

March 31st, 2014

Ms. Jacqueline Fuller
Drinking Water Supervisor,
Safe Drinking Water Branch – Peterborough District
Ministry of Environment
300 Water Street South
2nd Floor, South Tower
K9J 8M5

Re: 2013 Performance Report for Minden Hills Wastewater Treatment Facility

Attached is the 2013 Performance Report for the **Minden Hills Wastewater Treatment Facility** located at 1 Orde St in the Township of Minden Hills. This report has been completed in accordance with Condition No 4.4 cited in Certificate of Approval # 1327-54GR8J dated January 31, 2002 and issued to The Township of Minden Hills.

This report was prepared by the Ontario Clean Water Agency on behalf of The Township of Minden Hills based on the information we have in our records. The report covers the period from January 1, 2013 to December 31, 2013.

Sincerely,

Stewart Hurd
Process Compliance Technician
Kawartha Hub
Ontario Clean Water Agency
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Appendix II: Chemical Use
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Appendix V: Calibration Reports
Appendix VI: WPCP Flooding Event

cc: David Bradley
District Manager (A)
Peterborough District
Ministry of the Environment

2013 Performance Report for Minden Hills Wastewater Treatment Facility

The Certificate of Approval #1327-54GR8J, for the Minden Wastewater Treatment Facility stipulates that the operating authority for the following conditions shall maintain annual records including,

- (a) a summary of all monitoring data including an overview of the success and adequacy of the sewage treatment program;*
- (b) a comprehensive interpretation of all monitoring and analytical data obtained during the reporting period, and a comparison to the effluent quality and quantity criteria described in conditions 1.1 through 1.6 (1.7);*
- (c) a summary of any effluent quality assurance or control measures undertaken during the reporting period;*
- (d) a summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming a part of the works;*
- (e) an account of any environmental and operating problems encountered at the site of the sewage treatment plant and the mitigative measures taken during the reporting period;*
- (f) a summary of any alterations, extensions or replacements in the process or operation of the works which are considered for implementation over the next reporting period, especially those which may require approval under the Ontario Water Resources Act;*
- (g) a tabulation of the volume of sludge generated in the reporting period and an outline of anticipated volumes to be generated in the next reporting period;*
- (h) an outline of the proposed sludge handling methods and disposal areas to be utilized over the next reporting period;*
- (i) a summary of the calibration and maintenance procedures conducted on all monitoring equipment;*

and submit in an annual report to the Ministry of the Environment's District Office.

The following is a report from the records maintained by the Ontario Clean Water Agency for the Minden WWTP for the calendar year 2013:

(a,b) Appendix I attached, is a copy of the 2013 **Performance Assessment Report** for the Minden WWTP. The PAR contains: a tabulation of all monthly average raw sewage and final effluent sample results obtained during the reporting period, a tabulation of average daily flows, and monthly volumes for the reporting period, and a tabulation of calculated total loading of CBOD5, suspended solids, total phosphorus, and ammonia + ammonium as N concentrations in the final effluent.

The following table shows the average concentration of the effluent parameters with their percent removal efficiencies of CBOD, suspended solids and phosphorus. The plant performed very well and was able to meet the effluent objectives for CBOD, suspended solids phosphorus and ammonia.

Effluent Parameter	Effluent Limit (mg/L)	Effluent Objective (mg/L)	2013 Annual Avg (mg/L)	% Removal	Loading Limit (kg/day)	2013 Annual Average (kg/day)
CBOD5	15	10	3.13	94.5	14.18	2.07
Suspended Solids	15	10	3.5	93.8	14.18	2.47
Total Phosphorus	0.5	0.3	0.06	97.2	0.47	0.038
Ammonia Oct 1-Apr 30	6	<3	<0.1	n/a	5.7	0.062
Ammonia May 1-Sep 30	12	<6	0.16	n/a	11.3	0.103

The peak daily flow in 2013 was 2,990m³ on May 2nd, 2013 – approximately 87% of the max daily peak capacity of 3,410 m³ set in the Certificate of Approval Section 1.1. The average daily flow of sewage in 2013 was 644m³ also well below the rated capacity of 945m³ set in Section 1.1. The plant operated at approximately 68% of its rated capacity throughout the calendar year.

The monthly geometric mean density of E. Coli in the final effluent is calculated using a single grab sample each month and did exceed the 200 organisms/100 mL requirement of Condition 1.7 of the Certificate of Approval for the month of January with an individual result of 920cfu/100mL collected on January 3rd, 2013. The exceedance was verbally reported to the MOE and follow up on plant operations suggested no reason for the high level of e-coli as the chlorine residual for the day was 0.21mg/L and all other sample results (CBOD, TSS, phosphorus, ammonia) were well below their compliance limits as routinely observed. The following e-coli result was <2cfu/100mL collected on February 7th, 2013. The eleven months following were all well below the monthly limit outlined within the facility certificate of approval.

Attached as, **Appendix II** is a summary of **chemical usage** (alum and chlorine) for the year.

The chlorine residual is not to exceed 0.5 mg/l as set out in Section 1.4 of the Certificate of Approval. There were no instances in 2013 where the residual was recorded as greater than 0.5 mg/L.

