

Espanola Water Pollution Control Plant

Annual Operating Report

*ECA 2162-9NYL7Z
Issued September 22, 2014*

January 1, 2016 – December 31, 2016

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 2016 reporting period.

The total effluent discharge from the Sewage Treatment Plant for the year was 1,171,385m³.

The total raw sewage flow into the Sewage Treatment Plant for the year was calculated to be 1,171,385m³.



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)	36	109	226
TSS (mg/L)	Weekly	24hr Composite – External Analysis (Lab)	27	144.2	583
TP (mg/L)	Weekly	24hr Composite – External Analysis (Lab)	0.66	2.34	6.8
TKN (mg/L)	Weekly	24hr Composite – External Analysis (Lab)	10	17.74	47.3
Alkalinity (mg/L as CaCO ₃)	Weekly	24hr Composite – External Analysis (Lab)	66	94.7	151
Flow (m ³ /d)	Daily	Flow meter	1,672	3,200	8,572

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	3.0	10.13	7.0	23.64	0.135	0.456	0.100	0.338	6.93	7.29
February	2.8	10.09	10.8	39.43	0.208	0.763	0.100	0.367	6.91	7.15
March	2.8	11.01	6.6	25.94	0.118	0.464	0.100	0.393	6.85	7.17
April	2.5	9.09	2.3	8.18	0.048	0.175	0.100	0.364	6.89	6.99
May	6.5	27.74	3.5	11.71	0.035	0.117	0.275	0.919	7.03	7.41
June	3.4	10.64	6.0	18.78	0.102	0.319	0.600	1.880	7.10	7.37
July	2.0	5.77	4.3	12.26	0.070	0.202	0.300	0.866	6.93	7.44
August	2.5	7.42	9.3	27.45	0.125	0.371	0.450	1.340	7.12	7.45
September	2.3	6.49	9.2	25.54	0.105	0.293	2.017	5.620	6.32	7.54
October	2.5	7.00	6.5	18.20	0.093	0.260	1.900	5.320	6.92	7.44
November	4.3	11.52	12.0	32.52	0.118	0.319	0.950	2.570	6.58	7.23
December	2.6	8.28	5.8	18.46	0.084	0.267	0.900	2.860	7.06	7.16
Max	6.5	27.74	10.75	32.52	0.208	0.763	2.017	5.62		7.54
Average	3.154	13.18	6.933	21.84	0.104	0.329	0.616	11.42		
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

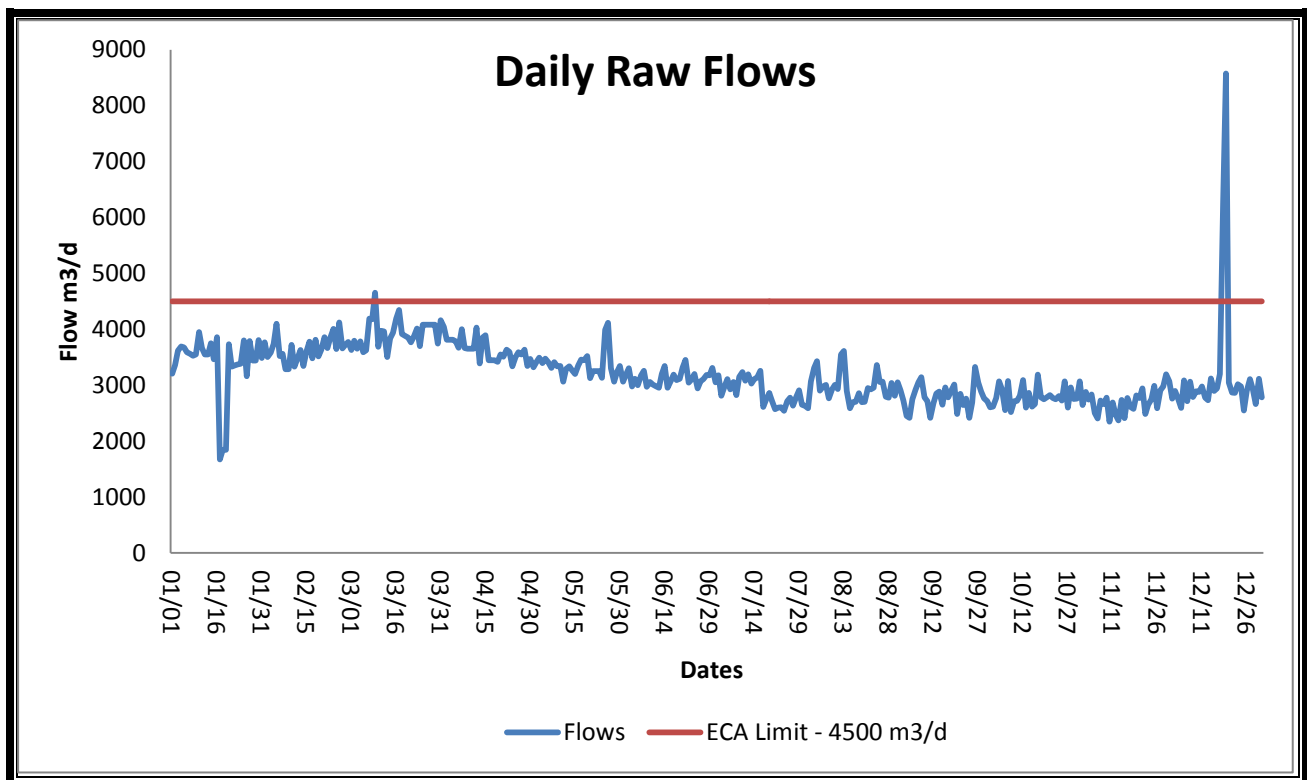
Additional Effluent Monitoring Samples								
Month	Nitrate		Alkalinity		*E.Coli		Temperature	
	Max	Avg	Max	Avg	Max	Avg	Max	Avg
January	8.67	8.305	23	16.75	2	2.0	23	21.2
February	8.62	8.125	16	13.25	4	2.4	22	20.1
March	8.52	7.364	19	15.8	6	2.6	23.9	22.32
April	8.45	7.833	15	12	2	2.0	21.3	21.13
May	7.98	7.203	23	19.75	2	2.0	22	20.15
June	8.53	7.234	35	28.8	6	2.5	22.4	19.08
July	9.15	8.633	23	20.75	82	5.1	21	19.63
August	8.59	7.663	27	26.25	4	2.4	21.3	19.55
September	69.5	18.857	33	23.17	6	3.3	21.2	19.28
October	10.7	9.98	50	33.75	208	13.2	20.4	21.3
November	10.9	9.008	45	26.5	17	3.3	21.6	20.43
December	9.43	8.162	44	27.6	16	3.5	18.4	14.32

* 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	104,701	3,377.45	3,951	104,701
February	106,368	3,667.86	4,124	106,368
March	121,855	3,930.81	4,652	121,855
April	109,087	3,636.23	4,044	109,087
May	103,689	3,344.81	4,113	103,689
June	93,885	3,129.50	3,451	93,885
July	89,459	2,885.77	3,260	89,459
August	91,986	2,967.29	3,612	91,986
September	83,574	2,785.80	3,325	83,574
October	86,801	2,800.03	3,188	86,801
November	81,303	2,710.10	3,195	81,303
December	98,677	3,183.13	8,572	98,677
Total	1,171,385			1,171,385
Average		3,200.51		
Maximum			8,572	





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
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%
2013	1,097,337.7	3,014.66	4,718	67%

The average flows measured into the sewage treatment plant did not exceed the specified average daily flow of 4500 m³/day in 2016.

The average daily flow for 2016 is 3200.51m³/d which is approximately 71% of the rated capacity. The highest recorded peak flow occurred in December (8,572 m³/d) and was approximately 190% of the average rated capacity, however the peak flow rate specified in the ECA is 12,300 m³/d. The highest recorded flow was 70% of the peak flow rating.

The total raw sewage flow into the Sewage Treatment Plant for the year was calculated to be 1,171,385m³.

The total effluent discharge from the Sewage Treatment Plant for the year was 1,171,385m³.

The average concentrations and loadings for the above parameters were well within the compliance and objective limits specified in the facility ECA. 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 2016 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 2016. 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	Cost
13229	24-Mar-17	<i>Supernatant Valve Repair</i> Bearing assembly in valve needed to be replaced. Ordered two new assemblies from Armtec and installed.	\$3,559.50
29380	28-Jan-17	<i>Broken Waterlines</i> Broken heater caused pipes to freeze and break in the ferric room. Garnets Plumbing and Heating was called to repair the water pipes. A new heating unit fan was also ordered from Garnets. Two portable heating units were purchased from Home Hardware to heat the room until the new unit arrived.	\$1,130.21
29357	10-Feb-16	<i>Emergency Shower Repair</i> Removed and replaced mixing valve and double check valve on emergency shower.	\$1,229.81
62916	16-May-16	<i>Online pH Monitoring Equipment</i>	\$5,002.78
87834	21-June-16	<i>Online pH Equipment Installation</i> Nor-Tech onsite to install pH meter for effluent pH monitoring.	\$5,002.78
N/A	June 2016	<i>PLC Power Supply & UPS Issue</i> Nor-Tech onsite to troubleshoot issue with PLC power supply and UPS issue. Changed a fuse and replaced the UPS.	\$692.46
87403	July 2016	<i>Pressure Transmitter</i> Nor-Tech supplied and installed pressure transmitter.	\$2,936.24
88224	August 2016	<i>Supernatant Pump</i> Low level stop float for supernatant pump is interfering with pump and won't allow it to start. Replaced low level stop floats	\$520.24
105176	17-Aug-16	<i>Hoist Repair</i> The inlet room hoist cable was damaged and needed to be replaced. Hite Services replaced the cable	\$1,093.82
105694	16-Aug-16	<i>PLC Troubleshooting</i> Nor-Tech troubleshoot and repair PLC issues	\$2,665.46
N/A	September	<i>Grit Removal System</i> Ordered new solenoid valve for grit removal system.	\$827.30
3775	22-Sept-16	<i>Bois St. Lift Station Upgrades</i> H K H Electric installed new 60 AMP 600 Volt power feed.	\$6,274.83
171500	25-Oct-16	<i>Inlet Room PLC Failure</i> Nor-Tech replaced power supply and updated PLC program.	\$2,762.31
171501	6-Dec-16	<i>Blower 1</i> New air filters and belts for blower 1	\$679.06
N/A	December 2016	<i>Emergency Generator</i> Val's Equipment Service completed a load ban test on the generator	\$2,007.72
191247	8-Dec-16	<i>Blower Room Louvre Repairs</i>	\$3,143.26
191299	23-Dec-16	<i>WAS Flow Meter</i> Nor-Tech supplied and installed a new flow meter for the Waste Activate Sludge	\$4,267.63



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)	0	450	525	0	420	456	210	0	0	280	0	420	2,761

Lab Results for Sludge Hauled

Parameter	2016 Average Concentration	2015 Concentration	2014 Concentration	2013 Concentration	2012 Concentration
Total Solids	15,862.5	22800	25400	16400	21900
Total Phosphorus	525	590	170	N/A	520
Total Ammonia	5.8	86.1	33	8.0	22.7
Nitrite	<0.2	1.9	0.5	0.6	1.6
Nitrate	3.4	4.1	0.6	0.6	0.6
Arsenic	0.1	<0.1	<0.1	<0.3	<0.3
Cadmium	0.008	0.20	<0.005	<0.03	<0.03
Cobalt	0.071	0.07	0.01	0.07	0.07
Chromium	0.27	0.32	0.07	0.3	0.3
Copper	9	11	2.6	9.1	9.5
Mercury	0.009	0.038	0.004	0.024	0.006
Potassium	106	110	88	100	89
Molybdenum	0.12	0.07	<0.05	<0.1	<0.1
Nickel	0.64	0.72	0.18	0.6	0.5
Lead	0.31	0.5	<0.1	0.6	0.9
Selenium	<0.11	<0.1	<0.1	<0.3	<0.3
Zinc	5.7	6.8	1.4	4.9	6.3
Silver	0.095				
Aluminum	830				
Antimony	<0.11				
Bismuth	0.275				
Boron	0.27				
Manganese	58				
Tin	0.39				
Titanium	3.9				
Vanadium	0.19				



A total volume of 2,767m³ was removed from the Espanola WPCP in 2016 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 2016.

