

Espanola Water Pollution Control Plant

Annual Operating Report

ECA 2162-9NYL7Z
Issued September 22, 2014

January 1, 2017 – December 31, 2017

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



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) #2162-9NYL7Z. The report is required to include the following information:

- (i) A summary and interpretation of all monitoring data and a comparison to the effluent limits outlined in Condition 7, including an overview of the success and adequacy of the works;
- (ii) A description of any operation problems encountered and corrective actions taken;
- (iii) A summary of all maintenance carried out on any major structure, equipment apparatus, mechanism or thing forming part of the works;
- (iv) A summary of any effluent quality assurance or control measures undertaken in the reporting period;
- (v) A summary of the calibration and maintenance carried out on all effluent monitoring equipment;
- (vi) A description of efforts made and results achieved in meeting the Effluent Objectives of Condition 6;
- (vii) A tabulation of the volume of sludge generated in the reporting period, an outline of anticipated volumes to be generated in the next reporting period and a summary of the locations to where the sludge was disposed;
- (viii) A summary of any complaints received during the reporting period and any steps taken to address the complaints;
- (ix) A summary of all bypass, spill or abnormal discharge events; and
- (x) Any other information the Water Supervisor requires from time to time.

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 2017 reporting period.

The total effluent discharge from the Sewage Treatment Plant for the year was 1,081,008m³.

The total raw sewage flow into the Sewage Treatment Plant for the year was calculated to be 1,081,008m³.



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
CBOD ₅ (mg/L)	Weekly	24hr Composite – External Analysis (Lab)	41	117.3	350
TSS (mg/L)	Weekly	24hr Composite – External Analysis (Lab)	39	147.7	390
TP (mg/L)	Weekly	24hr Composite – External Analysis (Lab)	1.13	2.33	4.8
TKN (mg/L)	Weekly	24hr Composite – External Analysis (Lab)	11.9	17.6	31
Alkalinity (mg/L as CaCO ₃)	Weekly	24hr Composite – External Analysis (Lab)	82	101.8	157
Flow (m ³ /d)	Daily	Flow meter	333	2,969.8	5,376

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	8.74	9.25	26.9	0.16	0.466	0.25	0.728	6.31	7.02
February	3	8.04	16.5	44.2	0.085	0.228	0.25	0.606	6.43	7.28
March	2	5.74	2.8	8.04	0.058	0.166	0.24	0.689	6.76	7.33
April	3	8.86	5	14.77	0.11	0.325	0.425	1.256	6.50	7.07
May	2.75	8.47	6	18.48	0.088	0.271	3.75	11.55	6.68	6.81
June	3	9.22	5	15.36	0.086	0.264	1.12	3.442	6.68	6.78
July	2.5	7.58	3.75	11.37	0.065	0.197	0.95	2.882	6.69	6.81
August	2	6.32	3	9.473	0.096	0.303	0.9	2.842	6.72	6.81
September	2	5.65	2.75	7.769	0.115	0.325	0.175	0.494	6.67	6.87
October	2.75	7.61	7.5	20.75	0.158	0.437	0.15	0.415	6.78	6.97
November	3.8	11.08	10.6	30.92	0.234	0.683	0.14	0.408	6.71	6.92
December	7.75	25.11	34.25	110.9	0.392	1.269	1.425	4.617	6.78	6.91
Max	7.75	25.11	34.25	110.9	0.392	1.269	3.75	11.55		
Average	3.096		8.596		0.136		0.754			
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

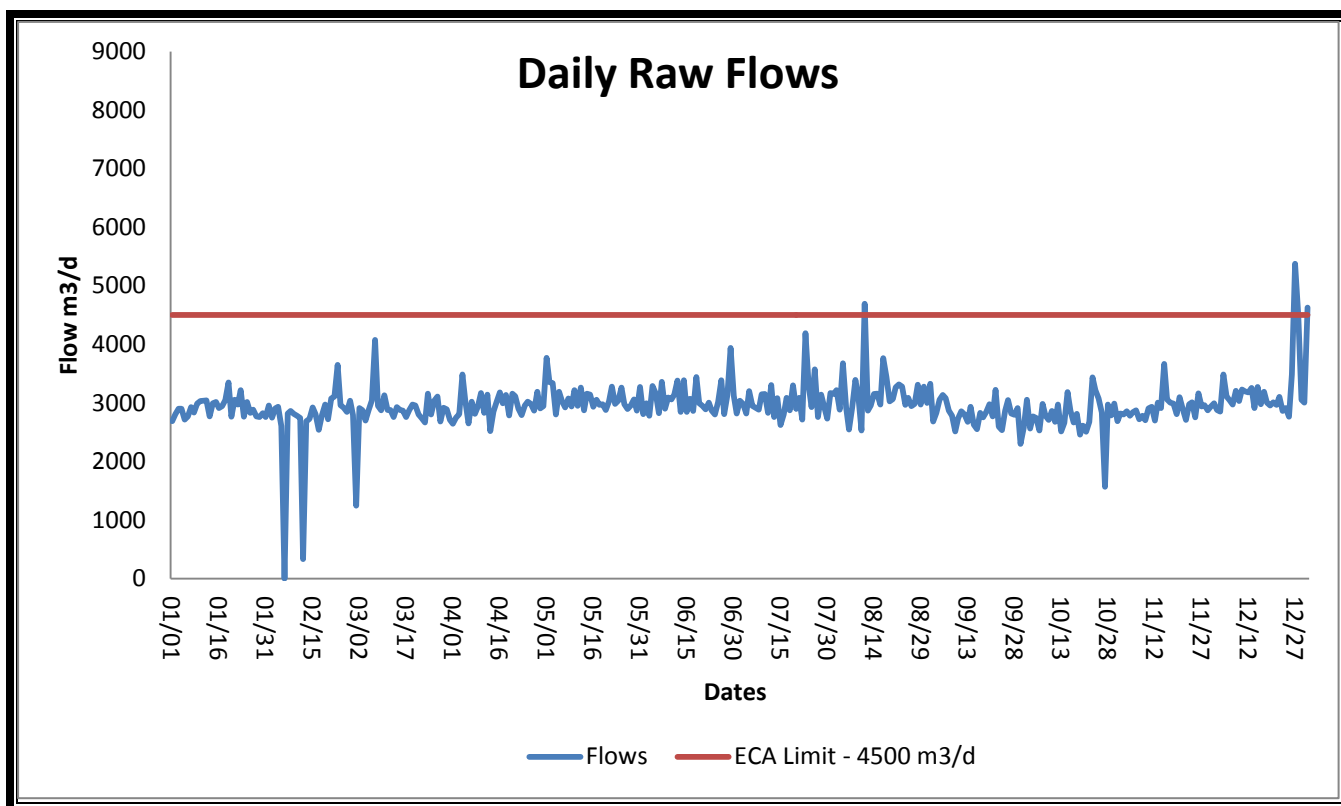
Additional Effluent Monitoring Samples									
Month	Nitrate		Alkalinity		*E.Coli		Temperature		
	Max	Avg	Max	Avg	Max	Avg	Max	Avg	
January	10.2	8.96	24	21.25	20	3.56	16.7	12.6	
February	8.97	8.49	23	21.25	6	3.13	21.3	14.3	
March	10.5	9.08	26	19.4	12	2.86	9.5	8.3	
April	7.97	7.58	34	28.75	6	2.63	12.5	10	
May	8.57	5.18	62	40.75	3,120	65.38	13.5	11.7	
June	9.44	8.05	36	22	12	3.29	15	14.1	
July	7.83	7.11	37	31.75	176	13.56	16.7	16.1	
August	10.5	8.56	36	29.8	2	2	18.5	17.3	
September	11.1	9.76	36	24.25	10	3.56	19	17.1	
October	10.8	10.16	26	24.75	6	2.49	17	14.8	
November	12.5	10.01	30	21.8	156	14.31	14.2	11.5	
December	12.3	6.99	53	34.5	214	57.98	13.8	10.5	

* 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	90,319	2,913.52	3,350	90,319
February	75,086	2,780.96	3,652	75,086
March	88,971	2,870.03	4,078	88,971
April	88,619	2,953.97	3,486	88,619
May	95,470	3,079.68	3,769	95,470
June	92,186	3,072.87	3,940	92,186
July	94,032	3,033.29	4,192	94,032
August	97,890	3,157.74	4,695	97,890
September	84,754	2,825.13	3,325	84,754
October	85,753	2,766.23	3,438	85,753
November	87,505	2,916.83	3,664	87,505
December	100,432	3,239.45	5,346	100,432
Total	1,081,008			1,081,008
Average		2,969.8	5,346	
Maximum				





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
2017	1,081,008	2,969.8	5,346	65.9%
2016	1,171,385	3,200.51	8,572	71%
2015	1,135,005	3,158	4,734	70%
2014	1,209,214	3,308	7,987	74%

The average flows measured into the sewage treatment plant did not exceed the specified average daily flow of 4500 m³/day in 2017.

