 22cms. Coolant heater working well. Pressures and temperatures good during an hour runtime. No leaks detected.
1424103	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	10/1/19 12:00 AM	10/4/19 12:33 PM	10/4/19 12:33 PM	-Ran for an hour. Topped battery with DI water. All other fluids at good levels. Coolant heater working well. Operating pressures and temperatures good. Fuel tank at 25".
1259091			5740, Merrit Sewage Pumping Station, Facility	CALL	Refurbish/ Replace/Repair	0		5740, Merrit Sewage Pumping Station, Generator General Alarm	CLOSE		5/23/19 11:45 PM	5/24/19 02:30 AM	-Alarm call at 23:45. Arrived onsite to find generator once again faulted at a start up. Lost fuel pump prime. Reset and ran for 20 mins.
1259118			5740, Merrit Sewage Pumping Station, Facility	CALL	Refurbish/ Replace/Repair	0		5740, Merrit Sewage Pumping Station, Generator Fault Alarm	CLOSE		5/24/19 05:30 AM	5/24/19 07:30 AM	- Another Generator Fault Alarm on same night. Will look into why Generator is being called for by switch box. Reset and ran again.
1261373	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	6/1/19 12:00 AM	6/5/19 01:28 PM	6/5/19 01:28 PM	-All fluid levels good. Coolant heater operating well. All ventilation shrouds clear of debris. Fuel tank full. Ran for an hour. All temperatures and pressures during runtime good. Fuel pump leaking a little more and generator faults still occurring. Val's is to change pump at some point.
1303166	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	7/1/19 12:00 AM	7/9/19 11:39 AM	7/9/19 11:39 AM	-Temps and pressures good. Shrouding and ventilation clear and working. Coolant heater working well. All fluids at proper levels. Fuel pump has been replaced by Val's Equipment. Fuel tank at 25.5 cms

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1382186	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	9/1/19 12:00 AM	9/18/19 12:57 PM	9/18/19 12:57 PM	-Ran for an hour. All fluids at proper levels. Runtime temperatures and pressures are good. Coolant heater working well
1343847	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	8/1/19 12:00 AM	8/1/19 11:11 AM	8/1/19 11:11 AM	-Ran for an hour. No leaks detected. Coolant heater working well. Fluids all at proper levels. Operating temperatures and pressures good. No issues..
1463544			5740, Winkel Sewage Pumping Station	CALL	Refurbish/ Replace/Repair	0		5740, Winkel Sewage Pumping Station, HIGH LEVEL ALARMS	CLOSE		10/8/19 08:24 AM	10/8/19 08:24 AM	-Multiple HIGH LEVEL alarms. Arrived at 16:10. Pumps not coming on. OCWA electrician was onsite to help. Electrician rectified the problem and pumps went back into normal operation. ALL GOOD

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1422066	0000143122	PANEL CONTROL WINKELS PS	5740, Winkel Sewage Pumping Station, Facility	CORR	Refurbish/ Replace/Repair	0		5740 Espanola WWTP Winkels PS panel repair	CLOSE		10/9/19 09:41 AM	10/9/19 09:41 AM	troubleshooting - Sep 24 2019 operator called me to check starter. insulation test passed. found contactor in bad order, tested pump on other circuit and tested ok. ordered contactor from Nedco. repair/call - Oct 4 2019, attempted to replace contactor but new contactor was incorrect coil voltage. called a few hours later because of high level.... found connecting rod from door mounted disconnect switch had fallen out. put rod back into place...c-clip holding rod onto switch may be weak. reported findings to co-workers to watch out for these types of door mounted disconnects. complete - replaced contactor. current readings ok. tested system...ok control Panel is in bad shape, lots of modifications, no drawings, unused equipment, controls in parallel and poor labeling... should be updated. work order complete.

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1101727			Espanola Wastewater Treatment Plant	CORR	Refurbish/ Replace/Repair	0		5740 Espanola WWTP ESA Deficiencies 2018 Repair.	CLOSE		1/22/19 07:20 PM	1/22/19 07:20 PM	esa summary - Inlet Room: conduit feeding 600V receptacle is rotted at floor, Tagged out at disconnect (Do Not Use). item is a pretty time consuming repair as part of the floor will have to be smashed up to access a good piece of conduit to go from. this repair can be estimated at a different time, it has been made safe for now. Emergency Lights: 1 in the inlet MCC is not working, and ! in the digester building is not working and should be replaced. pricing for new units included in request. GFCI: 2 GFI's are required, 1 in lab, 1 in digester room. repairs - Jan 18 2019 replaced 2 defective emergency lights. replaced 2 defective GFCI