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 2016 reporting year

SECTION 9: Additional Information

In 2016, the Espanola WPCP completed a sludge thickening trial with a treatment system designed by Orege. The system uses thickened sludge from the digester and further processes it to remove an even greater volume of water. Polymer is added to the sludge which causes the solids to separate from the water. It is then passed over a series of small grates that allow the water to separate from the solids. The solids then enter a filter box; inside the box is a mesh filter which water can slowly drain through using gravity. Once the filter box is filled the solids are transported to a landfill. The effluent from the process is sent back to the head of the sewage treatment plant where it is mixed with the raw sewage entering the facility.



Appendix A

Plant Maintenance



On Site Flow Meter Verification Certificate

Ontario Clean Water Agency
 87B Center Street, Espanola, Ontario P5E 1S4
 Tel - 705-869-5578 Fax - 705-869-4374

Facility Information

Facility Name: Espanola WWTP
 Address:
 Contact:

Place of Verification

Company Name: Ontario Clean Water Agency
 Address:
 Contact:

Flow Meter Information

Description: Flow Meter Waste Active Sludge Date: May 17 2016
 Manufacturer: Siemens
 Serial No. 436913T305
 Hansen I.D.
 Max. Permissible Error (MPE): +/- 5.0%

Verification Unit	Description	Serial No.	Hansen I.D.	Last Calibrated	Due Date
TransPort PT 878	Portable Ultrasonic Liquid Analyzer	9754	0000-294012	Feb 11 2016	Feb 11 2017

Verification Parameters and Conditions

Pipe Construction: 6" ductile iron Class 52
 Wall Thickness:
 Outside Diameter:
 Transducer Spacing:
 Water Temperature:
 Sound Speed:
 Measured Value:

Calibration Points	Flow Meter Measured Value	Panometrics Measured Value	Display Absolute Error	MPE +/- 5%	% MPE
1	5.9	7.6			77%
2	11.3	13.6			83%

Verification Pass: FAILED Verification Fail, Calibration Required:
 Comments: Unit needs service/replacement

Name (Print): Todd Lampron

Signature:



On Site Flow Meter Verification Certificate

Ontario Clean Water Agency
 87B Center Street, Espanola, Ontario P5E 1S4
 Tel - 705-869-5578 Fax - 705-869-4374

Facility Information

Facility Name: Espanola WWTP
 Address:
 Contact:

Place of Verification

Company Name: Ontario Clean Water Agency
 Address:
 Contact:

Flow Meter Information

Description: Flow Meter RAS Date: May 17 2016
 Manufacturer: ABB
 Serial No.
 Hansen I.D. 0000143159
 Max. Permissible Error (MPE): +/- 5.0%

Verification Unit	Description	Serial No.	Hansen I.D.	Last Calibrated	Due Date
TransPort PT 878	Portable Ultrasonic Liquid Analyzer	9754	0000-294012	Feb 11 2016	Feb 11 2017

Verification Parameters and Conditions

Pipe Construction: 6" ductile iron
 Wall Thickness:
 Outside Diameter:
 Transducer Spacing:
 Water Temperature:
 Sound Speed: 1439
 Measured Value:

Calibration Points	Flow Meter Measured Value	Panometrics Measured Value	Display Absolute Error	MPE +/- 5%	% MPE
1	23.3	23.6			99%

Verification Pass: Passed Verification Fail, Calibration Required:
 Comments: Constant flow

Name (Print): Todd Lampron

Signature:

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN, 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
73182			Espanola Wastewater Treatment Plant	CAP	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola STP Headworks Bluilding Valve Replacement	CLOSE		6/8/16 06:53 AM	6/8/16 06:53 AM	5740 Espanola STP Headworks Build Valve Replacemnet -Remove and Replace Valve for Hose reel, Old valve was leaking all over floor which may have caused a slip and fall
73228			Espanola Wastewater Treatment Plant	CAP	REFURBISH/ REPLACE/ REPAIR	0		5740 Esp STP Minor Repairs/ Grating and pipe stands	CLOSE		6/17/16 03:28 PM	6/17/16 03:28 PM	5740 Esp Minor repairs/Grating and Pipe stands -Reshape Alumn Grating over inlet channel to Aeration Tanks. Grating sticking up causing trip hazard. Replace Pipe stand on Overflow pipe on Grit seperator in inlet Building
62094			Espanola Wastewater Treatment Plant	PM	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola STP RAS Pump Alignment	CLOSE		4/25/16 11:59 AM	4/25/16 11:59 AM	5740Espanola Stp RAS Pump Alignment -Check All three RAS pump/Motor Alignment. Replaced Coupling on #2 pump. Set all Three pumps into correct tolerances for alignment
49206			Espanola Wastewater Treatment Plant	CORR	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola WWTP Power Outage	CLOSE		3/20/16 08:00 AM	3/20/16 09:00 AM	Espanola WWTP Power Outage - Scheduled power outage for the town of Espanola. Checked the WWTP. The generator faulted on start up due to a speed fault. Reset fault and generator started with no issues. Reset all equipment afterwards. When power came back on all equipment had to be reset again.
36174	0000258521	VALVE BACKFLOW FERRIC ROOM ESPANOLA WWTP	Espanola Wastewater Treatment Plant	OPER	INSPECTION	0		5740 Espanola STP Ferric Rm Annual Backflow testing	CLOSE		4/18/16 01:08 PM	4/18/16 01:08 PM	5740 Espanola STP Ferric Rm Annual Backflow testing -Completed annual Backflow testing
35904	0000258519	VALVE BACKFLOW TUNNEL UNDER AERATION TANKS NON POTABLE ESP WWTP	Espanola Wastewater Treatment Plant	OPER	INSPECTION	0		5740 ANNUAL BACKFLOW PREVENTER TEST	CLOSE		2/3/16 03:38 PM	2/3/16 03:38 PM	5740 ANNUAL BACKFLOW PREVENTER TEST -Completed Annual Testing
35905	0000258520	VALVE BACKFLOW TOP OF RAS PUMP ESPANOLA WWTP	Espanola Wastewater Treatment Plant	OPER	INSPECTION	0		5740 ANNUAL BACKFLOW PREVENTER TESTING	CLOSE		2/3/16 03:33 PM	2/3/16 03:33 PM	5740 ANNUAL BACKFLOW PREVENTER TESTING -Completed Annual Test

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN,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
35906	0000258522	VALVE BACKFLOW DIGESTER ROOM ESPANOLA WWTP	Espanola Wastewater Treatment Plant	OPER	INSPECTION	0		5740 ANNUAL BACKFLOW TESTING	CLOSE		2/3/16 03:29 PM	2/3/16 03:29 PM	5740 -Completed Annual Testing
22530	0000294009	5740 Espanola Confined Space Trailer	Espanola Wastewater Treatment Plant	OPER	INSPECTION	3	MONTHS	5740 Espanola Confined Space Trailer Inspection	CLOSE	1/1/16 12:00 AM	1/29/16 11:07 AM	1/29/16 11:07 AM	5740 Espanola Confined Space Trailer Inspection -Inventory completed. Gas Detection Monitors were calibrated mid January by Soucie Salo Safety.
28461			Espanola Wastewater Treatment Plant	CALL	REFURBISH/ REPLACE/ REPAIR	0		5740-Tim Horton's Sewage Loads-Call Back	CLOSE		1/17/16 09:34 AM	1/17/16 01:00 PM	5740-Tim Horton's Sewage Loads-Call Back - Rec'd call from Pat Taylor Contracting at 9:34am stating that the Tim Horton's on Hyw 17 was having issues with their septic system. They were completing emergency hauls. Met driver at plant, unloaded. Provided instructions and gate entrance to him for the next 2 loads.
29357			Espanola Wastewater Treatment Plant	CAP	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola STP Ferric Room Plumbing Repairs	CLOSE		2/18/16 01:40 PM	2/18/16 01:40 PM	5740 Espanola STP Ferric Room Plumbing Repairs - Remove and Replace mixing valve for emergency shower. Resolder all connections Remove and replace Double check valve Assembly for Emergency shower. Resolder all connections.
148257			Espanola Wastewater Treatment Plant	CORR	PREDICTIVE MAINTENANCE	0		5740 Espanola STP Low Water Pressure	CLOSE		9/27/16 01:13 PM	9/27/16 01:13 PM	5740 Espanola STP Low Water Pressure -Calle to The STP For low Water pressure in Blower building and digester building. Found Backflow preventer plugged with debris in tunnel. Cleaned out valve and Strainer. Retested Backflow. Water pressure ok