The average daily flow for 2017 is 2,969.8/d which is approximately 65.9% of the rated capacity. The highest recorded peak flow occurred in December (5,346m³/d) and was approximately 118.8% of the average rated capacity, however the peak flow rate specified in the ECA is 12,300 m³/d. The highest recorded flow was 43.5% of the peak flow rating.

The total raw sewage flow into the Sewage Treatment Plant for the year was calculated to be 1,081,008m³.

The total effluent discharge from the Sewage Treatment Plant for the year was 1,081,008m³.

The average concentrations and loadings for the above parameters were well within the compliance specified in the facility ECA. All parameters were within the objective limits except for the minimum pH in January and February and TSS in December. 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. In 2016, an online pH analyzer was also installed to better monitor the effluent pH.

SECTION 5: Facility Upsets & Non Compliances

During the 2017 year there were no spills, overflows or non compliances.

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 2017. 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
241620	20-Jan-17	<i>East Clarifier</i> Installed new gear box after old one failed. Disassembled and rebuild faulty gearbox with new bearings
314751	01-Mar-18	<i>Bar Screen Rebuild</i> Complete rebuild of the raw sewage bar screen. Replaced all moving parts and electrical components
243300	31-Dec-17	<i>North Digester Supernatant Valve</i> The bolt holding the stem to the supernatant valve piping broke. Replaced bolt and returned to working condition
344617	11-Jul-17	<i>RAS Pump</i> Rebuild of one return activated sludge pump. Replaced impeller and volute housing
344800	25-May-17	<i>Clarifier 1</i> Welded scraper blades back onto rake arms. Removed upper gearbox, cleaned and refit with new bearings.
346326	10-Jul-17	<i>Bar Screen Milltronics</i> Level sensing device was not functioning. Repaired wiring issues and cleaned
472397	17-Nov-17	<i>UV Lamp Replacement</i> Ordered 18 UV lamps
472854	17-Nov-17	<i>Online DO Monitor</i> Purchased online DO monitor for the aeration system
509360		<i>Portable DO Analyzer</i> Analyzer was reading very inaccurately, purchased a new DO probe
538844	23-Feb-18	<i>Supernatant Pump Replacement</i> Pump failed and needed to be replaced. Installed new pump for the digester system
543121	28-Nov-17	<i>Clarifier 1 and 2</i> Ordered new shear pins and a spare chain for the clarifier arms
543348	22-Dec-17	<i>Clarifier 2</i> Inspected drive gear and noticed that the bearings and gear were worn out. Ordered parts and had Spec&Son complete the repair



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	280	315	245	315	315	70	455	105	210	105	210	2,907

Lab Results for Sludge Hauled

Parameter	2017 Average Concentration	2016 Concentration	2015 Concentration	2014 Concentration	2013 Concentration
BOD ₅	2,155.5				
Total Solids	14,858.1	15,862.5	22800	25400	16400
Total Phosphorus	475.7	525	590	170	N/A
Total Ammonia		5.8	86.1	33	8.0
TKN	2007.6				
Nitrite		<0.2	1.9	0.5	0.6
Nitrate		3.4	4.1	0.6	0.6
Arsenic	0.085	0.1	<0.1	<0.1	<0.3
Cadmium	0.052	0.008	0.20	<0.005	<0.03
Cobalt	1.56	0.071	0.07	0.01	0.07
Chromium	0.255	0.27	0.32	0.07	0.3
Copper	16.2	9	11	2.6	9.1
Mercury	5.42	0.009	0.038	0.004	0.024
Potassium	74.7	106	110	88	100
Molybdenum	40.96	0.12	0.07	<0.05	<0.1
Nickel	0.629	0.64	0.72	0.18	0.6
Lead	0.32	0.31	0.5	<0.1	0.6
Selenium	0.1	<0.11	<0.1	<0.1	<0.3
Zinc	6.03	5.7	6.8	1.4	4.9
Silver	0.04	0.095			
Aluminum	803.7	830			
Antimony	0.11	<0.11			
Bismuth	0.284	0.275			
Boron	0.239	0.27			
Manganese	50	58			
Tin	0.32	0.39			
Titanium	4.02	3.9			
Vanadium	0.22	0.19			



A total volume of 2,907m³ was removed from the Espanola WPCP in 2017 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 2018.

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 2017 reporting year

SECTION 9: Additional Information

A biosolids feasibility study is being conducted in 2018 for the Town of Espanola. The Town would like to move towards becoming self-sufficient in processing their biosolids; this study will help determine the best direction.



Appendix A

Plant Maintenance

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
509106			5740, Espanola WWTP	OPER	HEALTH AND SAFETY	1	YEARS	JHSC Inspection (1y) 5740	COMP	10/25/17 12:00 AM	3/14/18 02:24 PM	3/14/18 02:24 PM	JHSC Inspection (1y) 5740 -Annual JHSC inspection for 2017 was completed on 03/14/2018 see report for details.
543975			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	COMP	12/1/17 12:00 AM	12/21/17 10:39 AM	12/21/17 10:39 AM	-health and safety complete .
510378			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	11/1/17 12:00 AM	12/7/17 11:46 AM	12/7/17 11:46 AM	-health and safety inspection complete
441374			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	9/1/17 12:00 AM	9/12/17 02:46 PM	9/12/17 02:46 PM	-health and safety complete .
474157			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	APPR	10/1/17 12:00 AM			
410516			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	8/1/17 12:00 AM	9/4/17 11:11 AM	9/4/17 11:11 AM	-health and safety inspection complete.
352491			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	YEARS	Fire Protection System Inspection (1y) 5740	APPR	6/1/17 12:00 AM			
379064			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	7/1/17 12:00 AM	8/1/17 08:41 AM	8/1/17 08:41 AM	-health and safety complete
347253			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	6/1/17 12:00 AM	6/29/17 09:54 AM	6/29/17 09:54 AM	-Health and safety inspection completed.
317039			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	5/1/17 12:00 AM	5/23/17 10:49 AM	5/23/17 10:49 AM	health and safety complete -health and safety inspection complete.
266438			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	3/1/17 12:00 AM	4/4/17 11:30 AM	4/4/17 11:30 AM	health and safety -All health and safety meet requirements .
290737			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	4/1/17 12:00 AM	4/25/17 10:30 AM	4/25/17 10:30 AM	-health and safety inspection completed.
244156			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	2/1/17 12:00 AM	3/1/17 01:55 PM	3/1/17 01:55 PM	health and safety -All health and saftey meet requirments.

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
213714			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	1/1/17 12:00 AM	1/6/17 08:31 AM	1/6/17 08:31 AM	Health And Safety Inspection (1m) 5740 - First aid kit is good Fire extinguishers are good Fire hoses are good Eye wash/shower station is good Emergency lighting is not working. Some hand railings on digester observation pad are becoming loose and wobbling a bit due to deterioration of cement/concrete pad
216935			5740, Espanola WWTP	OPER	HEALTH AND SAFETY	1	YEARS	WHMIS/MSDS/NSF Review And Update (1y) 5740	COMP	1/1/17 12:00 AM	2/16/18 12:55 PM	2/16/18 12:55 PM	WHMIS/MSDS/NSF Review And Update (1y) 5740 -WHMIS/SDS/NSF documentation review and update has been completed.
316339	0000294009	5740 Espanola Confined Space Trailer	5740, Espanola WWTP	OPER	HEALTH AND SAFETY	0		5740 Confined Space Trailer eye wash station installation	APPR				5740 Confined Space Trailer eye wash station installation -Portable eye wash station needs to be installed in confined space trailer for health and safety compliance.
228008			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	APPR	1/1/17 12:00 AM			
216174			5740, Espanola WWTP	OPER	COMPLIANCE	1	YEARS	Non-Routine Sampling (1y) 5740	APPR	1/1/17 12:00 AM			non routine digester metals analysis -1-27-2017 took digester metals sample . perform metals sampling on digester October -Took monthly digester metals sampling on 10/31/2017.
254741			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	CLOSE	2/1/17 12:00 AM	3/1/17 02:18 PM	3/1/17 02:18 PM	wiski -all wiski is complete.
277919			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	CLOSE	3/1/17 12:00 AM	4/4/17 11:51 AM	4/4/17 11:51 AM	wiski -All wiski is completed.
333657			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	CLOSE	5/1/17 12:00 AM	6/1/17 11:05 AM	6/1/17 11:05 AM	wiski complete -wiski complete
348503			5740, Espanola WWTP	OPER	COMPLIANCE	1	YEARS	Facility Emergency Plan Review (1y) 5740	APPR	6/1/17 12:00 AM			