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1102044			Espanola Wastewater Treatment Plant	CORR	Refurbish/ Replace/Repair	0		5740 Espanola WWTP CL2 Analyzer data loss	CLOSE		2/4/19 10:27 AM	2/4/19 10:27 AM	loss of data - Jan 2, 2019 asked to inspect why the CL2 analyzed is dropping out on wonderware. after some troubleshooting and looking at trending I found that we are also losing flow data at the same time so the issue is not the analyzer itself. talked with IT on a couple things to try. went to tower to check modem... modem ok checked modem at WWTP... modem ok. found other modem with bad signal but no issues with it reported. troubleshooting - Jan 3 2018 downloaded program from outpost and sent to IT for inspection. complete - I have followed up with the operator. data is no longer going to zero... system ok.
1133068			Espanola Wastewater Treatment Plant	CAP	Refurbish/ Replace/Repair	0		5740 Espanola WWTP Clarifier Replacement Electrical	CLOSE		4/2/19 05:28 PM	4/2/19 05:28 PM	work order created - created work order to order materials. disconnect, wire/cable, strut, nuts & bolts, straps, receptacle, junction box.
1261298	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	6/1/19 12:00 AM	6/4/19 10:39 AM	6/4/19 10:39 AM	-Ran for half hour. All fluids are topped up. Fuel tank full. No issues.
1261320	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	6/1/19 12:00 AM	6/4/19 10:41 AM	6/4/19 10:41 AM	-Not on site.

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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
1287723	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	YEARS	Diesel Generator 2006 Portable Inspection/Functional Test (1y) 5740	CLOSE	6/1/19 12:00 AM	7/9/19 11:24 AM	7/9/19 11:24 AM	-Generator not on site. Closing
1303096	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	7/1/19 12:00 AM	7/9/19 11:30 AM	7/9/19 11:30 AM	-Ran for an hour. No issues. Fluid levels good. Fuel tank full
1303118	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	7/1/19 12:00 AM	8/1/19 08:53 AM	8/1/19 08:53 AM	-Generator not on site. Closing
1382118	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	9/1/19 12:00 AM	9/9/19 03:16 PM	9/9/19 03:16 PM	-Ran for 11/2 hours. Fluid levels good. Operating pressures and temperatures good. Fuel tank at full. Trickle charger operating
1105992	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	2/1/19 12:00 AM	4/2/19 06:16 PM	4/2/19 06:16 PM	-Not onsite. Assumed in good order.
1056642	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	1/1/19 12:00 AM	4/2/19 06:13 PM	4/2/19 06:13 PM	-Generator not on site. Assumed in good order
1424027	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	10/1/19 12:00 AM	10/3/19 01:17 PM	10/3/19 01:17 PM	-Fuel tanks at full and 7/8. All fluid levels good. coolant heater good. Operating pressures and temperatures good. Ran for over an hour.
1424049	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	10/1/19 12:00 AM	10/2/19 01:46 PM	10/2/19 01:46 PM	-Generator not on site
1466818	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	11/1/19 12:00 AM	11/14/19 02:49 PM	11/14/19 02:49 PM	-Ran for 11/2 hours. All fluids at good levels. Operating pressures and temperatures good. Fuel tank at 7/8.
1466840	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	11/1/19 12:00 AM	11/14/19 02:50 PM	11/14/19 02:50 PM	-Not on site.

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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
1105970	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	2/1/19 12:00 AM	4/3/19 12:49 PM	4/3/19 12:49 PM	- Was not on site. Has since been inspected by Val's Equipment in March 2019.
1221818	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	5/1/19 12:00 AM	5/2/19 11:24 AM	5/2/19 11:24 AM	-Not on site.closing
1141482	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	3/1/19 12:00 AM	4/1/19 06:36 PM	4/1/19 06:36 PM	-Val's equipment on site March12 2019, doing inspection / servicing
1141504	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	3/1/19 12:00 AM	4/1/19 06:39 PM	4/1/19 06:39 PM	-Val's Equipment on site March12 2019 for inspection/servicing
1502555	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	COMP	12/1/19 12:00 AM	12/5/19 12:51 PM	12/5/19 12:51 PM	-Ran for an hour. Fluids all topped. Fuel tank at 7/8. Operating pressures and temperatures good. Coolant heater and trickle charger working.
1502577	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	COMP	12/1/19 12:00 AM	12/5/19 12:55 PM	12/5/19 12:55 PM	-Ran for an hour. Fuel tank at 7/8. Coolant level low. Topped. All other fluids good. No trickle charger. Wasn't plugged in but started no problem. Operating pressures and temperatures good.
1056620	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	1/1/19 12:00 AM	4/3/19 12:51 PM	4/3/19 12:51 PM	-Was not on site. Was inspected by Val's in March 2019 tho.
1382140	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	9/1/19 12:00 AM	10/2/19 01:45 PM	10/2/19 01:45 PM	-Generator not on site
1343779	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	8/1/19 12:00 AM	8/1/19 10:59 AM	8/1/19 10:59 AM	-Ran for an hour. No leaks detected. Fuel tank full. Coolant heater working and charger. Fluids at good levels and operating pressures 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
1343801	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	8/1/19 12:00 AM	8/1/19 08:58 AM	8/1/19 08:58 AM	-Generator not on site. Closing
1179532	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	4/1/19 12:00 AM	4/4/19 11:36 AM	4/4/19 11:36 AM	-All fluids at good levels. All pressures and temps good during runtime. Filters good. Was recently inspected and serviced by Val's Equipment in March 2019.
1179554	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	4/1/19 12:00 AM	4/17/19 05:20 PM	4/17/19 05:20 PM	-Ran for 1/2 hour. All fluids at good levels. Operating pressures and temps good
1221790	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	5/1/19 12:00 AM	5/2/19 11:16 AM	5/2/19 11:16 AM	-Ran for an hour. No leaks. Coolant heater good. Fuel level at 5/8. Fluids at proper levels. Operating pressures and temps all good.
1463665			5740, Bois St. Sewage Pumping Station	CAP	Refurbish/ Replace/Repair	0		5740 Espanola STP Bois Street Alarm Panel Upgrade	COMP		12/11/19 03:39 PM	12/11/19 03:39 PM	5740 Espanola STP Bois Street Alarm Panel Upgrade -Due to the discontinuation of the 2G cellular network, the alarm system needs to be upgraded to a 4G system.
1379204			5740, Industrial Park Sewage Pumping Station, Facility	OPER	Refurbish/ Replace/Repair	0		True Steel battery replacement and Alarm system maintenance, Industrial Park	COMP		12/3/19 01:29 PM	12/3/19 01:29 PM	-Work order for service call by True Steel at Industrial Park SPS. They inspected the battery on panel and did inspection on the alarm system. This was done on August 15, 2019.
1339590			5740, Merrit Sewage Pumping Station	CALL	Refurbish/ Replace/Repair	0		5740, Merrit Sewage Pumping Station, Generator Alarm	CLOSE		7/13/19 02:45 AM	7/13/19 09:30 AM	-Called out at 02:45 for General Alarm of Merit St SLS. Checked facility operation on Wonder Ware. Operations were normal. Watched through 2 full cycles of draw down. All Good. Generator alarm causing callout still. Went in early Saturday Morning to reset alarm.