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN,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
107829	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/Functional Test (1m) 5740	CLOSE	8/1/16 12:00 AM	8/19/16 02:57 PM	8/19/16 02:57 PM	Diesel Generator OERT Inspection/Functional Test (1m) 5740 -Tested generator for 1 1/2 hours and it ran within normal operating parameters and has 3/4 tank of fuel left.
107843	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	8/1/16 12:00 AM	8/19/16 03:03 PM	8/19/16 03:03 PM	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740 -Generator was tested for 1 1/2 hours and it ran within normal operating parameters with 3/4 tank of fuel left.
127448	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/Functional Test (1m) 5740	CLOSE	9/1/16 12:00 AM	9/15/16 08:04 AM	9/15/16 08:04 AM	Diesel Generator OERT Inspection/Functional Test (1m) 5740 -Portable Genset was tested for 1 1/2 hours and ran within normal operating parameters but battery had to be boosted to start, trickle charger may not be operating properly will be looked into further. Has 5/8 tank of fuel left.
127462	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	9/1/16 12:00 AM	9/15/16 08:06 AM	9/15/16 08:06 AM	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740 -Tested portable Genset for 1 1/2 hours and it ran within normal operating parameters but battery had to be boosted to start.
149966	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/Functional Test (1m) 5740	CLOSE	10/2/16 12:00 AM	11/1/16 11:19 AM	11/1/16 11:19 AM	failed to start -Attempted to start generator twice, both times generator started but faulted due to under speed signal light so mechanic looked at it and advised to make a service call, manager was informed and a service call will be made.
149983	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	10/2/16 12:00 AM	11/1/16 11:24 AM	11/1/16 11:24 AM	failer to start -Attempted to start generator twice and it would start but then fault out do to under speed fault, mechanic looked at it and advised to make a service call and manager was informed. Service call will be made.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN,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
78739	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	YEARS	Diesel Generator OERT Inspection/ Functional Test (1y) 5740	COMP	6/1/16 12:00 AM	1/19/17 11:30 AM	1/19/17 11:30 AM	Diesel Generator OERT Inspection/ Functional Test (1y) 5740 - Performed an annual inspection on OERT, generator was ran for 1.5 hours and it ran within normal operating parameters. Coolant levels good Oil level good Battery good Heating block good Trickle charger good Belts good -Nut missing from one of the door handles and will not close, will get new one.
90079	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	7/1/16 12:00 AM	7/20/16 02:19 PM	7/20/16 02:19 PM	Diesel Generator OERT Inspection/ Functional Test (1m) 5740 -First attempt to start generator did not work as trickle charger did not keep battery charged and had to be boosted. Ran generator for 1 hour and it ran within normal operating parameters. Has 3/4 tank of fuel left. Trickle charger issue will be looked into further.
90095	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	7/1/16 12:00 AM	7/24/16 09:24 AM	7/24/16 09:24 AM	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740 -First start up attempt generator did not start and battery had to be boosted, trickle charger may not be working will look further into issue. Ran generator for 1 hour and ran within normal operating parameters with 3/4 tank of fuel.
49778	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	4/1/16 12:00 AM	4/19/16 07:31 AM	4/19/16 07:31 AM	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740 -Portable GenSet was tested for 1 hour and ran within normal parameters and has 5/8 of a tank of fuel left.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN,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
62480	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/Functional Test (1m) 5740	CLOSE	5/1/16 12:00 AM	5/13/16 12:24 PM	5/13/16 12:24 PM	Diesel Generator OERT Inspection/Functional Test (1m) 5740 -Tested generator for 1 hour 15minutes, ran within normal operating parameters. Fuel tank is 5/8 full.
62494	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	5/1/16 12:00 AM	5/13/16 12:27 PM	5/13/16 12:27 PM	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740 -Tested generator for 1 hour 15 minutes, ran within normal parameters. Fuel tank is 5/8 full.
74418	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/Functional Test (1m) 5740	CLOSE	6/1/16 12:00 AM	6/30/16 11:35 AM	6/30/16 11:35 AM	Diesel Generator OERT Inspection/Functional Test (1m) 5740 -Generator was used to do a job on the Island and ran within normal operating parameters.
74432	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	6/1/16 12:00 AM	6/30/16 11:37 AM	6/30/16 11:37 AM	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740 -Generator was used at a job on the Island and ran within normal operating parameters.
78211	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	YEARS	Diesel Generator 2006 Portable Inspection/Functional Test (1y) 5740	CLOSE	6/1/16 12:00 AM	7/15/16 12:49 PM	7/15/16 12:49 PM	Diesel Generator 2006 Portable Inspection/Functional Test (1y) 5740 -Generator test was completed last month and ran within normal operating parameters.
192979	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	12/1/16 12:00 AM	12/9/16 01:58 PM	12/9/16 01:58 PM	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740 -Tested generator for 1.5 hours and it ran within normal operating parameters.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN,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
29713	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/Functional Test (1m) 5740	CLOSE	2/1/16 12:00 AM	4/14/16 07:56 PM	4/14/16 07:56 PM	Diesel Generator OERT Inspection/Functional Test (1m) 5740 -Tested portable GenSet for 1 hour. It ran within normal operating parameters and has 5/8 tank of fuel left. Diesel Generator OERT Inspection/Functional Test (1m) 5740 -Disregard previous log. Previous operator completed this work order in February but forgot to close it out.
29727	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	2/1/16 12:00 AM	3/1/16 02:14 PM	3/1/16 02:14 PM	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740 - Portable generator would not run, due to low coolant. Topped up Radiator coolant, Generator running normal.
37312	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/Functional Test (1m) 5740	CLOSE	3/1/16 12:00 AM	3/24/16 10:14 AM	3/24/16 10:14 AM	Diesel Generator OERT Inspection/Functional Test (1m) 5740 -Completed Generator Inspection and test per work order. No operational issues were identified.
37326	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	3/1/16 12:00 AM	3/24/16 10:16 AM	3/24/16 10:16 AM	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740 -Completed Portable Generator Test per work order. Topped up Coolant Level. Operated normally.
49764	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/Functional Test (1m) 5740	CLOSE	4/1/16 12:00 AM	4/29/16 02:41 PM	4/29/16 02:41 PM	Diesel Generator OERT Inspection/Functional Test (1m) 5740 -Completed generator inspection and test per work order. No operational issues were identified.
173327	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/Functional Test (1m) 5740	CLOSE	11/1/16 12:00 AM	11/29/16 10:00 AM	11/29/16 10:00 AM	Diesel Generator OERT Inspection/Functional Test (1m) 5740 -Vals equipment was called several times to come in and fix generator but has not come yet, they will be contacted again asap.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN,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
173342	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	11/1/16 12:00 AM	11/29/16 10:01 AM	11/29/16 10:01 AM	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740 -Vals equipment was called several times to come in and fix generator but has not come yet, they will be called again asap.
18494	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	1/1/16 12:00 AM	1/29/16 10:51 AM	1/29/16 10:51 AM	Diesel Generator OERT Inspection/ Functional Test (1m) 5740 -Generator test conducted per work order. Unit ran within normal limits, however, coolant level indicator light came on during test. Checked level and appeared to be within normal range.
18508	0000126061	GENERATOR OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740	CLOSE	1/1/16 12:00 AM	1/29/16 11:11 AM	1/29/16 11:11 AM	Diesel Generator 2006 Portable Inspection/Functional Test (1m) 5740 -Completed per work order.
190790	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	CORR	REFURBISH/REPLACE/REPAIR	0		5740 Espanola STP OERT generator failed to start	CLOSE		12/6/16 08:41 AM	12/6/16 08:41 AM	5740 Espanola STP OERT generator failed to start -Generator was started and ran for a couple seconds and shut down due to a underspeed fault. Val equipment was called and when able will come and repair generator. 5740 Espanola STP OERT generator failed to start -Vals equipment came in and made repairs to generator and was tested yesterday and is working within normal operating parameters.
192964	0000126060	ENGINE DIESEL OERT#2006 PORTABLE	5740, OERT Genset	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator OERT Inspection/ Functional Test (1m) 5740	CLOSE	12/1/16 12:00 AM	12/6/16 08:43 AM	12/6/16 08:43 AM	Diesel Generator OERT Inspection/ Functional Test (1m) 5740 -Ran OERT generator for 1.5 hours and it ran within normal operating parameters with 11/16 tank of fuel left.
171696			5740, Industrial Park Sewage Pumping Station	CAP	REFURBISH/REPLACE/REPAIR	0		5740 Industrial Park Puming Station Gaskets	CLOSE		10/24/16 10:01 AM	10/24/16 10:01 AM	5740 Industrial Park Puming Station Gaskets -Remove all valves, and Check Valves to replace all Gaskets. CS entry. Tested for leaks

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

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Location: 5740*

Work Order Type: ADMIN,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
36971	0000143845	PANEL CONTROL MAIN INDUSTRIAL PARK PUMP STATION	5740, Industrial Park Sewage Pumping Station, Facility	CALL	REFURBISH/REPLACE/REPAIR	0		Industrail park pump station power outage alarm	CLOSE		2/25/16 04:17 AM	2/25/16 04:45 AM	Industrail park pump station power outage alarm -Received call from true steel @ 04:17 for a power outage alarm at the industrial park lift station. Station is not in service so call was not responded to but wastewater treatment/collection operator was informed of alarm and inspected the lift station during day shift. It was found that the backup battery was not functioning. Backup battery will be replaced.
36976	0000143845	PANEL CONTROL MAIN INDUSTRIAL PARK PUMP STATION	5740, Industrial Park Sewage Pumping Station, Facility	CORR	REFURBISH/REPLACE/REPAIR	0		Replace backup battery at industrail park lift station	CLOSE		2/29/16 01:27 PM	2/29/16 01:27 PM	Replace backup battery at industrail park lift station -Wastewater collection operator contacted supplier of backup battery and was instructed on how to restart device and is now working within normal parameters and is no longer necessary to purchase a new one.
212256	0000143846	PANEL ALARM/DIALER INDUSTRIAL PARK PUMP STATION	5740, Industrial Park Sewage Pumping Station, Process	CORR	REFURBISH/REPLACE/REPAIR	0		5740, Industrial Park SPS, Alarm Panel Update	APPR				5740, Industrial Park SPS, Alarm Panel Update -Due to alarm faults, True Steel had to upgrade panel from a 2G to a 3G cellular panel.
105177	0000143833	FIRE EXTINGUISHER MERRIT SEWAGE PUMPING STATION	5740, Merrit Sewage Pumping Station, Facility	PM	HEALTH AND SAFETY	0		5740 Merrit SLS fire extinguisher needs to be inspected/serviced	CLOSE		10/19/16 02:29 PM	10/19/16 02:29 PM	5740 Merrit SLS fire extinguisher needs to be inspected/serviced -Fire extinguisher at Merrit SLS needs to be inspected and serviced. fire extinguisher replaced -SPI replaced old fire extinguisher with new one of same type and passed its inspection and is back at Merrit SLS.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

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Location: 5740*

Work Order Type: ADMIN,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
105993	0000227600	FAN EXHAUST MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	CAP	REFURBISH/ REPLACE/ REPAIR	0		5740 Merrit SLS exhaust fan blade replacement	CLOSE		9/13/16 08:48 AM	9/13/16 08:48 AM	5740 Merrit SLS exhaust fan blade replacement -Upon last entry into Merrit SLS it was noticed the exhaust fan blade had completely broken off fan and cannot be repaired with existing fan blade, so a new one will be ordered and installed. 5740 Merrit SLS exhaust fan blade replacement -Fan blade was installed on exhaust ventilation fan and is now working within normal parameters.
107884	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	8/1/16 12:00 AM	8/11/16 02:30 PM	8/11/16 02:30 PM	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740 -Emergency generator was tested for 2.5 hours and ran within normal operating parameters but float charger had to be reset and there is 20 inches of fuel left.
127503	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740	CLOSE	9/1/16 12:00 AM	10/4/16 07:43 AM	10/4/16 07:43 AM	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740 -Emergency generator was tested for 2 hours and ran within normal operating parameters with 18inches left in fuel tank. Trickle charger had to be reset after test.
150032	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740	CLOSE	10/2/16 12:00 AM	10/11/16 01:29 PM	10/11/16 01:29 PM	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740 -Tested emergency generator for 2 hours and it ran within normal operating parameters with 18 inches left in fuel tank.