Workorder Summary Report

Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
352230			5740, Espanola WWTP	OPER	COMPLIANCE	2	YEARS	Operation/SOP Manual Review And Update (2y) 5740	APPR	6/1/17 12:00 AM			
303380			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	CLOSE	4/1/17 12:00 AM	5/1/17 01:13 PM	5/1/17 01:13 PM	-wiski complete
364478			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	APPR	6/1/17 12:00 AM			-wiski completed
427998			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	APPR	8/1/17 12:00 AM			-wiski complete .
459433			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	APPR	9/1/17 12:00 AM			
397217			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	CLOSE	7/5/17 12:00 AM	8/1/17 08:54 AM	8/1/17 08:54 AM	-wiski complete .
530550			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	APPR	11/1/17 12:00 AM			
567219			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	COMP	12/1/17 12:00 AM	12/21/17 11:54 AM	12/21/17 11:54 AM	-wiski complete
509114			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	APPR	10/25/17 12:00 AM			

Workorder Summary Report

Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
242884			Espanola Wastewater Treatment Plant	CORR	COMPLIANCE	0		5740 Espanola WWTP ESA deficiencies	CLOSE		10/19/17 02:22 PM	10/19/17 02:22 PM	labels - Sep 19 2017 ordered labels for brother label maker electrical - October 2 2017, replaced/repared emergency lights, repaired changeroom light in office building a couple months ago.. putting in log now. fire alarm system - Oct 2, 2017 evaluated fire alarm system a couple months ago .. entering log now. found faulty wiring in alarm panel and dead battery.. ordered material required and replaced/repared. clearances - Oct 2, 2017 cleaned out in front of electrical equipment a couple months ago.. entering in log now. Pump #3 RAS - Oct 2, 2017 repaired damaged conduit feeding RAS pump #3 MCC back panel bolts - Oct 2, 2017 ordered material a couple months back. installed bolts.

Workorder Summary Report

Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
													MCC exhaust fan - OCT 2, 2017 while installing back panel bolts I realized exhaust fan was not working.. turns out it was clogged... removed outer cover and wiped clean with a broom. sludge basin JB - Oct 2, 2017 moved wires from damaged JB to other JB... removed and disposed of damaged JB RAS Room emergency lighting - Oct 2, 2017 all emergency lights in RAS pump room need to be changed.. ordered new material and will install once received. ordered 1 light for Blower room. XO on transformer - Oct 2, 2017 was reported to ground XO on transformer, found XO to be bonded through tx housing so I moved to the XO lug on the transformer for a much better connection.

Workorder Summary Report

Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
													air compressor - Oct 3,2017 purchased and installed new 50' airline/connectors/nozzle onto air compressor in shop that I used to blow out the shop transformer. air compressor water bleeder was plugged so I removed it to notice the tank was 1/4 full of water and lots of metal/rust scale build up. tried to remove as much scale as possible, then installed unclogged drain nozzle. ran compressor a few times to try and remove as much moisture as possible, then labeled "Drain before use" in 2 locations on compressor. materials - Oct 10, 2017 picked up materials tools to replace what was used on job. ladder: used ladder from water plant and got contaminated with waste water so purchased a new ladder to replace one taken from water plant. purchased some chain to repair lights. completed work order - Tuesday October 17 repaired emergency lights in RAS pump Room 5 bulbs in total. changed 1 bulb on light/battery unit in blower room.
344946			Espanola Wastewater Treatment Plant	CALL	INSPECTION	0		espanola sewage treatment plant	INPRG		5/6/17 07:00 PM	5/6/17 09:00 PM	-went to inspect plant due to power bump. aeration tank, digesters , clarifiers and ras pumps all needed to be reset. All was good after.

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
509124	0000294009	5740 Espanola Confined Space Trailer	5740, Espanola WWTP	OPER	INSPECTION	3	MONTHS	5740 Espanola Confined Space Trailer Inspection	APPR	10/25/17 12:00 AM			
543934			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	COMP	12/1/17 12:00 AM	12/21/17 10:33 AM	12/21/17 10:33 AM	-inspection complete . clarifier #2 is back online and running well .
441333			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	9/1/17 12:00 AM	9/12/17 02:42 PM	9/12/17 02:42 PM	-Plant inspection complete .
441370			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	9/1/17 12:00 AM	9/12/17 02:44 PM	9/12/17 02:44 PM	-All alarm testing complete and work well .
409214			5740, Merrit Sewage Pumping Station	CALL	INSPECTION	0		Call to inspect Merrit Lifstation from Todd	CLOSE		7/7/17 02:00 AM	7/7/17 06:00 AM	Call to inspect from Todd - Received call from Todd, from power outage to assist in Inspecting Merrit Liftstation. Due to High level alarm.
289291			5740, Merrit Sewage Pumping Station	CALL	INSPECTION	0		high priority alarm	CLOSE		3/12/17 08:30 AM	3/12/17 09:45 AM	-Received high priority alarm . Uppon arrival noticed low battery alarm for generator .Reset battery and everything is running normal.
241439	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	CALL	INSPECTION	0		5740, Merrit Sewage Pumping Station, GENERAL ALARM	CLOSE		1/5/17 07:10 PM	1/5/17 11:10 PM	-Called in for General alarm. Generator was in alarm for Failed Sensor, Low Water Temp, Water Temp. Reset Alarms Temporarily. Water Temp was at 110F. Sensor failing to read out correct values causing repeating alarms. Disregarded General alarming with True Steel till 9 am. Total Power called in for evaluation. -Total Power has reported that if the fault conditions are not cleared on the Generator it will not start in auto if needed.
397949	0000294009	5740 Espanola Confined Space Trailer	5740, Espanola WWTP	OPER	INSPECTION	3	MONTHS	5740 Espanola Confined Space Trailer Inspection	APPR	7/5/17 12:00 AM			

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
410475			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	8/1/17 12:00 AM	9/4/17 11:08 AM	9/4/17 11:08 AM	-plant inspection and maintenance complete .
410512			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	8/1/17 12:00 AM	9/4/17 11:10 AM	9/4/17 11:10 AM	-All alarm testing complete .
474113			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	APPR	10/1/17 12:00 AM			
474153			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	10/1/17 12:00 AM	10/19/17 03:09 PM	10/19/17 03:09 PM	-alarm testing complete.
510337			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	11/1/17 12:00 AM	12/7/17 11:44 AM	12/7/17 11:44 AM	-performed inspection . scraper arm on clarifier #2 is not working . Gear box needs to be replaced . Management was notified and arrangements were made to get the job done .
510374			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	11/1/17 12:00 AM	12/7/17 11:40 AM	12/7/17 11:40 AM	-Alarms tested and work well . -gas alarm in stp is not working . Will call K1 to come fix the issue
365218			5740, Espanola WWTP	PM	INSPECTION	1	YEARS	Lifting Equipment Inspection (1y) 5740	APPR	6/1/17 12:00 AM			
379020			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	7/1/17 12:00 AM	8/1/17 08:38 AM	8/1/17 08:38 AM	-TPM inspection complete.
379060			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	7/1/17 12:00 AM	8/1/17 08:40 AM	8/1/17 08:40 AM	-All alarming testing complete .
304054	0000294009	5740 Espanola Confined Space Trailer	5740, Espanola WWTP	OPER	INSPECTION	3	MONTHS	5740 Espanola Confined Space Trailer Inspection	APPR	4/1/17 12:00 AM			
316998			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	5/1/17 12:00 AM	5/23/17 10:45 AM	5/23/17 10:45 AM	inspention complete -Plant inspection and maintenance complete. Everything is running well.
317035			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	5/1/17 12:00 AM	5/23/17 10:48 AM	5/23/17 10:48 AM	alarm testing complete -Alarm testing complete. All alarms working well .

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
348883			5740, Espanola WWTP	PM	INSPECTION	1	YEARS	Lifting Equipment Inspection (1y) 5740	APPR	6/1/17 12:00 AM			
347204			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	6/1/17 12:00 AM	6/29/17 09:51 AM	6/29/17 09:51 AM	-Inspection completed . everything is running well.
347249			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	6/1/17 12:00 AM	6/29/17 09:53 AM	6/29/17 09:53 AM	-Alarm testing completed . All alarms working well.
271743			5740, Espanola WWTP	PM	INSPECTION	1	YEARS	5740 Espanola WWTP Electrical Equipment Inspection/Service (1y)	APPR	3/1/17 12:00 AM			heaters - Dec12 2017 with operator, turned on all heaters in plant.
290693			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	4/1/17 12:00 AM	4/25/17 10:25 AM	4/25/17 10:25 AM	-inspection and maintenance completed.
290733			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	4/1/17 12:00 AM	4/25/17 10:27 AM	4/25/17 10:27 AM	-alarm and dialer testing complete.
244115			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	2/1/17 12:00 AM	3/1/17 01:48 PM	3/1/17 01:48 PM	inspection -After thorough inspection everything is running well .
244152			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	2/1/17 12:00 AM	3/1/17 01:52 PM	3/1/17 01:52 PM	alarm testing -All alarms tested and working good.
509126	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)	APPR	10/25/17 12:00 AM			
229123	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	1/1/17 12:00 AM	1/10/17 03:30 PM	1/10/17 03:30 PM	Vehicle Chev Silver AJ81033 Inspection (1m) -Vehicle passed all running checks and is operating normally.
255612	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	2/1/17 12:00 AM	3/1/17 02:20 PM	3/1/17 02:20 PM	inspection/cleaning -cleaned and inspected vehical. everything is good.