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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
1379665			5740, Merrit Sewage Pumping Station	CAP	Refurbish/ Replace/Repair	0		5740, Merrit Sewage Pumping Station, MAG FLYWHEEL SENSOR AND BATTERY	CLOSE		9/23/19 03:07 AM	9/23/19 03:07 AM	-Vals Equipment Service troubleshoot general alarms for Merit St. Generator. Vals back onsite to replace battery and Flywheel Mag sensor.
1176100			5740, Espanola WWTP	CORR	Refurbish/ Replace/Repair	0		5740 Espanola WWTP data gaps on wonderware troubleshooting/repair	CLOSE		4/16/19 05:46 PM	4/16/19 05:46 PM	data collection - March 7 2019 drove to each site and took pictures of each outpost panel and pulled data from Scada pack to send off to IT for troubleshooting.

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1176101			5740, Espanola WWTP	CORR	Refurbish/ Replace/Repair	0		5740 Espanola WWTP Supernate pump troubleshooting	CLOSE		4/1/19 12:13 PM	4/1/19 12:13 PM	pump troubleshooting - March 8 2019 asked to inspect why pump is not moving water. performed tests and attempted repair. Pump replacement -During use on March 8 2019, pumps was not pumping. Pump was reversed with no effect. Impeller was damaged upon inspection after pulling pump out. New pump was installed. 5740 Espanola WWTP Supernate pump troubleshooting -Onsite With Operator, Tested supernate pump. Pump would not pump, Chain failed on lifting system and required tank to be pumped out with portable pump, hooked old pump from top with chainfall. discovered that pump was not plugged and that impeller is worn out. Replaced with pre purchased spare pump, tested ok switched pump - March 8 2019 removed old pump and wired in new pump.
1535497	0000258521	VALVE BACKFLOW FERRIC ROOM ESPANOLA WWTP	5740, Espanola WWTP	PM	Refurbish/ Replace/Repair	1	YEARS	Backflow Preventer Ferric Inspection (1y) 5740	COMP	1/10/20 12:00 AM	2/4/20 09:50 AM	2/4/20 09:50 AM	Backflow Preventer Ferric Inspection (1y) 5740 -Completed annual backflow testing
1535482	0000258522	VALVE BACKFLOW DIGESTER ROOM ESPANOLA WWTP	5740, Espanola WWTP	PM	Refurbish/ Replace/Repair	1	YEARS	Backflow Preventer Digester Inspection (1y) 5740	COMP	1/10/20 12:00 AM	2/4/20 09:49 AM	2/4/20 09:49 AM	Backflow Preventer Digester Inspection (1y) 5740 -Completed annual Backflow inspection

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 Report End Date: Dec 31, 2019 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
1535492	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	1/10/20 12:00 AM	2/4/20 09:52 AM	2/4/20 09:52 AM	-Completed Annual Backflow testing
1299257			5740, Espanola WWTP	PM	Calibration	1	YEARS	Flow Meter Calibration (1y) 5740 Esp WWTP	CLOSE	7/18/19 12:00 AM	8/9/19 10:18 AM	8/9/19 10:18 AM	flow verifications - Aug 8 2019 performed flow verifications 4 of 5 flow meter ok...could not verify sludge load out with PT878 because of high amount of solids in the water. light - Aug 8 2019 outside light on the south wall at esp wtp stopped working, took the light down and sent to supplier for exchange (under warranty)