Workorder Summary Report

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Location: 5740*

Work Order Type: ADMIN,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
171006			5740, Merrit Sewage Pumping Station, Facility	CALL	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola STP Merrit St Lift Station Alarm	CLOSE		10/8/16 04:30 PM	10/8/16 05:10 PM	5740 Espanola STP Merrit St Lift Station Alarm - Called out for general alarm. Arrived on site and did not see any issues. Tested both pumps in manual, both started and stopped with no issues. Let wet well fill and pump was called to start, pumped the wet well down and pump shut off. Called alarm company to see if alarm rest. Operator said it had no reset. Checked generator, generator fuel tank, all panels and Outpost panel. Checked site later that evening and next day. Still could not find the cause of the alarm.
49806	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	4/1/16 12:00 AM	4/26/16 07:24 AM	4/26/16 07:24 AM	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740 -Emergency generator was tested for 1 hour and ran within normal parameters.
62522	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	5/1/16 12:00 AM	5/20/16 12:10 PM	5/20/16 12:10 PM	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740 -Tested generator for 1 hour and it operated within normal parameters with 21" of fuel left in the tank.
74460	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	6/1/16 12:00 AM	6/8/16 06:56 AM	6/8/16 06:56 AM	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740 -Merit lift station generator was tested for 2 hours and ran within normal operating parameters and has 20.5" of fuel left in tank.
78706	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	COMP	6/1/16 12:00 AM	1/19/17 11:15 AM	1/19/17 11:15 AM	Diesel Generator Merrit PS Inspection/Functional Test (1y) 5740 -Total Power performed an annual inspection on April 11/2016.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN, 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
90145	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	7/1/16 12:00 AM	7/9/16 02:00 PM	7/9/16 02:00 PM	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740 -Upon startup of generator a fault signal of SD under speed and charging alternator failure occurred and generator did not startup. ORO was informed and battery was charged and generator was successfully tested for 1hour the next day and float charge was function properly. Fuel tank has 20" left.
173387	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	11/1/16 12:00 AM	11/7/16 03:19 PM	11/7/16 03:19 PM	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740 -First attempt to start generator resulted in a Sd water temp. fault so heating block was reset and allowed time for water to heat and then generator was started up again, this time with no faults and ran within normal operating parameters for 1 hour with roughly 17inches of fuel left.
18536	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	1/1/16 12:00 AM	1/29/16 10:48 AM	1/29/16 10:48 AM	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740 -Completed Inspection per work order. No maintenance issues noted.
193022	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	PM	REFURBISH/REPLACE/REPAIR	1	MONTHS	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740	CLOSE	12/1/16 12:00 AM	12/9/16 02:09 PM	12/9/16 02:09 PM	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740 - Tested generator for 1 hour 15min and it ran within normal operating parameters with 17inches of fuel left in tank. -Heating block is good -Connections, hoses and wiring looks good -No leaks detected -Float charger is working -Air handling works appropriately with generator

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

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Location: 5740*

Work Order Type: ADMIN,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
212218	0000227597	GENERATOR MERRIT SLS	5740, Merrit Sewage Pumping Station, Facility	CALL	REFURBISH/REPLACE/REPAIR	0		5740 Merrit SLS Generator Water Temp Alarm	CLOSE		12/9/16 04:40 PM	12/9/16 05:20 PM	5740 Merrit SLS Generator Water Temp Alarm -Called out to Merrit SLS for a water temperature alarm. Checked block heater and there were no issues with it, could hear it working. Building temperature was warm. Checked panel on the generator and there was no reading for the water temperature. Could possible be an issue with the sensor. Notified Manager and he will contact Vals to look at the sensor. 5740 Merrit SLS Generator Water Temp Alarm -Pictures of alarms and water temperature error are attached in the work order.
29755	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	2/1/16 12:00 AM	2/26/16 08:35 AM	2/26/16 08:35 AM	Diesel Generator Test-Merritt -Ran Generator. No operational issues noted.
37354	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	3/1/16 12:00 AM	3/24/16 10:19 AM	3/24/16 10:19 AM	Diesel Generator Merrit PS Inspection/Functional Test (1m) 5740 -Completed Generator Test per work order. Unit has 401 starts, 1 recorded for power outage on March 20, 2016. Operated within normal ranges.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN, 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
105176	0000227595	PUMP SUBMERSIBLE 01 MERRIT SLS	5740, Merrit Sewage Pumping Station, Process	CAP	REFURBISH/ REPLACE/ REPAIR	0		5740 Merrit SLS pump #1 interfering with level sensor	CLOSE		7/30/16 08:46 AM	7/30/16 08:46 AM	5740 Merrit SLS pump #1 interfering with level sensor -Every time pump #1 at Merrit SLS turns on the level sensor receives a high water level signal and will turn on both pumps which do not turn off unless manually switched off. As soon as pump #1 is turned off, level sensor begins to properly read the level inside the wet well. Pump #1 has been turned off until issue can be resolved and the lift station will run off pump#2. Redirected level sensor wire -Went in wet well and redirected low voltage level sensor wire around high voltage pump power line which could have been causing an interference signal with level sensor causing it to read high every time pump #1 came on. Pump running good -Pump has been on for a month now and is running within normal operating parameters.
105990	0000294009	5740 Espanola Confined Space Trailer	5740, Espanola WWTP	CAP	REFURBISH/ REPLACE/ REPAIR	0		5740 broken jack on confined space trailer	CLOSE		8/4/16 02:50 PM	8/4/16 02:50 PM	5740 broken jack on confined space trailer -Upon completing confined space trailer inspection it was noticed that the jack on the trailer is seized making it very difficult to operate if at all possible, jack will most likely need to be replaced. 5740 replaced jack on trailer -Old jack was heavily lubricated but had no effect so it was replaced with a new jack.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN,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
106968			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	8/1/16 12:00 AM	8/30/16 10:11 AM	8/30/16 10:11 AM	Clarifier #2 chain drive -Chain drive on clarifier 2 was very loose so it was tightened a bit. TPM Inspection/Maintenance (1m) 5740 - Mechanical seal on screw conveyer still leaking so it was greased as well as the grit vortex chamber agitator. Occasional abnormal sounds and vibrations coming from both clarifiers, will keep a close eye on it. Bar screen is making a loud screeching noise and keeps jamming in the raw flow channel, several operators and mechanics have tried to fix the issue but keeps occurring. Bar screen should be refurbished. No other abnormal vibrations, heat or sounds have been noticed.
107001			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	8/1/16 12:00 AM	8/9/16 06:54 AM	8/9/16 06:54 AM	Critical Alarm/Dialer Testing (1m) 5740 -Lift station high water level alarms and inlet room gas alarms were tested and worked.
107005			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	8/1/16 12:00 AM	8/4/16 02:55 PM	8/4/16 02:55 PM	Health And Safety Inspection (1m) 5740 - Fire hoses good Fire extinguishers are good First aid kits good Eye wash/shower station good No health and safety hazards were noticed
114934			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	CLOSE	8/1/16 12:00 AM	9/16/16 03:03 PM	9/16/16 03:03 PM	WISKI Review (1m) 5740 -WISKI for the month of August is complete.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN,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
126641			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	9/1/16 12:00 AM	10/4/16 07:41 AM	10/4/16 07:41 AM	TPM Inspection/Maintenance (1m) 5740 - Replaced old and worn studs, bolts, nuts and washers on RAS pump #1. Screw conveyer's mechanical seal at bottom is no longer leaking. No abnormal sounds, vibrations or heat coming from equipment.
88779			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	7/1/16 12:00 AM	7/15/16 12:54 PM	7/15/16 12:54 PM	Health And Safety Inspection (1m) 5740 - Fire extinguishers are good First aid kits are good Eye wash/shower station is good Fire hoses are good No health and safety hazards noticed.
93288			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	CLOSE	7/1/16 12:00 AM	8/4/16 02:53 PM	8/4/16 02:53 PM	WISKI Review (1m) 5740 -WISKI review for the month of July has been completed.
93992	0000294009	5740 Espanola Confined Space Trailer	5740, Espanola WWTP	OPER	INSPECTION	3	MONTHS	5740 Espanola Confined Space Trailer Inspection	CLOSE	7/1/16 12:00 AM	7/20/16 02:04 PM	7/20/16 02:04 PM	5740 Espanola Confined Space Trailer Inspection -Confined space trailer inspection has been complete. Trailer was organized/cleaned, supplies stocked as needed, confined space forms were replenished and continuous gas monitors were charged. Trailer jack is broken and will most likely need to be replaced.
77470			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	CLOSE	6/1/16 12:00 AM	7/9/16 01:54 PM	7/9/16 01:54 PM	WISKI Review (1m) 5740 -WISKI review for the month of June has been completed.
78164			5740, Espanola WWTP	PM	INSPECTION	1	YEARS	Lifting Equipment Inspection (1y) 5740	CLOSE	6/1/16 12:00 AM	8/11/16 02:35 PM	8/11/16 02:35 PM	chain block inspection/servicing -All 5 chain blocks at STP were inspected and serviced.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN,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
87403			5740, Espanola WWTP	CAP	REFURBISH/ REPLACE/ REPAIR	0		5740, Espanola STP, Installation of Water Pressure Transmitter	APPR				5740, Espanola STP, Installation of Water Pressure Transmitter -Installation of a pressure transmitter to measure the distribution system water pressure. Tied into Wonderware.
88034			5740, Espanola WWTP	CAP	COMPLIANCE	1	YEARS	Non-Routine Sampling (1y) 5740	COMP	6/1/16 12:00 AM	1/18/17 02:50 PM	1/18/17 02:50 PM	Non-Routine Sampling (1y) 5740 digester sludge metals analysis -Took monthly metals analysis sample from digester sludge. Non-Routine Sampling (1y) 5740 digester sludge metals analysis -Completed monthly digester metals sampling for the month of July. Non-Routine Sampling (1y) 5740 digester sludge metals analysis -Took monthly sample from digester to be analyzed for metals. Non-Routine Sampling (1y) 5740 digester sludge metals analysis -Collected a monthly sample on 09/22/2016 to be analyzed for metals. Non-Routine Sampling (1y) 5740 Oreg pilot project effluent sample -a sample was collected on 09/22/2016 of the pilot project effluent for analysis. Non-Routine Sampling (1y) 5740 digester sludge metals analysis -On 10/27/2016 took digester samples for metals analysis for the month of October. Non-Routine Sampling (1y) 5740 digester sludge metals analysis -On November 25/2016 digester metals analysis samples were taken Non-Routine Sampling (1y) 5740 digester sludge metals analysis -On December 22/2016 digester metals analysis samples were taken.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN, 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
88739			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	7/1/16 12:00 AM	7/30/16 10:15 AM	7/30/16 10:15 AM	TPM Inspection/Maintenance (1m) 5740 - All gate valves in RAS pump and sludge digester pump room have been greased. Sludge digester pumps were greased. TPM Inspection/Maintenance (1m) 5740 - RAS pump #1 and 2 are having some high load issues which are being looked into further. No other abnormal heat, vibrations or noises were noticed coming from equipment.
88775			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	7/1/16 12:00 AM	7/15/16 12:56 PM	7/15/16 12:56 PM	Critical Alarm/Dialer Testing (1m) 5740 -Inlet room alarms are functioning and lift station high level alarms were tested and worked.
74593			5740, Espanola WWTP	PM	INSPECTION	1	YEARS	Lifting Equipment Inspection (1y) 5740	CLOSE	6/1/16 12:00 AM	7/30/16 08:50 AM	7/30/16 08:50 AM	Lifting Equipment Inspection (1y) 5740 -Lifting equipment inspection has been completed by Hite. Only defect found was a damaged cable on a lifting crane in the inlet room which will need to be replaced.
74751			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	YEARS	Fire Protection System Inspection (1y) 5740	APPR	6/1/16 12:00 AM			
74817	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	7/1/16 12:00 AM	6/13/16 11:56 AM	6/13/16 11:56 AM	Backflow Preventer RAS inspection -Completed On WO#35904
74822	0000258522	VALVE BACKFLOW DIGESTER ROOM ESPANOLA WWTP	5740, Espanola WWTP	PM	REFURBISH/REPLACE/REPAIR	1	YEARS	Backflow Preventer Digester Inspection (1y) 5740	CLOSE	7/1/16 12:00 AM	6/13/16 11:58 AM	6/13/16 11:58 AM	Backflow Preventer Digester Inspection -Completed on WO#35905
74832	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	7/1/16 12:00 AM	6/13/16 12:06 PM	6/13/16 12:06 PM	BackFlow Preventer Inspection -Completed FeB 3 2016