Workorder Summary Report

Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
278808	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	3/1/17 12:00 AM	4/4/17 11:54 AM	4/4/17 11:54 AM	-cleaned and inspected vehicle. everything is good.
304282	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)	APPR	4/1/17 12:00 AM			-vehicle inspection completed.
334512	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	5/1/17 12:00 AM	5/23/17 11:09 AM	5/23/17 11:09 AM	-vehicle inspection complete . Oil change required. Will make appointment.
366132	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	6/1/17 12:00 AM	6/29/17 10:09 AM	6/29/17 10:09 AM	-vehicle inspection completed .
398189	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	7/5/17 12:00 AM	8/1/17 08:55 AM	8/1/17 08:55 AM	-vehicle inspection complete.
428869	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	8/1/17 12:00 AM	9/4/17 11:22 AM	9/4/17 11:22 AM	-vehicle inspection complete .
460351	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	9/1/17 12:00 AM	9/12/17 02:48 PM	9/12/17 02:48 PM	-vehicale inspection complete .
531484	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	11/1/17 12:00 AM	12/7/17 11:50 AM	12/7/17 11:50 AM	-Vehicle inspection complete .Tire on front passenger side needs to be replace and oil change needs to be done . appointment has bin made .

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
568172	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	12/1/17 12:00 AM	12/18/17 09:31 AM	12/18/17 09:31 AM	-vehicle inspection complete.
266397			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	3/1/17 12:00 AM	4/4/17 11:24 AM	4/4/17 11:24 AM	inspection -after thorough inspection everything is running well.
266434			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	3/1/17 12:00 AM	4/4/17 11:27 AM	4/4/17 11:27 AM	alarm testing -all alarms are working good.
543971			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	COMP	12/1/17 12:00 AM	12/21/17 10:35 AM	12/21/17 10:35 AM	-Alarm testing complete . Merrit street lift station high level alarm not working . Management was notified and issue will be looked into further .
214707			5740, Espanola WWTP	OPER	INSPECTION	1	YEARS	Daily O&M Activities (1y) 5740	COMP	1/1/17 12:00 AM	1/3/18 10:47 AM	1/3/18 10:47 AM	Daily O&M Activities (1y) 5740 -Kyle called me down to STP, Truck fill line had no flow, ran both pumps with no change. Thawed fill line outside with torch until flow was back to normal Cleaned & hosed down scum troughs on Clarifiers -also used pressure washer to remove algae from around the clarifier effluent. Helped Dillon put one of the RAS pumps back together. Had to change one of the coupling between motor & pump. got it back in operation. Rounds\scum troughs\Ras boxes\labs -Completed rounds & labs. Cleaned Scum troughs & RAS boxes. Turned composite samplers on. Emptied pails from Ras boxes into waste bins. Wasted 60m3 from Clarifier #1. Fixed door by clarifier #1 going into blower room. Able to close now.

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
228829	0000294009	5740 Espanola Confined Space Trailer	5740, Espanola WWTP	OPER	INSPECTION	3	MONTHS	5740 Espanola Confined Space Trailer Inspection	CLOSE	1/1/17 12:00 AM	1/31/17 10:37 AM	1/31/17 10:37 AM	5740 Espanola Confined Space Trailer Inspection -Confined space trailer was cleaned as well as dirty equipment, made sure there was sufficient supplies(rags, gloves..), brought one gas monitor into Saucie Salo to be calibrated and another is giving an error light which will be looked into further and there is plenty of documentation papers.
213670			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	1/1/17 12:00 AM	1/31/17 10:40 AM	1/31/17 10:40 AM	TPM Inspection/Maintenance (1m) 5740 - Bar screen still slightly out of alignment and makes some abnormal noises occasionally, supernanting valves were greased. No abnormal noises, heat or vibrations noticed coming from equipment.
213710			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	1/1/17 12:00 AM	1/6/17 08:26 AM	1/6/17 08:26 AM	Critical Alarm/Dialer Testing (1m) 5740 -High water level alarms were tested at lift station and they all called out as they should and inlet room gas alarm was tested and alarm sounded.
267368	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	3/1/17 12:00 AM	4/4/17 11:46 AM	4/4/17 11:46 AM	uv light reactor check -after thorough inspection everything is good.
291796	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	4/1/17 12:00 AM	4/25/17 10:57 AM	4/25/17 10:57 AM	-uv reactor check completed .
511350	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	11/1/17 12:00 AM	12/7/17 11:48 AM	12/7/17 11:48 AM	-Uv inspection complete . Uvi is at 80% . Will look into issue further .
544966	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	12/1/17 12:00 AM	12/18/17 09:33 AM	12/18/17 09:33 AM	-Cleaned and changed burnt bulb on uv lights .

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
318014	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	5/1/17 12:00 AM	5/23/17 11:07 AM	5/23/17 11:07 AM	-Uv inspection complete. everything is working good. cleaned uv lights and replaced automatic cleaner.
348413	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	6/1/17 12:00 AM	6/29/17 10:06 AM	6/29/17 10:06 AM	-uv check completed .
380365	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	7/1/17 12:00 AM	8/1/17 08:51 AM	8/1/17 08:51 AM	-uv inspection complete .
411516	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	8/1/17 12:00 AM	9/4/17 11:19 AM	9/4/17 11:19 AM	-Uv inspection and cleaning complete .
442295	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	9/1/17 12:00 AM	9/12/17 02:47 PM	9/12/17 02:47 PM	-Uv check and cleaning complete .
475260	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	APPR	10/1/17 12:00 AM			
215254	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	1/1/17 12:00 AM	1/31/17 02:34 PM	1/31/17 02:34 PM	UV light sheild was modified -UV shield on module #1 was hitting the UVI sensor cord causing deterioration to cord so a small piece of shield was cut off to prevent contact. UV Light Reactor Check (1m) 5740 -cleaned uv lights weekly , cleaned level sensor weekly, did a 2 point calibration on ph analyzer.
245085	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	2/1/17 12:00 AM	3/1/17 02:10 PM	3/1/17 02:10 PM	uv light reactor check -after thorough check everything is good.
242184	0000143004	METER FLOW FT-302 RAW SEWAGE BYPASS	5740, Espanola WWTP, Process, Process Control and Monitoring, Solids Handling	PM	PREDICTIVE MAINTENANCE	0		5740 ANNUAL FLOW VERIFICATION	CLOSE		1/12/17 02:42 PM	1/12/17 02:42 PM	5740 ANNUAL FLOW VERIFICATION -Completed Annual Flow Calculations on the Bypass channel

Workorder Summary Report

Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
242202	0000143003	METER FLOW FT-301 RAW SEWAGE	Espanola Wastewater Treatment Plant	PM	PREDICTIVE MAINTENANCE	0		5740 Raw water Channel Flow Verification	CLOSE		1/12/17 02:56 PM	1/12/17 02:56 PM	5740 Raw water Channel Flow Verification -Completed Annual Flow verification
344773			Espanola Wastewater Treatment Plant	CORR	REFURBISH/ REPLACE/ REPAIR	0		5740 ESP STP CL2 Analyzer feed water	CLOSE		5/23/17 09:35 AM	5/23/17 09:35 AM	5740 ESP STP CL2 Analyzer feed water -Repiped Sample analyzer to feed from the water meter. Eliminating a chance of cross connection with HW system
344800			Espanola Wastewater Treatment Plant	CORR	REFURBISH/ REPLACE/ REPAIR	0		5740 Replace HW Tank Relief Valve	CLOSE		5/25/17 11:34 AM	5/25/17 11:34 AM	5740 Replace HW Tank Relief Valve -Replaced Hot water tank Pressure Relief Valve. I failed and had a constant drip

Workorder Summary Report

Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
345305		Espanola Wastewater Treatment Plant	Espanola Wastewater Treatment Plant	CORR	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola STP Clarifier #1 Drain down/Inspection	CLOSE		5/23/17 09:41 AM	5/23/17 09:41 AM	5740 Espanola STP Clarifier #1 Drain down/Inspection - Drain Down Clarifier #1 for inspection. Cleaned all sludge from discharge trough, cleaned out clarifier tank, rake arms for inspection. found three scraper blades off rake arms. Reweld blades back on to rake arms. Found bearings in the upper gear box to be worn. removed upper gear box disassemble, clean and refit with new bearings. have gearbox lifted back on with boom truck. Reassemble and test. trimmed on blade from hitting clarifier floor. tested ok 5740 Espanola STP Clarifier #1 Drain down/Inspection -Clean up shop from rebuilding gearbox 5740 Espanola STP Clarifier #1 Drain down/Inspection - Upon inspection the following work needed to be completed: <ul style="list-style-type: none"> • repair scrapper assembly • remove and rebuild upper drive unit. New bearings and seals

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
345722	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	CORR	REFURBISH/REPLACE/REPAIR	0		5740 OERT Genset electrical work	CLOSE		6/5/17 12:23 PM	6/5/17 12:23 PM	electrical - battery dead and battery tender not working... not rubber mat under battery and mount was not installed. - found GFCI tripped so no power was going to battery tender and drained battery to 0V. - replaced battery and rubber mat and fastened down - changed GFI to regular receptacle and locked so only generator can be plugged in.
215133	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	1/1/17 12:00 AM	1/6/17 09:26 AM	1/6/17 09:26 AM	Diesel Generator OERT Inspection/ Functional Test (1m) 5740 -Tested OERT generator for 1.5 hours and it ran within normal operating parameters with 5/8 tank of fuel left.
215162	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	1/1/17 12:00 AM	1/9/17 12:55 PM	1/9/17 12:55 PM	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740 -Ran generator for 1.5 hours and it ran within normal operating parameters.
244993	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	2/1/17 12:00 AM	3/1/17 01:58 PM	3/1/17 01:58 PM	inspection -after thorough inspection all is running well.
245015	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	2/1/17 12:00 AM	3/1/17 02:02 PM	3/1/17 02:02 PM	-after thorough inspection all is running well.
267255	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	3/1/17 12:00 AM	4/4/17 11:35 AM	4/4/17 11:35 AM	inspection -generator tested march 8 by valls . all is running well .

Workorder Summary Report

Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
511281	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	APPR	11/1/17 12:00 AM			
544877	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/Functional Test (1m) 5740	COMP	12/1/17 12:00 AM	12/21/17 10:45 AM	12/21/17 10:45 AM	-Generator test complete .
544899	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	COMP	12/1/17 12:00 AM	12/21/17 10:49 AM	12/21/17 10:49 AM	-Generator test complete .
411449	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	8/1/17 12:00 AM	9/4/17 11:13 AM	9/4/17 11:13 AM	-inspections and functional test complete.
442206	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/Functional Test (1m) 5740	APPR	9/1/17 12:00 AM			
442228	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	APPR	9/1/17 12:00 AM			
475167	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/Functional Test (1m) 5740	APPR	10/1/17 12:00 AM			
475189	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	APPR	10/1/17 12:00 AM			
511259	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/Functional Test (1m) 5740	CLOSE	11/1/17 12:00 AM	11/29/17 03:21 PM	11/29/17 03:21 PM	-Diesel generator tested for the month of Nov 2017. Generator needs fuel for winter running testing.
348339	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	6/1/17 12:00 AM	6/29/17 09:59 AM	6/29/17 09:59 AM	-inspection and test completed. generator working well .
365270	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	YEARS	Diesel Generator 2006 Portable Inspection/Functional Test (1y) 5740	APPR	6/1/17 12:00 AM			
365822	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	YEARS	Diesel Generator OERT Inspection/Functional Test (1y) 5740	APPR	6/1/17 12:00 AM			

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
380272	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	7/1/17 12:00 AM	8/1/17 08:43 AM	8/1/17 08:43 AM	-generator test complete.
380294	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	7/1/17 12:00 AM	8/1/17 08:45 AM	8/1/17 08:45 AM	-generator test complete.
411427	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	8/1/17 12:00 AM	8/15/17 01:51 PM	8/15/17 01:51 PM	-Tested Generator start up and ran for 30 mins. All good.
267277	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	3/1/17 12:00 AM	4/4/17 11:38 AM	4/4/17 11:38 AM	-After thorough inspection all is running well.
291700	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	4/1/17 12:00 AM	4/25/17 10:45 AM	4/25/17 10:45 AM	-could not conduct test , generator is not functioning , management has bin notified .
291722	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	4/1/17 12:00 AM	4/25/17 10:51 AM	4/25/17 10:51 AM	-performed inspection , generator is not running , management has bin notified.
317916	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	5/1/17 12:00 AM	5/23/17 10:55 AM	5/23/17 10:55 AM	-portable generator functioning well.
317944	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	5/1/17 12:00 AM	5/23/17 10:57 AM	5/23/17 10:57 AM	-portable generator inspection complete . generator is working good .
348317	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	6/1/17 12:00 AM	6/29/17 09:58 AM	6/29/17 09:58 AM	-generator tested to water plant and working well.

Workorder Summary Report

Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
439888			5740, Bois St. Sewage Pumping Station, Process	CORR	REFURBISH/ REPLACE/ REPAIR	0		5740 Bois ST SPS Pump #1 fail	CLOSE		9/22/17 10:15 AM	9/22/17 10:15 AM	5740 Bois ST SPS Pump #1 fail -Called by Kyle that Pump #1 was tripped out on overload. Confined space entry with Dillon and Kyle, Drained and pulled pump out of volute. found no obstruction. impeller turned freely. Bump tested and found pump motor electrically failed electrical - Aug 21 2017 asked to investigate why pump was tripping. contactor had burnt the center phase, ordered a new one to replace and will install once received. electrical -received and installed new contactor

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
439886			5740, Merrit Sewage Pumping Station, Facility	CORR	REFURBISH/ REPLACE/ REPAIR	0		5740 MERRIT ST SPS PUMPS RUNNING CONSTANTLY	APPR				5740 MERRIT ST SPS PUMPS RUNNING CONSTANTLY -Called by Kyle to check pump operation at Merrit st sps. found pumps sucking well down to bottom, then milltronics loses the echo causing other pump to kick on, Confined space entry to inspect milltronics sensor. Cleaned sensor and tested ok. Later received a call that pumps were malfunctioning again 5740 MERRIT ST SPS PUMPS RUNNING CONSTANTLY -Pump#1 was turned on recently to test for functionality but after 2 runs was sending high water level signals turning on both pumps so it was put back in off and manager/ ORO and primary operator were informed.

Workorder Summary Report

Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
													summary of troubleshooting - 10am #2 off #1 auto #1 started at 2.5, ran for 15-20 seconds with level not moving. Turned pump 2 on for 10 seconds and level dropped to 2.4, turned pump 2 off and 1 continued to run. Let 1 run for approx 1 min observing level going down very slowly.. let run for another minute and shut off, shortly after #1 was shut off level dropped to 1.8 over 10-15 seconds... it appears while #1 is running the level value is being held. 10:07 Turned #1 to auto with level at 2.17, immediately went to 2.25 then to 2.31 after a 5-10 seconds.. let run for 20 seconds then shut off and level dropped to 1.89 after drive had shut down for a few seconds.

Workorder Summary Report

Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
													<p>Started #2 in auto with level at 1.94</p> <p>And level gradually dropped like it should.</p> <p>Definitely a problem while running pump #1</p> <p>Pump stopped around 10:14am.. approx 3-4 min run time</p> <p>10:20am</p> <p>Switched wiring in multi ranger so relay 1 controls pump 2, and relay 2 controls pump #1</p> <p>Pump #1 started at 10:16 at 2.5, level immediately jumped to 2.57, started #2 to avoid high alarm and shut off #1... approx 5 seconds after shutting down #1 level dropped to 2.4 then to 2.1 in about 10 seconds. Shut #2 down.. both pumps off.</p> <p>Issue does not lay in the relay.</p> <p>Started #1 at 10:30 in auto.. level went from 2.18 to 2.3... let run for 30 seconds then shut down, level at 2.18 after drive shut off.</p>

Workorder Summary Report

Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
													<p>Ran pump on generator but didn't make any difference.</p> <p>Checked wiring for defects i.e shielding terminations, run beside 600v conductors, broken or frayed wiring but no obvious issues were found.</p> <p>I suggest installing a new sensing head with a fulllength cable to eliminate splices between sensing head and multiranger.</p> <p>meeting with sales rep - Nov 29 2017, met with salesperson from Chess controls and technician from Siemens: Siemens technician could not find any serious flaws but suggested we make a few minor changes such as moving the signal cable as far away from the 600V cables as possible and fixing a couple terminations. will schedule a day to confined space entry and fix issues.</p>

Workorder Summary Report

Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
													sensor relocation - Jan 16 2018 confined space entry. asked kevin for assistance to watch the level in the well because the auto function was disabled because I un-wired the sensor. repositioned sensor wiring as far away as possible from current carrying conductors. mounted 3 straps in well to re-route cable. shortened wiring in jb and moved away from float switch wiring.. removed from terminal blocks and use wire connectors to eliminate a bad connection on the terminal block. went over wiring in other junction boxes and checked wiring in milltronics... all seem ok. problem still there when running pump #1. will talk to suppliers and co workers on ideas of what to further look for. Pump #1 left powered on but switched off. pump #2 running ok in the auto position. inspection - January 30 2018 looked into sensor wiring routing to see if it came near the 600Vconductors or any other conductors that would cause interference. had an emergency call to head to so packed up and will carry on inspection another day.