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN, 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
74837	0000258521	VALVE BACKFLOW FERRIC ROOM ESPANOLA WWTP	5740, Espanola WWTP	PM	REFURBISH/REPLACE/REPAIR	1	YEARS	Backflow Preventer Ferric Inspection (1y) 5740	CLOSE	7/1/16 12:00 AM	6/13/16 12:01 PM	6/13/16 12:01 PM	Backflow Preventer Ferric Inspection -Completed On WO# 36174
74238			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	6/1/16 12:00 AM	6/28/16 08:41 AM	6/28/16 08:41 AM	TPM Inspection/Maintenance (1m) 5740 -Clarifier #1 had its oil replenished due to low level, bar screen was greased and leaking valve in sludge digester pump room had its seal tightened. TPM Inspection/Maintenance (1m) 5740 -Screw conveyor was greased and had its mechanical seal tightened due to a small leak.
74243			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	6/1/16 12:00 AM	6/30/16 11:33 AM	6/30/16 11:33 AM	Critical Alarm/Dialer Testing (1m) 5740 - Inlet room gas alarms are functional. Lift station high water level alarms were tested and are functioning. Auto dialer alarms will call out once PLC is tied into auto dialer.
74247			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	6/1/16 12:00 AM	6/13/16 01:50 PM	6/13/16 01:50 PM	Health And Safety Inspection (1m) 5740 - Fire hoses good Fire extinguishers at STP are good but Merit SLS extinguisher needs to be inspected/serviced First aid kits good Eye wash/shower station is good No hazards noticed.
74506			5740, Espanola WWTP	OPER	COMPLIANCE	1	YEARS	Facility Emergency Plan Review (1y) 5740	APPR	6/1/16 12:00 AM			
61318			5740, Espanola WWTP	PM	CALIBRATION	1	YEARS	Flow Meter Calibration (1y) 5740	APPR	4/6/16 12:00 AM			

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

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Location: 5740*

Work Order Type: ADMIN,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
62300			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	5/1/16 12:00 AM	5/31/16 06:55 AM	5/31/16 06:55 AM	TPM Inspection/Maintenance (1m) 5740 -Screw conveyor was greased and mechanical seal tightened. TPM Inspection/Maintenance (1m) 5740 -Packing glands were tightened on loose valves around the facility. No abnormal noises, heat or vibrations were noticed coming from equipment.
62305			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	5/1/16 12:00 AM	5/31/16 07:04 AM	5/31/16 07:04 AM	Critical Alarm/Dialer Testing (1m) 5740 -Auto dialer with be fully functional once hooked up to PLC, inlet room and lift station alarms are working.
62309			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	5/1/16 12:00 AM	5/13/16 12:19 PM	5/13/16 12:19 PM	Health And Safety Inspection (1m) 5740 - First aid kits good Fire extinguishers at plant are good, Merit lift station needs extinguisher to be inspected/serviced Fire hoses are good Eye wash and shower station is good No health and safety hazards noticed
64931			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	CLOSE	5/1/16 12:00 AM	5/31/16 06:59 AM	5/31/16 06:59 AM	WISKI Review (1m) 5740 -WISKI review for May has been completed.
49575			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	4/1/16 12:00 AM	4/26/16 07:22 AM	4/26/16 07:22 AM	TPM Inspection/Maintenance (1m) 5740 - All 3 RAS pumps had drive shaft/ couplings aligned using Easy Laser and were greased. No abnormal heat, noises or vibrations were noticed coming from equipment.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

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Location: 5740*

Work Order Type: ADMIN,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
49580			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	4/1/16 12:00 AM	4/26/16 07:19 AM	4/26/16 07:19 AM	Critical Alarm/Dialer Testing (1m) 5740 -Auto dialer will be fully functional once PLC is hooked up, inlet room gas alarm and lift stations are functioning.
49584			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	4/1/16 12:00 AM	4/12/16 02:30 PM	4/12/16 02:30 PM	Health And Safety Inspection (1m) 5740 - Fire hoses good First aid kit good Fire extinguishers good Eye wash/shower station good No health and safety hazards noticed.
52476			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	CLOSE	4/1/16 12:00 AM	5/3/16 06:56 AM	5/3/16 06:56 AM	WISKI Review (1m) 5740 -WISKI for the month of April has been completed.
53173	0000294009	5740 Espanola Confined Space Trailer	5740, Espanola WWTP	OPER	INSPECTION	3	MONTHS	5740 Espanola Confined Space Trailer Inspection	CLOSE	4/1/16 12:00 AM	4/29/16 02:45 PM	4/29/16 02:45 PM	5740 Espanola Confined Space Trailer Inspection -Completed confined space trailer inspection as per work order, equipment is in good shape, some harnesses were cleaned and trailer is organized.
37132			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	3/1/16 12:00 AM	4/3/16 06:40 PM	4/3/16 06:40 PM	TPM Inspection/Maintenance (1m) 5740 -No abnormal heat, noises or vibrations were noticed coming from facility equipment.
37137			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	3/1/16 12:00 AM	3/24/16 10:24 AM	3/24/16 10:24 AM	Critical Alarm/Dialer Testing (1m) 5740 -Inspections completed. Fire System/Emergency Light alarms had to be reset after planned power outage on March 20, 2016.
37141			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	3/1/16 12:00 AM	3/11/16 09:17 AM	3/11/16 09:17 AM	Health And Safety Inspection (1m) 5740 -Completed H&S Inspection per work order. No H&S issues were identified.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN, 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
37505			5740, Espanola WWTP	PM	INSPECTION	1	YEARS	Electrical Equipment Inspection/ Service (1y) 5740	COMP	3/1/16 12:00 AM	1/17/17 10:25 AM	1/17/17 10:25 AM	Electrical Equipment Inspection/ Service (1y) 5740 -ESA was on site and performed an inspection, see report for details.
40124			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	CLOSE	3/1/16 12:00 AM	4/4/16 02:11 PM	4/4/16 02:11 PM	WISKI Review -All operator rounds are entered.
29538			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	2/1/16 12:00 AM	2/26/16 08:40 AM	2/26/16 08:40 AM	
29542			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	2/1/16 12:00 AM	2/26/16 08:22 AM	2/26/16 08:22 AM	H&S Inspection -Completed monthly H&S Inspection. Chemical Shower in Ferric Room was repaired and is back online after domestic pipe burst. Unit is functional.
32028			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	CLOSE	2/1/16 12:00 AM	4/14/16 07:59 PM	4/14/16 07:59 PM	WISKI Review (1m) 5740 -Completed WISKI review for the month of February.
212075			5740, Espanola WWTP	CAP	REFURBISH/ REPLACE/ REPAIR	0		5740 Replace Solenoid valve for Grit chamber water feed	COMP		3/14/17 10:32 AM	3/14/17 10:32 AM	5740 Replace Solenoid valve for Grit chamber water feed -Remove and Replace solenoid valve for grit channel water feed. Solder in new fittings. installed JB -installed Class 1 Div 1 JB and wired in new solenoid.
21682			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	CLOSE	1/1/16 12:00 AM	1/29/16 11:10 AM	1/29/16 11:10 AM	WISKI Review (1m) 5740 -WISKI Data provided to Sarah Beaulieu, Operator. Reviewed.
29533			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	2/1/16 12:00 AM	2/26/16 08:11 AM	2/26/16 08:11 AM	TPM Inspection & Mtce. -Completed monthly TPM Inspections per work order. No concerns noted.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN, 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
18645			5740, Espanola WWTP	OPER	COMPLIANCE	1	YEARS	Non-Routine Sampling (1y) 5740	CLOSE	1/1/16 12:00 AM	1/29/16 10:59 AM	1/29/16 10:59 AM	Non-Routine Sampling (1y) 5740 -No Non-Routine Sampling was completed during this period. Non-Routine Sampling (1y) 5740 -On February 02, 2016, This Operator completed the Quarterly WSER (Trout Lethality/Toxicity) sample and hand delivered to Testmark in Garson.
18687			5740, Espanola WWTP	OPER	COMPLIANCE	1	YEARS	WHMIS/MSDS/NSF Review And Update (1y) 5740	CLOSE	1/1/16 12:00 AM	12/6/16 08:35 AM	12/6/16 08:35 AM	WHMIS/MSDS/NSF Review And Update (1y) 5740 -MSDS, NSF and WHIMS documents have been reviewed and updated.
192021			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	COMP	12/1/16 12:00 AM	1/4/17 08:50 AM	1/4/17 08:50 AM	TPM Inspection/Maintenance (1m) 5740 - Bar screen still goes slightly out of alignment and makes occasional abnormal sounds but is working within normal operating parameters. North sludge pump flow was slowed down by more then half due to buildup of materials in digester/ piping, so head pressure from south digester was used to remove blockage which had some effect and will peruse issue further. No other abnormal sounds, heat or vibrations noticed coming from equipment.
192056			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	COMP	12/1/16 12:00 AM	1/4/17 08:53 AM	1/4/17 08:53 AM	Critical Alarm/Dialer Testing (1m) 5740 -Tested high water level alarms at lift stations which did not call out so True Steel technician was informed and fixed the issue and station alarms called out. Also inlet room gas alarm was tested and worked.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

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Location: 5740*

Work Order Type: ADMIN,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
192060			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	12/1/16 12:00 AM	12/9/16 01:56 PM	12/9/16 01:56 PM	Health And Safety Inspection (1m) 5740 - First aid kit in lab was expired and thrown out but there is still a first aid kit in the garage which is good. Fire hoses good Fire extinguishers good Eye wash station good
202329			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	COMP	12/1/16 12:00 AM	1/13/17 11:39 AM	1/13/17 11:39 AM	WISKI Review (1m) 5740 -WISKI review for the month of December has been completed.
172475			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	11/1/16 12:00 AM	11/7/16 03:12 PM	11/7/16 03:12 PM	Health And Safety Inspection (1m) 5740 - Fire extinguishers are good Fire hoses are good First aid kits are good Eye wash station works Noticed hand railing on observation pad of digester was beginning to wiggle due to some deterioration of the cement, manager will be notified. No other health and safety hazards noticed.
180650			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	CLOSE	11/1/16 12:00 AM	12/6/16 08:33 AM	12/6/16 08:33 AM	WISKI Review (1m) 5740 -WISKI for the month of November is complete.(only missing a couple hauling numbers which MOE inspector has, so they be entered after inspectors sends a copy through email)
18232			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	1/1/16 12:00 AM	1/29/16 11:02 AM	1/29/16 11:02 AM	TPM Inspection/Maintenance (1m) 5740 -Preventative Maintenance and Inspections were completed regularly. No major maintenance issues were identified.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN,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
18237			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	1/1/16 12:00 AM	1/29/16 11:04 AM	1/29/16 11:04 AM	Critical Alarm/Dialer Testing (1m) 5740 -Critical Alarm Testing completed at Espanola STP. Lift Stations currently operated by Miltronics.
18241			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	1/1/16 12:00 AM	1/15/16 09:54 AM	1/15/16 09:54 AM	Health And Safety Inspection (1m) 5740 -Completed Monthly Health and Safety Inspection per work order. No issues identified.
18423			5740, Espanola WWTP	OPER	INSPECTION	1	YEARS	Daily O&M Activities (1y) 5740	COMP	1/1/16 12:00 AM	5/3/16 04:00 PM	5/27/16 08:00 PM	
148958			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	10/2/16 12:00 AM	10/13/16 07:22 AM	10/13/16 07:22 AM	Health And Safety Inspection (1m) 5740 - Fire extinguishers good First aid kit good Eye wash station good Fire hoses good No health and safety hazards noticed
157496			5740, Espanola WWTP	OPER	HEALTH AND SAFETY	1	YEARS	JHSC Inspection (1y) 5740	CLOSE	10/2/16 12:00 AM	12/9/16 01:46 PM	12/9/16 01:46 PM	JHSC Inspection (1y) 5740 -Annual JHSC inspection has been complete. See report for details.
159528			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	CLOSE	10/2/16 12:00 AM	11/7/16 03:22 PM	11/7/16 03:22 PM	WISKI Review (1m) 5740 -WISKI for the month of October has been reviewed.
160239	0000294009	5740 Espanola Confined Space Trailer	5740, Espanola WWTP	OPER	INSPECTION	3	MONTHS	5740 Espanola Confined Space Trailer Inspection	CLOSE	10/2/16 12:00 AM	10/13/16 07:24 AM	10/13/16 07:24 AM	5740 Espanola Confined Space Trailer Inspection -Confined space trailer inspection for the month of October.
172436			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	11/1/16 12:00 AM	12/6/16 08:30 AM	12/6/16 08:30 AM	TPM Inspection/Maintenance (1m) 5740 - Bar screen is going lopsided again if it continues to worsen mechanic will adjust again. No abnormal sounds, heat or vibrations coming from equipment.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN,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
172471			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	11/1/16 12:00 AM	11/7/16 03:07 PM	11/7/16 03:07 PM	Critical Alarm/Dialer Testing (1m) 5740 -Tested high water level alarms at lift stations and True Steel called out for all 3, also tested gas alarm in inlet room which worked.
126674			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	9/1/16 12:00 AM	9/15/16 07:56 AM	9/15/16 07:56 AM	Critical Alarm/Dialer Testing (1m) 5740 -Inlet building gas alarms and lift station alarms were tested and they worked.
126678			5740, Espanola WWTP	PM	HEALTH AND SAFETY	1	MONTHS	Health And Safety Inspection (1m) 5740	CLOSE	9/1/16 12:00 AM	9/15/16 07:59 AM	9/15/16 07:59 AM	Health And Safety Inspection (1m) 5740 - Fire hoses good First aid kits good Fire extinguishers good Eye wash station is good No health and safety hazards noticed.
135491			5740, Espanola WWTP	OPER	COMPLIANCE	1	MONTHS	WISKI Review (1m) 5740	CLOSE	9/1/16 12:00 AM	10/4/16 07:47 AM	10/4/16 07:47 AM	WISKI Review (1m) 5740 -WISKI review for the month of September has been completed.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN,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
148916			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	TPM Inspection/Maintenance (1m) 5740	CLOSE	10/2/16 12:00 AM	11/1/16 11:15 AM	11/1/16 11:15 AM	oil change on blower 1 and 3 -An oil change was performed on blower 1 and 3. Greased all 3 RAS pumps -All 3 RAS pumps were greased with 2 squeezes at each nipple. greased leaking mechanical seal on screw conveyer - Greased leaking mechanical seal on screw conveyer. Greased all exhaust fans in blower room. Replaced belt on EF-401 TPM Inspection/Maintenance (1m) 5740 - Bar screen is making some abnormal sounds and keeps falling out of position. Should be refurbished/ rebuilt. No other abnormal sounds, vibrations or heat has been noticed coming from equipment.
148954			5740, Espanola WWTP	PM	INSPECTION	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5740	CLOSE	10/2/16 12:00 AM	10/11/16 01:27 PM	10/11/16 01:27 PM	Critical Alarm/Dialer Testing (1m) 5740 -Inlet room gas alarms were tested and worked, also high water level alarms were tested at sewage lift stations and True Steel called for each one as should.
124440	0000143114	PUMP SUBMERSIBLE NEXT TO DIGESTER	5740, Espanola WWTP, Facilities, Building and Grounds	CAP	REFURBISH/REPLACE/REPAIR	0		5740 Espanola STP supernant pump low level stop float	CLOSE		8/11/16 02:32 PM	8/11/16 02:32 PM	5740 Espanola STP supernant pump low level stop float -Low water level stop float needs to be replaced as it is continuously sending a stop signal to supernant pump preventing it from starting. 5740 Espanola STP supernant pump low level stop float -Float has been installed and is working within normal operating parameters.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN,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
88221	0000143114	PUMP SUBMERSIBLE NEXT TO DIGESTER	5740, Espanola WWTP, Facilities, Building and Grounds	CORR	REFURBISH/REPLACE/REPAIR	0		5740 STP supernant pump failure	CLOSE		6/29/16 02:17 PM	6/29/16 02:17 PM	5740 STP supernant pump failure -When operator went to decant north digester the supernant pump failed to start, ORO was informed and an electrician was called in. It was found the low level stop float was somehow interfering with the startup of the supernant pump, so it was bypassed and now the pump may only be manually started and stopped, float will most likely need to be replaced.
88224	0000143114	PUMP SUBMERSIBLE NEXT TO DIGESTER	5740, Espanola WWTP, Facilities, Building and Grounds	CAP	REFURBISH/REPLACE/REPAIR	0		5740 STP supernant pump low level float failure	CLOSE		8/23/16 02:50 PM	8/23/16 02:50 PM	5740 STP supernant pump low level float failure -Low level stop float for supernant pump is interfering with pump and will not allow the pump to start, will most likely need to be replaced.
115765	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	8/1/16 12:00 AM	8/17/16 03:35 PM	8/17/16 03:35 PM	Vehicle Chev Silver AJ81033 Inspection (1m) -Inspection for the month of August has been complete and passed all running checks.
124441	0000143085	LIFTDEV CRANE ABOVE BAR SCREEN	5740, Espanola WWTP, Facilities, Vehicles, Cranes, Hoists, Elevators, Fork Lifts, Tow Motors	CORR	REFURBISH/REPLACE/REPAIR	0		5740 Espanola STP inlet room crane damaged cable	CLOSE		8/17/16 03:44 PM	8/17/16 03:44 PM	5740 Espanola STP inlet room crane damaged cable -Inlet room crane has a damaged cable and will need to be replaced before it gets used again. cable replaced on crane -Cable has been replaced by Hite and is now functioning within normal parameters.
136359	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	9/1/16 12:00 AM	9/23/16 09:34 AM	9/23/16 09:34 AM	Vehicle Chev Silver AJ81033 Inspection (1m) -Vehicle passed all running checks and inspection for the month of September.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN, 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
160458	0000259049	VEHICLE CHEV SILVER AJ81033 #215022 CHRIS MASSICOTTE	5740, Espanola WWTP, Facilities, Vehicles, Cranes, Hoists, Elevators, Fork Lifts, Tow Motors	PM	INSPECTION	1	MONTHS	Vehicle Chev Silver AJ81033 Inspect (1m)	CLOSE	10/2/16 12:00 AM	10/11/16 01:31 PM	10/11/16 01:31 PM	Vehicle Chev Silver AJ81033 Inspection (1m) -Vehicle passed all running checks on monthly inspection.
181535	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	11/1/16 12:00 AM	11/10/16 02:55 PM	11/10/16 02:55 PM	Vehicle Chev Silver AJ81033 Inspection (1m) -Vehicle passed all running checks.
203201	0000259049	VEHICLE CHEV SILVER AJ81033 #215022 CHRIS MASSICOTTE	5740, Espanola WWTP, Facilities, Vehicles, Cranes, Hoists, Elevators, Fork Lifts, Tow Motors	PM	INSPECTION	1	MONTHS	Vehicle Chev Silver AJ81033 Inspect (1m)	COMP	12/1/16 12:00 AM	1/4/17 08:54 AM	1/4/17 08:54 AM	Vehicle Chev Silver AJ81033 Inspection (1m) -Vehicle past all running checks and is operating within normal operating parameters.
94222	0000259049	VEHICLE CHEV SILVER AJ81033 #215022 CHRIS MASSICOTTE	5740, Espanola WWTP, Facilities, Vehicles, Cranes, Hoists, Elevators, Fork Lifts, Tow Motors	PM	INSPECTION	1	MONTHS	Vehicle Chev Silver AJ81033 Inspect (1m)	CLOSE	7/1/16 12:00 AM	7/30/16 10:09 AM	7/30/16 10:09 AM	Vehicle Chev Silver AJ81033 Inspection (1m) -Vehicle inspection for the month of July has been completed and all running checks were passed.
22797	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	1/1/16 12:00 AM	1/29/16 10:59 AM	1/29/16 10:59 AM	Vehicle Chev Silver AJ81033 Inspection (1m) -Completed Week 3 and 4 Inspections of Work Order as initiated in January, 2016. No concerns with vehicle maintenance or performance was noted.
32881	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	2/1/16 12:00 AM	2/26/16 08:18 AM	2/26/16 08:18 AM	Vehicle Insoection (AJ81033 -Vehicle inspections completed per work order. Noted on February 22, 2016 that 4x4 was engaging. Advised of recall for this issue. Vehicle serviced on February 25,2016 and repair was made. Oil Change also completed per schedule.
41010	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	3/1/16 12:00 AM	3/24/16 10:23 AM	3/24/16 10:23 AM	Vehicle Chev Silver AJ81033 Inspection (1m) -Completed weekly vehicle inspection per work order for the first 3 weeks of the month. No maintenance issues were identified.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN,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
53386	0000259049	VEHICLE CHEV SILVER AJ81033 #215022 CHRIS MASSICOTTE	5740, Espanola WWTP, Facilities, Vehicles, Cranes, Hoists, Elevators, Fork Lifts, Tow Motors	PM	INSPECTION	1	MONTHS	Vehicle Chev Silver AJ81033 Inspect (1m)	CLOSE	4/1/16 12:00 AM	5/13/16 11:46 AM	5/13/16 11:46 AM	Vehicle Chev Silver AJ81033 Inspection (1m) -Vehicle inspection was completed for the month of April as per work order.
65797	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	5/1/16 12:00 AM	5/31/16 06:57 AM	5/31/16 06:57 AM	Vehicle Chev Silver AJ81033 Inspection (1m) -Completed as per work order.
79037	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	6/1/16 12:00 AM	6/13/16 01:55 PM	6/13/16 01:55 PM	Vehicle Chev Silver AJ81033 Inspection (1m) -Monthly inspection has been completed as per work order.
151121	0000143057	AHU BLOWER ROOM	5740, Espanola WWTP, Facilities, HVAC, Air Handling Units and Dehumidifiers	PM	REFURBISH/ REPLACE/ REPAIR	6	MONTHS	Air Handling Inspection (6m) 5740	CLOSE	10/2/16 12:00 AM	11/1/16 11:31 AM	11/1/16 11:31 AM	Air Handling Inspection (6m) 5740 - -In the blower room the first set of louvers are stuck in the open position as well as the corresponding exhaust fan is running. -The second set of blowers appear to be working properly except that the louvers are slightly open when they should be in the fully closed position. -The 3rd set of louvers and exhaust fan appear to be working properly. -All exhaust fans were greased at moving parts and a fan belt on exhaust fan 1 was changed. -Will need to make a service call to have air handling system repaired.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN,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
189832	0000143057	AHU BLOWER ROOM	5740, Espanola WWTP, Facilities, HVAC, Air Handling Units and Dehumidifiers	CAP	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola STP air handling repairs	CLOSE		11/1/16 02:43 PM	1/31/17 03:01 AM	Metal Aire inspection/ repairs -Metal Aire came in to look at air handling issues identified in operator inspection and found several other deficiencies that will need to be addressed. For now louvers that were stuck in open position were manually put in closed position for the cold weather and will run off one exhaust fan and louver. Metal Aire is preparing a quote to fully repair/ update air handling in blower room.
191247	0000143057	AHU BLOWER ROOM	5740, Espanola WWTP, Facilities, HVAC, Air Handling Units and Dehumidifiers	CORR	REFURBISH/ REPLACE/ REPAIR	0		5740, Espanola STP, Blower Room Louvre Repairs	CLOSE		12/9/16 01:51 PM	12/9/16 01:51 PM	5740, Espanola STP, Blower Room Louvre Repairs -Repairs required to control unit and also replacement of actuators on exhaust louvres. 5740, Espanola STP, Blower Room Louvre Repairs -Metal Aire came in and repaired air handling in blower room and now exhaust fans and louvers are operating within normal operating parameters.
49862	0000143057	AHU BLOWER ROOM	5740, Espanola WWTP, Facilities, HVAC, Air Handling Units and Dehumidifiers	PM	REFURBISH/ REPLACE/ REPAIR	6	MONTHS	Air Handling Inspection (6m) 5740	CLOSE	4/1/16 12:00 AM	11/1/16 11:35 AM	11/1/16 11:35 AM	Air Handling Inspection (6m) 5740 -See work order # 151121.
49873	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	4/1/16 12:00 AM			
49894	0000227607	DEHUMIDIFIER TUNNEL	5740, Espanola WWTP, Facilities, HVAC, Air Handling Units and Dehumidifiers	PM	REFURBISH/ REPLACE/ REPAIR	1	YEARS	Dehumidifier Inspection (1y) 5740	CLOSE	4/1/16 12:00 AM	7/26/16 12:00 PM	7/26/16 12:00 PM	Dehumidifier Inspection (1y) 5740 -Dehumidifier is running within normal operating parameters and was cleaned.
49906	0000227608	DEHUMIDIFIER RAS PUMP ROOM	5740, Espanola WWTP, Facilities, HVAC, Air Handling Units and Dehumidifiers	PM	REFURBISH/ REPLACE/ REPAIR	1	YEARS	Dehumidifier Inspection (1y) 5740	CLOSE	4/1/16 12:00 AM	6/13/16 09:18 PM	6/13/16 09:18 PM	Dehumidifier Inspection (1y) 5740 -Dehumidifier is running within normal parameters, no issues found and dehumidifier was cleaned.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN,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
105694	0000143119	PANEL CONTROL PLC MCC ROOM NEXT TO BAR SCREEN	5740, Espanola WWTP, Facilities, Power Distribution, Plant Systems	CAP	REFURBISH/REPLACE/REPAIR	0		5740, Espanola WWTP, Facilities, Power Distribution, Plant Systems PLC Power Fail	COMP		1/4/17 08:44 AM	1/4/17 08:44 AM	-PLC Cabinet was continuously popping fuses due to short circuiting of solenoid on the grit vortex blowdown. Nortech installed a circuit breaker and removed the power lead on the output terminal.
171500	0000143119	PANEL CONTROL PLC MCC ROOM NEXT TO BAR SCREEN	5740, Espanola WWTP, Facilities, Power Distribution, Plant Systems	CAP	REFURBISH/REPLACE/REPAIR	0		5740 Espanola STP Inlet room PLC failure	CLOSE		10/25/16 07:43 AM	10/25/16 07:43 AM	5740 Espanola STP Inlet room PLC failure -Received call from auto dialer for anode 2 disconnection. Upon entry into inlet room it was clear that non of the equipment was running off PLC so it was restarted and all lights came on and appeared to be working. The next day nothing ran all night so another mechanic looked at issue and found there were no output signals being sent to equipment so Nor-tech as called in to fix issue. 5740 Espanola STP Inlet room PLC failure -Nor-tech replaced power supply and updated program on PLC for inlet room and is now working within normal operating parameters.