Workorder Summary Report

Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
241394	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	CAP	REFURBISH/ REPLACE/ REPAIR	0		5740 Merrit Lift Station Generator Faulting after generator test	CLOSE		4/3/17 11:20 AM	4/3/17 11:20 AM	5740 Merrit Lift Station Generator Faulting after generator test -Merrit lift station backup generator has been going into a fault situation about 2 to 4 hours after each generator test for the past 2 generator checks, so Total Power has been called in to troubleshoot issue. Faults are in regard to low water temperature but heating block is clearly still working when operator arrives. -Installed new coolant Temperature sensor. Will see if that fixes the problem as concluded by Total Power upon their onsite troubleshooting.
243201	0000227600	FAN EXHAUST MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	CALL	REFURBISH/ REPLACE/ REPAIR	0		5740 Merrit lift station low building temperature call out	CLOSE		1/21/17 04:20 PM	1/21/17 05:20 PM	5740 Merrit lift station low building temperature call out -Received call from True Steel @ 16:00 for low building temperature, upon reviewing trends it showed that the generator did not turn on and pumps were running as should. Arrived on site @ 16:37 and found that the exhaust fan was running and would not shut off. Played with thermometer and breaker but fan would not work properly so the breaker was left off to keep building warm and made sure heater was working. Will inform manager.

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
509868	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	CALL	REFURBISH/ REPLACE/ REPAIR	0		5740 Merrit lift station generator failure call out	CLOSE		10/27/17 11:30 PM	10/28/17 01:00 AM	5740 Merrit lift station generator failure call out -Received call @22:43 for general alarm at Merrit lift station and upon reviewing trends it was found there was no abnormal data. Operator checked trends sometime later and it was displaying all the same data indicating the data was frozen so the operator responded to the call. Arrived onsite @00:03 and there was no power to the lift station and the atmospheric temperature as well as the equipment was very hot. The ATS showed no hydro/normal power available and was connected to the emergency power/generator and generator overheated and faulted out. Doors of facility were opened to cool equipment down for 10min and then generator was started up and facility regained powered. Pump number one is still off so pump #2 was monitored for a couple pump runs and exhaust fan was turned back on to avoid overheating equipment and will need to be fixed before weather gets too cold.

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
509873	0000227600	FAN EXHAUST MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	CORR	REFURBISH/ REPLACE/ REPAIR	0		5740 Merrit lift station exhaust fan wont shut off	CLOSE		12/14/17 10:42 AM	12/14/17 10:42 AM	5740 Merrit lift station exhaust fan wont shut off -Operators have received several calls for low building temp. at Merrit lift station and when arrived onsite it was found that the exhaust fan is not shutting off as should so it was shut off at the breaker to prevent nuisance calls but then the generator turned on while fan was shut off and itself went into a overheating fault. Fan needs to be fixed asap. fixed wiring issue. - Operator reported that generator shut down on high temp because exhaust fan was not running. Investigation found that there was a flaw in the wiring which would inhibit the exhaust fan from starting while the generator was running. Made a change to the wiring so the exhaust function (fan and louver) works on heat and is not tied into generator running. Small set of louvers still works of generator running (open up when generator starts for air intake)
544945	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	12/1/17 12:00 AM	12/21/17 11:52 AM	12/21/17 11:52 AM	-Generator test complete .
365786	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	APPR	6/1/17 12:00 AM			

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
380342	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	7/1/17 12:00 AM	8/1/17 08:49 AM	8/1/17 08:49 AM	-generator test complete . ran generator to plant everything ran well.
411495	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	8/1/17 12:00 AM	9/4/17 11:17 AM	9/4/17 11:17 AM	-tested generator to lift station . Everything working well .
442274	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	APPR	9/1/17 12:00 AM			
475237	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	APPR	10/1/17 12:00 AM			
511329	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	11/1/17 12:00 AM	12/7/17 10:50 AM	12/7/17 10:50 AM	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740 -Generator was tested during a call out and it ran within normal operating parameters with a low level in tank and fuel has been ordered. Operator noticed that the generator appears to running about 10 hours a month and on a call out there was no power to the station but seemed like the rest of the street had power and there appears to be no issues with the ATS but it was noticed some branches were touching power lines feeding the lift station.
215221	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	1/1/17 12:00 AM	1/10/17 03:27 PM	1/10/17 03:27 PM	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740 -Tested generator for 2 hours and it ran within normal operating parameters but afterwards went into a fault situation about 2 to 4 hours later and will be replacing coolant temp. sensor.
245064	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	2/1/17 12:00 AM	3/1/17 02:08 PM	3/1/17 02:08 PM	inspection -after thorough inspection all is running well.

Workorder Summary Report

Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
267341	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	3/1/17 12:00 AM	4/4/17 11:43 AM	4/4/17 11:43 AM	inspection -inspected by valls on march 8. all is running well.
291773	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	4/1/17 12:00 AM	4/25/17 10:55 AM	4/25/17 10:55 AM	-inspecting and testing complete . all is running well.
317990	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	5/1/17 12:00 AM	5/23/17 11:05 AM	5/23/17 11:05 AM	-Generator test complete. Generator working well. Fuel level is good(14") . Hour meter is at 131.
348392	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	6/1/17 12:00 AM	6/29/17 10:04 AM	6/29/17 10:04 AM	-tested generator to building . inspected generator . everything is working well .
577765	0000258520	VALVE BACKFLOW TOP OF RAS PUMP ESPANOLA WWTP	5740, Espanola WWTP	PM	REFURBISH/REPLACE/REPAIR	1	YEARS	Backflow Preventer Ras Inspection (1y) 5740	COMP	1/10/18 12:00 AM	1/17/18 02:50 PM	1/17/18 02:50 PM	Backflow Preventer Ras Inspection (1y) 5740 -Completed Annual Backflow Preventer inspection
577770	0000258522	VALVE BACKFLOW DIGESTER ROOM ESPANOLA WWTP	5740, Espanola WWTP	PM	REFURBISH/REPLACE/REPAIR	1	YEARS	Backflow Preventer Digester Inspection (1y) 5740	COMP	1/10/18 12:00 AM	1/17/18 02:59 PM	1/17/18 02:59 PM	Backflow Preventer Digester Inspection (1y) 5740 -Completed Annual backflow inspection
577780	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	1/10/18 12:00 AM	1/17/18 03:07 PM	1/17/18 03:07 PM	Backflow Preventer Tunnel Inspection (1y) 5740 -Completed Annual Backflow Preventer Inspection
241657	0000258520	VALVE BACKFLOW TOP OF RAS PUMP ESPANOLA WWTP	5740, Espanola WWTP	PM	REFURBISH/REPLACE/REPAIR	1	YEARS	Backflow Preventer Ras Inspection (1y) 5740	CLOSE	1/10/17 12:00 AM	1/12/17 02:28 PM	1/12/17 02:28 PM	Backflow Preventer Ras Inspection (1y) 5740 -Completed annual Testing and Report
241662	0000258522	VALVE BACKFLOW DIGESTER ROOM ESPANOLA WWTP	5740, Espanola WWTP	PM	REFURBISH/REPLACE/REPAIR	1	YEARS	Backflow Preventer Digester Inspection (1y) 5740	CLOSE	1/10/17 12:00 AM	1/12/17 02:13 PM	1/12/17 02:13 PM	Backflow Preventer Digester Inspection (1y) 5740 -Completed Annual Testing and completed report