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN,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
190732	0000143119	PANEL CONTROL PLC MCC ROOM NEXT TO BAR SCREEN	5740, Espanola WWTP, Facilities, Power Distribution, Plant Systems	CAP	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola STP Inlet room PLC failure to communicate with SCADA	CLOSE		12/6/16 08:36 AM	12/6/16 08:36 AM	5740 Espanola STP Inlet room PLC failure to communicate with SCADA -Upon doing a plant check it was noticed that the air scour on the grit vortex chamber was running excessively and upon reviewing SCADA it was found there was no communication between the two. PLC was reset but had no effect. Bar screen is running at a good rate still but air scour will have to be used manually until issue is resolved. 5740 Espanola STP Inlet room PLC failure to communicate with SCADA -Nor-tech came in and resolved issue. We are now able to control PLC settings using SCADA computer.
107862	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	8/1/16 12:00 AM	8/19/16 03:05 PM	8/19/16 03:05 PM	Diesel Generator Inspection/ Functional Test (1m) 5740 -Emergency generator was tested for 2 1/2 hours and it ran within normal operating parameters and has 5/8 tank of fuel left.
127481	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	9/1/16 12:00 AM	9/15/16 08:08 AM	9/15/16 08:08 AM	Diesel Generator Inspection/ Functional Test (1m) 5740 -Tested generator for 2 hours and it ran within normal operating parameters with 5/8 tank of fuel.
150003	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	10/2/16 12:00 AM	10/19/16 02:32 PM	10/19/16 02:32 PM	Diesel Generator Inspection/ Functional Test (1m) 5740 -Emergency generator was tested for 1 hour and ran within normal operating parameters and has 7/8 tank of fuel left.
37340	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	3/1/16 12:00 AM	3/24/16 10:23 AM	3/24/16 10:23 AM	

Workorder Summary Report

Report Start Date: Jan 1, 2016 12:00 AM

Report End Date: Dec 31, 2016 11:59 PM

Location: 5740*

Work Order Type: ADMIN,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
49792	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	4/1/16 12:00 AM	4/26/16 07:26 AM	4/26/16 07:26 AM	Diesel Generator Inspection/ Functional Test (1m) 5740 -Emergency generator was tested for 1 hour and ran within normal parameters.
62508	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	5/1/16 12:00 AM	5/13/16 12:29 PM	5/13/16 12:29 PM	Diesel Generator Inspection/ Functional Test (1m) 5740 -Tested emergency generator for 1 hour 15 minutes, ran within normal operating parameters. Fuel tank 3/4 full.
74446	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	6/1/16 12:00 AM	6/8/16 06:59 AM	6/8/16 06:59 AM	Diesel Generator Inspection/ Functional Test (1m) 5740 -Generator was tested for 2 hours and ran within normal operating parameters and has 3/4 tank of fuel left.
78431	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	YEARS	Diesel Generator Inspection/ Functional Test (1y) 5740	CLOSE	6/1/16 12:00 AM	12/9/16 02:17 PM	12/9/16 02:17 PM	Diesel Generator Inspection/ Functional Test (1y) 5740 -Total power cam in to inspect generator in April and a more in depth generator test was performed in the month of December, see WO# 192999 for details.
90121	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	7/1/16 12:00 AM	7/9/16 01:57 PM	7/9/16 01:57 PM	Diesel Generator Inspection/ Functional Test (1m) 5740 -Tested generator for 2 hours and it ran within normal operating parameters and has 3/4 tank of fuel left.
173362	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	11/1/16 12:00 AM	11/7/16 03:15 PM	11/7/16 03:15 PM	Diesel Generator Inspection/ Functional Test (1m) 5740 -Tested generator for 2 hours and it ran within normal operating parameters with 5/8 tank of fuel left.
18522	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	1/1/16 12:00 AM	6/1/16 02:19 PM	6/1/16 02:19 PM	Diesel Generator Inspection/ Functional Test (1m) 5740 -Generator Test conducted per work order. No operational issues were identified.

Workorder Summary Report

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Location: 5740*

Work Order Type: ADMIN,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
192999	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	12/1/16 12:00 AM	12/9/16 02:03 PM	12/9/16 02:03 PM	Diesel Generator Inspection/ Functional Test (1m) 5740 - Ran generator for 1 hour 15min and it ran within normal operating parameters, with 3/4 tank of fuel left. -No leaks were detected Connections, hoses and wiring is good -Float charger is working -Air handling is working appropriately with generator.
29741	0000143107	GENERATOR ESPANOLA WWTP	5740, Espanola WWTP,Facilities, Power Generation	PM	REFURBISH/ REPLACE/ REPAIR	1	MONTHS	Diesel Generator Inspection/ Functional Test (1m) 5740	CLOSE	2/1/16 12:00 AM	2/26/16 08:37 AM	2/26/16 08:37 AM	Generator Test -Ran Generator, no operational issues noted.
29380	0000143785	SAFETY EYE WASH/ SHOWER FERRIC ROOM ESP WWTP	5740, Espanola WWTP, Facilities, Safety, Emergency Eyewash/ Shower	CORR	REFURBISH/ REPLACE/ REPAIR	0		5740-Domestic Pipe Break, Heating Unit, Garnets	CLOSE		1/28/16 08:23 AM	1/28/16 08:23 AM	5740-Domestic Pipe Leak, Heater Unit, Garnets Plumbing -Upon arrival at the Plant, discovered that the domestic water piping in the Ferric Room had burst and was leaking. Shut down water to plant, contacted Garnets Plumbing and Heating (see Invoice # 2357). After inspection, it was determined that the heating unit malfunctioned and the pipes froze and cracked in 4 places. The Pipes were repaired and the Heating Unit Fan has been ordered and will be replaced in the near future. In the Interim, (2) portable heating units were purchased at Home Hardware at a cost of \$115.21 (Invoice # 423028).

Workorder Summary Report

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Location: 5740*

Work Order Type: ADMIN,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
148055	0000143779	FIRE EXTINGUISHER HEADWORKS ELEC ROOM ESP WWTP	5740, Espanola WWTP, Facilities, Safety, Fire Extinguisher	CORR	REFURBISH/REPLACE/REPAIR	0		5740 Espanola STP composite sampler issue	CLOSE		9/23/16 09:19 AM	9/23/16 09:19 AM	5740 Espanola STP composite sampler issue -Composite sampler was pulling in a very small amount each time it started up and needed to be fixed in order to take a representative 24 hour sample. Pump itself was fine but there was a large amount of air infiltration so new line was ran and the strainer/filter was cleaned and composite sampler is now working within normal parameters.
62196			5740, Espanola WWTP, Process	CAP	COMPLIANCE	0		5740, Espanola STP, Effluent Online pH monitoring	APPR				5740, Espanola STP, Effluent Online pH monitoring -Nortech to supply online pH monitoring equipment
87834			5740, Espanola WWTP, Process	CAP	COMPLIANCE	0		5740, Espanola STP , Process pH meter Installation	CLOSE		8/17/16 03:48 PM	8/17/16 03:48 PM	5740, Espanola STP , Process pH meter Installation -Installation of effluent pH meter pH meter has been installed and is working within normal parameters. -pH meter has been installed and is working within normal operating parameters.
26875	0000143084	SCREEN BAR	5740, Espanola WWTP, Process, Headworks	CAP	REFURBISH/REPLACE/REPAIR	0		5740 Espanola Sewage Bar Screen Repair	CLOSE	3/1/16 09:07 AM	11/23/16 12:31 PM	11/23/16 12:31 PM	5740 Espanola Sewage Bar Screen Repair -Replace two lower drive sprockets on bar screen
49884	0000143081	CONVEYOR SCREW GRIT	5740, Espanola WWTP, Process, Headworks	PM	REFURBISH/REPLACE/REPAIR	1	YEARS	Conveyor Inspection (1y) 5740	APPR	4/1/16 12:00 AM			
106509	0000143809	METER FLOW WASTE SLUDGE ESP WWTP	5740, Espanola WWTP, Process, Process Control and Monitoring, Solids Handling	CORR	REFURBISH/REPLACE/REPAIR	0		5740 Espanola WWTP WAS flow meter in fault condition	CLOSE		7/27/16 01:29 PM	7/27/16 01:29 PM	5740 Espanola WWTP WAS flow meter in fault condition -WAS flow was in a fault condition and was not measuring the flow. Flow meter was taken offline and flow meter magnets were cleaned. Flow meter was put back online and in now working within normal parameters.

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Location: 5740*

Work Order Type: ADMIN,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
191299	0000143809	METER FLOW WASTE SLUDGE ESP WWTP	5740, Espanola WWTP, Process, Process Control and Monitoring, Solids Handling	CAP	REFURBISH/REPLACE/REPAIR	0		5740, Espanola STP, WAS Flow Meter Replacement	APPR				5740, Espanola STP, WAS Flow Meter Replacement -Replace waste activated sludge flow meter. Internal rubber lining in flow meter has failed.
171152	0000143039	BLOWER CENTRIFUGAL 01	5740, Espanola WWTP, Process, Secondary Treatment, Blower 1	PM	INSPECTION	0		5740 Espanola STP Annual inspection on blower 1	CLOSE		10/17/16 09:29 AM	10/17/16 09:29 AM	5740 Espanola STP Annual inspection on blower 1 - Oil was changed Belts are good Check valve is good Pressure relief valve is good Air filter is good No loose nuts or bolts All wires/tubing and connections looked good Blower was wiped down and cleaned Will need to purchase spare belts and air filter for future use.
171501	0000143039	BLOWER CENTRIFUGAL 01	5740, Espanola WWTP, Process, Secondary Treatment, Blower 1	CORR	PREDICTIVE MAINTENANCE	0		5740 Espanola STP spare air filter and belts for blower 1	CLOSE		12/9/16 01:47 PM	12/9/16 01:47 PM	5740 Espanola STP spare air filter and belts for blower 1 -Will need to purchase spare air filter and belts for blower 1. 5740 Espanola STP spare air filter and belts for blower 1 -Spare parts for blower have arrived.
171503	0000294006	BLOWER POSITIVE DISPLACEMENT 02 AERATION	5740, Espanola WWTP, Process, Secondary Treatment, Blower 1	CORR	REFURBISH/REPLACE/REPAIR	0		5740 Espanola STP blower 3 spare parts and belt replacement	APPR				5740 Espanola STP blower 3 spare parts and belt replacement -Will need to change out belts on blower 3 and belts will need to be changed right away. 5740 Espanola STP blower 3 spare parts and belt replacement -Spare parts have come in and belts will be changed when mechanic is free. 5740 Espanola STP blower 3 spare parts and belt replacement -Remove and replace drive belts on Blower #3.

Workorder Summary Report

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Location: 5740*

Work Order Type: ADMIN,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
171153	0000143048	MOTOR AC BLOWER 03	5740, Espanola WWTP, Process, Secondary Treatment, Blower 3	PM	INSPECTION	0		5740 Espanola STP annual inspection on blower 3	CLOSE		10/17/16 09:39 AM	10/17/16 09:39 AM	5740 Espanola STP annual inspection on blower 3 - Oil was changed and it was noticed it was a darker colour (blackish) as compared to blower 1 after its oil change Belts are deteriorating, it was noticed there was a fine black dust all over cooling fan, belt and in acoustic hood. This is most likely due to belts working under hot conditions. Will need to be replaced. Check valve is good Pressure relief valve is good Air filter is good Nuts and bolts were all tight Wiring/tubing and connections are in good condition Wiped down and cleaned blower Will need to purchase new belts to install, a spare set of belts and a spare air filter.
181300	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	CLOSE	11/1/16 12:00 AM	11/1/16 11:40 AM	11/1/16 11:40 AM	BLOWER POSTIVE DISPLACEMENT 03 OIL CHANGE (1Y) 5740 -Oil change has already been completed see work order # 171153 for details.
74663	0000143094	TANK PROCESS 01 CLARIFIER	5740, Espanola WWTP, Process, Secondary Treatment, Clarifier 1	PM	REFURBISH/REPLACE/REPAIR	1	YEARS	Clarifier Inspection (1y) 5740	CLOSE	6/1/16 12:00 AM	11/24/16 08:36 AM	11/24/16 08:36 AM	Clarifier Inspection (1y) 5740 -oil was changed several months ago but was low again so it was topped up in the gear drive box and driven gear and a couple ounces of anti-freeze were added - no wear and tear noticed on moving parts -weather proof casing on wires is deteriorating and wires are visible on the micro switch with one wire being totally cut(most likely not using micro switch any more) -nipple was greased

Workorder Summary Report

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Location: 5740*

Work Order Type: ADMIN, 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
74649	0000143091	TANK PROCESS 02 CLARIFIER	5740, Espanola WWTP, Process, Secondary Treatment, Clarifier 2	PM	REFURBISH/REPLACE/REPAIR	1	YEARS	Clarifier Inspection (1y) 5740	CLOSE	6/1/16 12:00 AM	11/24/16 08:29 AM	11/24/16 08:29 AM	Clarifier Inspection (1y) 5740 -when changing the oil, it was noticed there was little oil left in driven gear and that there was clearly some water infiltration occurring -when changing the oil in the drive gear box it was noticed there is some buildup of grit and thickened oil/sludge -weather proof casing was not covering one set of wires -drive shaft on motor was slightly bent causing it to rub against the safety guard causing some wear and tear to drive shaft and it looks like there is a small amount of lubricant leaking from this area -nipple was greased with 4 squeezes -a couple ounces of anti-freeze was added to driven gear
124700	0000143005	PUMPCENT RAS 01	5740, Espanola WWTP, Process, Secondary Treatment, RAS Pump 1	CORR	REFURBISH/REPLACE/REPAIR	0		5740 Espanola STP RAS pump #1 and 2 repairs	CLOSE		10/14/16 11:45 AM	10/14/16 11:45 AM	5740 Espanola STP RAS pump #1 and 2 repairs -Both RAS pump number 1 and 2 faulted out and would not start up without running at %80 load or higher so coupling inserts were changed and realigned and #1 is back to normal operating parameters but #2 will need shims to correctly be realigned. Spare coupling inserts will need to be purchased for each RAS pump. 5740 Espanola STP RAS pump #1 and 2 repairs -RAS pump #2 was realigned and is running within normal operating parameters and new couple inserts are at the STP.

Workorder Summary Report

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Location: 5740*

Work Order Type: ADMIN,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
107903	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	8/1/16 12:00 AM	8/17/16 03:33 PM	8/17/16 03:33 PM	UV Light Reactor Check (1m) 5740 -UV lights, channel, level sensor and pH analyzer were cleaned. The UVI sensor wire has a little bit of deterioration and is occasionally causing the sensor to read 0 intensity even though all lights are working with %100 power so it was patched with electrical tape. If problem persists repairs will be made. pH analyzer was calibrated.
125737	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	CORR	REFURBISH/ REPLACE/ REPAIR	0		5740 Espanola STP UVI troubleshooting/repairs	CLOSE		9/6/16 11:19 AM	9/6/16 11:19 AM	5740 Espanola STP UVI troubleshooting/repairs -Upon completing UV monthly inspection it was found that the UVI was at 0% with 100% power and all lamps were on. Sleeve was clean and sensor glass appeared to be clean as well. UVI sensor wire had a tear in water proof causing and is most likely the source of the issue. 5740 Espanola STP UVI troubleshooting/repairs -Nor-tech came in and spliced UVI sensor wire where there was a rip in the waterproof lining and is now reading %100 UVI with %100 power and no issues.
127522	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	9/1/16 12:00 AM	9/23/16 09:24 AM	9/23/16 09:24 AM	UV Light Reactor Check (1m) 5740 -One lamp burnt out and had to be replaced. UV channel, lights level sensor and pH analyzer were cleaned and pH analyzer was calibrated. Also replaced a couple missing screws on a support bracket for the sleeves on the UV lights.
150058	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	10/2/16 12:00 AM	11/1/16 11:21 AM	11/1/16 11:21 AM	UV Light Reactor Check (1m) 5740 -UV lights, pH probe, level sensor and sampler strainer were cleaned and pH probe was calibrated.

Workorder Summary Report

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

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				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
173407	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	11/1/16 12:00 AM	11/29/16 10:07 AM	11/29/16 10:07 AM	UV Light Reactor Check (1m) 5740 -UV lights, pH probe, composite sampler strainer and level sensor were all cleaned. pH probe was calibrated and it was noticed that the UV lights are going through several cycles on some nights shutting the UV lights off 2 to 4 times a night due to low water level and this has occurred twice in front of an operating when there was good flow through the lights. Manager will be informed and issue will be looked into further. Also notice a missing screw on the support bracket on UVI crystal sleeve which will be replaced asap.
18550	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	1/1/16 12:00 AM	1/29/16 10:52 AM	1/29/16 10:52 AM	UV Light Reactor Check (1m) 5740 -Completed by Operator Victor Robinson on January 27, 2015.
74474	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	6/1/16 12:00 AM	6/30/16 11:42 AM	6/30/16 11:42 AM	UV Light Reactor Check (1m) 5740 -2 U.V. lamps burnt out and were replaced, lights were clean, flow and level sensors were cleaned and pH analyzer was calibrated and cleaned.
90166	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	7/1/16 12:00 AM	7/15/16 12:59 PM	7/15/16 12:59 PM	UV Light Reactor Check (1m) 5740 -UV lights are functioning within normal parameters, level sensors, UV lights and channel were cleaned and pH analyzer was calibrated.
193042	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	12/1/16 12:00 AM	12/9/16 02:14 PM	12/9/16 02:14 PM	UV Light Reactor Check (1m) 5740 -UV lights, composite sampler strainer, pH probe and level sensors were all cleaned. pH analyzer was calibrated, a burnt out lamp on module 1 was replaced, still having some issues with lights shutting down for periods of time due to low water level will be investigating issue further.

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				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
29769	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	2/1/16 12:00 AM	2/26/16 08:28 AM	2/26/16 08:28 AM	UV Light Reactor Check -Completed UV Light Reactor Check per work order. Replaced UV Bulb and cleaned Sleeves and Channel.
29793	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	REFURBISH/ REPLACE/ REPAIR	1	YEARS	UV Reactor Inspection (1y) 5740	CLOSE	2/1/16 12:00 AM	2/26/16 08:32 AM	2/26/16 08:32 AM	UV Reactor Inspection. -Completed work order per instruction. Replaced bulb and cleaned sleeves.
37368	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	3/1/16 12:00 AM	3/11/16 09:21 AM	3/11/16 09:21 AM	UV Light Reactor Check (1m) 5740 -Completed UV Reactor Check and cleaning per work order.
49820	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	4/1/16 12:00 AM	4/29/16 02:34 PM	4/29/16 02:34 PM	UV Light Reactor Check (1m) 5740 -Completed UV reactor check, UV system is running within normal parameters, UV light sleeves, flow sensor and intensity sensor were cleaned.
62536	0000142682	UV REACTOR	5740, Espanola WWTP, Process, Tertiary Treatment	PM	INSPECTION	1	MONTHS	UV Light Reactor Check (1m) 5740	CLOSE	5/1/16 12:00 AM	5/20/16 12:29 PM	5/20/16 12:29 PM	UV Light Reactor Check (1m) 5740 -UV lights are operating within normal parameters. UV light intensity sensor, flow sensor and UV light channel were cleaned.