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
241672	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	CLOSE	1/10/17 12:00 AM	1/12/17 02:20 PM	1/12/17 02:20 PM	Backflow Preventer Tunnel Inspection (1y) 5740 -Completed Annual Testing and Report
577785	0000258521	VALVE BACKFLOW FERRIC ROOM ESPANOLA WWTP	5740, Espanola WWTP	PM	REFURBISH/REPLACE/REPAIR	1	YEARS	Backflow Preventer Ferric Inspection (1y) 5740	COMP	1/10/18 12:00 AM	1/17/18 03:04 PM	1/17/18 03:04 PM	Backflow Preventer Ferric Inspection (1y) 5740 -Completed Annual Backflow Preventer Inspection
543348			Espanola Wastewater Treatment Plant	CORR	REFURBISH/REPLACE/REPAIR	0		5740 Espanola STP Clarifier Gear Box Bearing Rebuild	COMP		12/22/17 09:56 AM	12/22/17 09:56 AM	5740 Espanola STP Clarifier Gear Box Bearing Rebuild -Onsite to inspect Clarifier #2 drive gear not working. Found Bearings worn out and worm gear not making contact. Ordered parts from Wajax on November 29/ 17. Put call in to Spec and sons to repair 5740 Espanola STP Clarifier Gear Box Bearing Rebuild -Finished assembling clarifier gear box after rebuild, Clear ice from clarifier. Put back into operation. Tested OK
264742			Espanola Wastewater Treatment Plant	CAP	REFURBISH/REPLACE/REPAIR	0		5740 ESP WWTP replace Battery in emergency light	CLOSE		10/19/17 02:22 PM	10/19/17 02:22 PM	
292534	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	APPR	4/1/17 12:00 AM			
292561	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	APPR	4/1/17 12:00 AM			
292598	0000227607	DEHUMIDIFIER TUNNEL	5740, Espanola WWTP, Facilities, HVAC, Air Handling Units and Dehumidifiers	PM	REFURBISH/REPLACE/REPAIR	1	YEARS	Dehumidifier Inspection (1y) 5740	APPR	4/1/17 12:00 AM			

Workorder Summary Report

Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
292614	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	APPR	4/1/17 12:00 AM			
476037	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	APPR	10/1/17 12:00 AM			
409699	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP, Facilities, Power Generation	CALL	REFURBISH/REPLACE/REPAIR	0		5758/Espanola WTP Power Outage call out	CLOSE		7/23/17 06:15 AM	7/23/17 02:00 PM	5758/5740 Espanola Operations Power Outage -Received call at 06:00 for multiple alarms at Espanola WTP and for power failure at STP. Arrived at STP at 06:15 and reset faulted equipment and headed to the WTP. When there, operator noticed many alarms active so they were all acknowledged and a plant check was performed which showed that the LLPs were not turning on at the cleawell level set point. They would not run in PLC but could be operated in SCADA control. So LLPs were operated manually and a plant check was performed which showed all the equipment was functioning normally. Meritt lift station was then checked with no issues. When facility was visited again the LLP did not shut off at the clearwell level set point so it was manually shut off at 99%. After power outage a plant check was performed again and all equipment was running as should. It was found that there is written code that will not allow a HLP and a LLP to run at the same time while the generator is running. Other operators were informed so the same mistake is not made. Went back to STP and reset faulted out equipment. Left facility at 13:40.

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
439221	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	CALL	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola STP power outage call out	CLOSE		7/23/17 06:00 AM	7/23/17 02:00 PM	5740 Espanola STP power outage call out -Received call from Espanola STP when the power outage began and ended and went to facility both times to reset faulted equipment and to perform a plant check.
440925	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	CALL	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola STP power outage call out	CLOSE		8/29/17 09:45 PM	8/29/17 11:30 PM	5740 Espanola STP power outage call out -Received call @21:00 for power failure and arrived @22:30. Upon arrival faulted out equipment including: both clarifiers, both RAS pumps, both blowers, grit removal system and inlet building heating were all reset and running as should.
215187	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	1/1/17 12:00 AM	1/9/17 12:57 PM	1/9/17 12:57 PM	Diesel Generator Inspection/ Functional Test (1m) 5740 -Ran emergency generator for 1.5 hours and it ran within normal operating parameters with 5/8 tank of fuel left.
245037	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	2/1/17 12:00 AM	3/1/17 02:05 PM	3/1/17 02:05 PM	inspection -after thorough inspection all is running well.
411471	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	8/1/17 12:00 AM	9/4/17 11:16 AM	9/4/17 11:16 AM	-test generator to plant . everything working well .
442250	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	APPR	9/1/17 12:00 AM			
475211	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	10/1/17 12:00 AM	11/29/17 03:19 PM	11/29/17 03:19 PM	-Diesel generator tested for the month of October 2017
511303	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	APPR	11/1/17 12:00 AM			
544921	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	COMP	12/1/17 12:00 AM	12/21/17 11:51 AM	12/21/17 11:51 AM	-Generator test complete .

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
267311	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	3/1/17 12:00 AM	4/4/17 11:41 AM	4/4/17 11:41 AM	inspection -after thorough inspection all is running well.
291744	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	4/1/17 12:00 AM	4/25/17 10:53 AM	4/25/17 10:53 AM	-generator inspection and testing complete. all is running well .
317966	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	5/1/17 12:00 AM	5/23/17 11:01 AM	5/23/17 11:01 AM	-Generator inspection complete . Generator working good. Fuel levels are good (5/8 and 3/4). Generator hour meter at 363.6 .
348368	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	6/1/17 12:00 AM	6/29/17 10:02 AM	6/29/17 10:02 AM	-ran generator to building . inspected generator. everything is running well .
365498	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	YEARS	Diesel Generator Inspection/ Functional Test (1y) 5740	APPR	6/1/17 12:00 AM			
380316	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	7/1/17 12:00 AM	8/1/17 08:47 AM	8/1/17 08:47 AM	-generator test complete. ran generator to plant everything ran well.
472854			5740, Espanola WWTP, Process	CAP	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola STP Online DO Monitor	CLOSE		11/17/17 12:15 PM	11/17/17 12:15 PM	5740 Espanola STP Online DO Monitor -Purchase only of online dissolved oxygen monitor for sewage treatment plant aeration system. Consists of four optical sensors and one controller.
314751	0000143084	SCREEN BAR	5740, Espanola WWTP, Process, Headworks	CAP	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola STP Bar Screen Rebuild	APPR				5740 Espanola STP Bar Screen Rebuild -Complete rebuild of the raw sewage bar screen. Replacing all moving parts and electrical components. Cost of new unit is approx. \$125,000 plus installation.

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
346326	0000143084	SCREEN BAR	5740, Espanola WWTP, Process, Headworks	CORR	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola WWTP Bar Screen Controls	CLOSE		7/10/17 09:09 AM	7/10/17 09:09 AM	electrical - • Millronics level sensing device not working properly... bar screen set to cycle every 10 mins until unit is fixed • found sensor to be dirty and wiring not correct. • repaired issues and testing to make sure system works as it should.
292588	0000143081	CONVEYOR SCREW GRIT	5740, Espanola WWTP, Process, Headworks	PM	REFURBISH/ REPLACE/ REPAIR	1	YEARS	Conveyor Inspection (1y) 5740	APPR	4/1/17 12:00 AM			
509360	0000143799	ANALYZER PH LABORATORY ESP WWTP	5740, Espanola WWTP, Process, Process Control and Monitoring, Laboratory	CORR	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola STP portable DO probe replacement	APPR				5740 Espanola STP portable DO analyzer replacement -Portable dissolved oxygen probe on DO analyzer is reading very inaccurately and unstable and will need to be replace. Made attempts to calibrate the analyzer, changed the I button/sensor cap and was sent back into Hach for warranty covered repairs but after one week the unit failed again and is no longer covered under warranty. In process of getting a quote.
241677	0000258521	VALVE BACKFLOW FERRIC ROOM ESPANOLA WWTP	5740, Espanola WWTP	PM	REFURBISH/ REPLACE/ REPAIR	1	YEARS	Backflow Preventer Ferric Inspection (1y) 5740	CLOSE	1/10/17 12:00 AM	1/12/17 02:35 PM	1/12/17 02:35 PM	Backflow Preventer Ferric Inspection (1y) 5740 -Completed annual testing and report

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
241620			5740, Espanola WWTP	CORR	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola STP East Clarifier Motor drive Bearing Failure	CLOSE		1/20/17 12:32 PM	1/20/17 12:32 PM	5740 Espanola STP East Clarifier Motor drive Bearing Failure -Removed top Gear box and drive motor on East Clarifier, Bearing Failed on output of gearbox. Installed new gear box that was in stock at the plant. Refit motor. tested ok. Ordered new bearings for old gearbox 5740 Espanola STP East Clarifier Motor drive Bearing Failure -Disassembled and rebuilt gearbox with new bearings
538844	0000143114	PUMP SUBMERSIBLE NEXT TO DIGESTER	5740, Espanola WWTP, Facilities, Building and Grounds	CAP	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola STP Supernatant Pump Replacement	COMP		2/23/18 08:58 AM	2/23/18 08:58 AM	5740 Espanola STP Supernatant Pump Replacement -Replacement of supernatant pump for the digester system. 5740 Espanola STP Supernatant Pump Replacement -Pick up and deliver pump to ESP STP
245201	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	REFURBISH/ REPLACE/ REPAIR	1	YEARS	UV Reactor Inspection (1y) 5740	CLOSE	2/1/17 12:00 AM	3/1/17 02:15 PM	3/1/17 02:15 PM	inspection -after thorough inspection all is running well.
243300	0000143110	TANK PROCESS DIGESTER AEROBIC NORTH	5740, Espanola WWTP, Process, Solids Handling	CORR	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola STP N. digester supernant valve repair	CLOSE		1/31/17 02:46 PM	1/31/17 02:46 PM	5740 Espanola STP N. digester supernant valve repair -Bolt holding stem to supernant valve piping has broken and will need to be replaced or we cannot supernant in north digester. -assist dillon with repairs 5740 Espanola STP N. digester supernant valve repair -Bolt has been replaced and supernant valve is working correctly again.

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
265051	0000143078	TANK PROCESS AERATION AIR LIFT	5740, Espanola WWTP, Process, Secondary Treatment, Air Lift Tank	CORR	REFURBISH/REPLACE/REPAIR	0		5740 Espanola WWTP replace improper JB's	COMP		3/6/18 02:43 PM	3/6/18 02:43 PM	electrical - Feb 28 2018 junction boxes were not the proper type of enclosure for the area. purchased and installed 2 explosion proof junction boxes.. see pictures attached of before and after.
377097	0000294006	BLOWER POSITIVE DISPLACEMENT 02 AERATION	5740, Espanola WWTP, Process, Secondary Treatment, Blower 1	CALL	REFURBISH/REPLACE/REPAIR	0		5740 Espanola WWTP power bump/ equipment failure	CLOSE		6/15/17 06:15 PM	6/15/17 07:15 PM	5740 Espanola WWTP power bump/ equipment failure -Received call @ 18:11 from auto dialer for PLC failure, arrived onsite @ 18:30 and did a plant check and had to reset aeration blower due to under voltage, and reset inlet room equipment. Left facility @ 17:00.
531216	0000294007	BLOWER POSITIVE DISPLACEMENT 03 AERATION DIGESTER	5740, Espanola WWTP, Process, Secondary Treatment, Blower 3	PM	REFURBISH/REPLACE/REPAIR	1	YEARS	BLOWER POSTIVE DISPLACEMENT 03 OIL CHANGE (1Y) 5740	APPR	11/1/17 12:00 AM			
543121	0000143096	MOTOR AC GEAR DRIVE CLARIFIER 01	5740, Espanola WWTP, Process, Secondary Treatment, Clarifier 1	CORR	REFURBISH/REPLACE/REPAIR	0		5740 Espanola STP clarifier #1 and #2 failure	CLOSE		11/28/17 10:43 AM	11/28/17 10:43 AM	5740 Espanola STP clarifier #1 and #2 failure -While visiting STP for a facility check it was noticed that both clarifier arms were not moving and after investigating further it was found that clarifier#1 chain had fallen off and set screw was loose on the spigot. Clarifier #2 had a large amount of water frozen in the safe guard of chain drive. Chain was put back in place and spigot was put back in place and set screw tightened. Clarifier #2 had ice melted and a drain hole was made to prevent freezing again. New set screws and shear pins will need to be purchased as well as another spare chain.
349176	0000143094	TANK PROCESS 01 CLARIFIER	5740, Espanola WWTP, Process, Secondary Treatment, Clarifier 1	PM	REFURBISH/REPLACE/REPAIR	1	YEARS	Clarifier Inspection (1y) 5740	APPR	6/1/17 12:00 AM			

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
349162	0000143091	TANK PROCESS 02 CLARIFIER	5740, Espanola WWTP, Process, Secondary Treatment, Clarifier 2	PM	REFURBISH/REPLACE/REPAIR	1	YEARS	Clarifier Inspection (1y) 5740	APPR	6/1/17 12:00 AM			
344617	0000143005	PUMPCENT RAS 01	5740, Espanola WWTP, Process, Secondary Treatment, RAS Pump 1	CAP	REFURBISH/REPLACE/REPAIR	0		5740 Espanola WWTP RAS PUMP REBUILD	CLOSE		7/11/17 03:21 PM	7/11/17 03:21 PM	5740 Espanola WWTP RAS PUMP REBUILD -Rebuild of one return activated sludge pump. Includes installation of new impellor and pump liner. Pumps are currently plugging on a regular basis and need to be rebuilt. 5740 Espanola WWTP RAS PUMP REBUILD -Shut Down RAS pump #1. Remove motor and pump housing. Remove and replace Impeller and Volute Housing. set clearances for impeller. Reassemble pump housing. Reinstall motor. line up shafts. Test pump. Ok
472798	0000143005	PUMPCENT RAS 01	5740, Espanola WWTP, Process, Secondary Treatment, RAS Pump 1	OPER	REFURBISH/REPLACE/REPAIR	0		5740 Espanola STP RAS pump coupling replacement and realignment	CLOSE		9/20/17 03:36 PM	9/20/17 03:36 PM	5740 Espanola STP RAS pump coupling replacement and realignment -All 3 RAS pumps kept running in high load and were making some abnormal sounds as well as abnormal heat. When couplings were inspected all were badly damaged and drive shaft/coupling were not aligned as much as they should be. Couplings were replaced on all RAS pumps and all were realigned and ran for a bit. No abnormal sounds, heat or vibrations were coming from pumps and are running at lower loads.

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
472800	0000143005	PUMPCENT RAS 01	5740, Espanola WWTP, Process, Secondary Treatment, RAS Pump 1	CAP	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola STP purchase of spare RAS pump coupling	CLOSE		10/13/17 01:54 PM	10/13/17 01:54 PM	5740 Espanola STP purchase of spare RAS pump coupling -All 3 spare couplings were used on RAS pumps and spare ones will need to be purchased. 5740 Espanola STP purchase of spare RAS pump coupling -Spare coupling inserts have come in and are on site.
472397	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	CAP	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola STP UV Lamp Replacement	CLOSE		11/17/17 12:15 PM	11/17/17 12:15 PM	5740 Espanola STP UV Lamp Replacement -18 UV Lamps to replace expired lamps in service.
439776	0000294009	5740 Espanola Confined Space Trailer	5740, Espanola WWTP	CORR	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola WWTP confined space trailer	CLOSE		9/7/17 04:23 PM	9/7/17 04:23 PM	confined space trailer repair - aug 9 2017 repaired electrical short in wiring harness that was blowing fuses in truck. repaired damage on underside of rear of trailer.. was dragged on ground.. screwed back into place.
471140			5740, Espanola WWTP	CORR	REFURBISH/ REPLACE/ REPAIR	0		5740, Espanola WWTP UPS battery replacement	CLOSE		12/14/17 10:25 AM	12/14/17 10:25 AM	UPS failed - Aug 29 2017 UPS battery failed.. looked into ordering a new one ups repair -purchased and installed a new battery.. repaired UPS

Workorder Summary Report

 Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
578070			5740, Espanola WWTP	CORR	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola WWTP Tunnel Heater install	CLOSE		12/11/17 04:10 PM	12/11/17 04:10 PM	heater - Dec 8 2017 operator asked me for assistance on turning heaters on in tunnel. the door and to be adjusted on the 600V disconnect before it could be turned on. the other required a thermostat adjustment. the third heater is missing so a new heater will have to be purchased and installed. heater details: 600V 3ph 5KW complete -sufficient heat as per manager..completed work order
580139			5740, Espanola WWTP	CORR	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola WWTP Furnace repair	COMP		1/31/18 01:36 PM	1/31/18 01:36 PM	electrical - Dec19 2017 furnace was not working in the main building. found thermostat to be not functional. used parts from stock to replace thermostat and box. picked up material - Dec 22,2017 picked up materials from Nedco to replace stock used.

Workorder Summary Report

Report Start Date: Jan 1, 2017 12:00 AM
 Report End Date: Dec 31, 2017 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
288832			5740, Espanola WWTP	CORR	CALIBRATION	0		5740 Espanola WWTP Effluent Ph Analyzer bad reading	CLOSE		9/7/17 04:12 PM	9/7/17 04:12 PM	5740 ESP WWTP Effluent Ph Analyzer bad reading - operator reported Effluent Ph Analyzer reporting a different reading to wonderware than actual reading on device. Device: Ph 7 Wonderware: Ph 14 electrician to troubleshoot/repair bad reading. no asset assigned to device so will work on getting one on it. Effluent Ph Analyzer reporting bad reading to wonderware - Reading on Ph Analyzer reads 7 while wonderware is indicating 14. Operator cleaned device but noticed no change. Electrician to Troubleshoot/Repair closed wo - Sep 7 2017 operator informed me that if the probe is regularly cleaned than there is no further action required.
578327			5740, Espanola WWTP, Process, Solids Handling	CAP	ADMINISTRATI	0		5740 Espanola STP, Biosolids Feasibility Study	APPR				5740 Espanola STP, Biosolids Feasibility Study -Feasibility study to determine the best direction for the Town of Espanola to take with regards to becoming self sufficient in processing biosolids.