Disinfection				
Effluent Parameter	C of A Effluent Limit (mg/L)	C of A Effluent Objective (mg/L)	2013 Annual Average (mg/l)	2013 Annual Maximum (mg/l)
Total Chlorine Residual (mg/L)	0.5	0.2	0.19	0.47

- (c) Effluent quality assurance is maintained several ways. Laboratory samples are sent to accredited laboratory (SGS Lakefield) for analysis of all effluent parameters. Sampling calendars issued to the operator denote frequency of sampling and these calendars are submitted to the Process Compliance Technician at the end of each month. Work orders illustrating all scheduled and preventative maintenance to be completed are issued to the operator and/or mechanic. Upon completion the work orders are sent to the Operations and Maintenance Team Lead, who updates OCWA's Hansen system (please see Maintenance Summary attached as Appendix 4). OCWA conducts internal audits of the facility and develops Action Plans to ensure deficiencies are identified. The most recent Ministry of Environment Inspection was conducted at the facility on January 19th, 2010.
- (d) Attached is **Appendix III: Maintenance Summary**
- (e) Two tertiary filter by-pass events occurred due to runoff from a main break in the distribution system on March 5th, 2013 and heavy rainfall and melting snow on Apr 19-20th, 2013. All events were reported to MOH and MOE and all required samples were collected on each day of the bypass events. A complete by-pass of the facility including sewage pumping station #1, treatment plant and tertiary filter was carried out from Apr 22 – May 6th, 2013 due to severe flooding of the Gull River which caused a State of Emergency within the Township of Minden Hills. Please see **Appendix VI: WPCP Flood Event** for details surrounding the entire event.
- (f) Replacement of the existing Comminuter is to be carried out in 2014 as it is inefficient due to age and allows solids/debris to pass through and collect within the treatment process. Replacement of the existing blowers (2) with a more efficient (turbo) blower along with coarse air replacement using fine air in the existing aeration tanks.
- (g) Attached is **Appendix IV: Biosolids Summary** that contains quantities of organics, inorganics, e-coli and volumes of sludge generated for the reporting period - which was a total of 1,070m³. There was a 19% increase in hauled sludge volume from 2012 - 2013 (total sludge hauled in 2012 was 895m³). The anticipated volume for the next reporting period is not expected to be appreciably different from this reporting period.
- (h) No change expected from the current sludge handling methods and disposal areas currently utilized. Sewage Biosolids are currently removed by Shepherd Septic Services under Provisional Certificate of Approval Number A710160.
- (i) Attached is **Appendix V: Calibration reports** which contains copies of the 2013 calibration reports for monitoring equipment.

End.



Appendix I:

Performance Assessment Report



Ontario Clean Water Agency Performance Assessment Report Wastewater/Lagoon

From 01/01/2013 to 12/31/2013

Facility: [5839] - Minden Hills Wastewater Treatment Plant
Works: [110002390] - Minden Hills Wastewater Treatment Plant

	01/2013	02/2013	03/2013	04/2013	05/2013	06/2013	07/2013	08/2013	09/2013	10/2013	11/2013	12/2013	<-- Total -->	<-- Avg. -->	<-- Max. -->	<-- Criteria-->
Flow:																
Raw: Total Flow 1000 m3	15.241	12.345	15.835	15.242	35.876	21.083	17.702	15.646	15.494	19.815	25.693	18.152	228.124			
Raw: Avg. Day Flow 1000 m3/day	0.492	0.441	0.511	0.802	1.157	0.703	0.571	0.505	0.516	0.639	0.856	0.586		0.644		
Raw: Max. Day Flow 1000 m3/day	0.729	0.563	0.798	1.596	2.99	1.003	0.608	0.586	0.688	0.935	1.249	0.704			2.99	
Eff: Total Flow 1000 m3	15.241	12.345	15.835	15.242	35.876	21.083	17.702	15.646	15.494	19.815	25.693	18.152	228.124			
Eff: Avg. Day Flow 1000 m3/day	0.492	0.441	0.511	0.802	1.157	0.703	0.571	0.505	0.516	0.639	0.856	0.586		0.644		
Eff: Max. Day Flow 1000 m3/day	0.729	0.563	0.798	1.596	2.99	1.003	0.608	0.586	0.688	0.935	1.249	0.704			2.99	
Carbonaceous Biochemical Oxygen Demand:																
Raw: Avg. CBOD5 (mg/L)	62.0	61.0	84.0	55.5	23.0	103.0	184.0	64.0	87.0	110.0	90.0	50.0		81.125	184.0	
Raw: Number of Samples CBOD5	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	14.0			
Eff: Avg. CBOD5 (mg/L)	4.0	4.0	3.5	4.0	4.0	2.0	2.0	4.0	2.0	2.0	4.0	2.0		3.125	6.0	15.0
Eff: Number of Samples CBOD5	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	14.0			
CBOD5 Loading (kg/d)	1.967	1.764	1.788	3.209	4.629	1.406	1.142	2.019	1.033	1.278	3.426	1.171		2.069	4.629	
CBOD5 Percent Removal	93.548	93.443	95.833	92.793	82.609	98.058	98.913	93.75	97.701	98.182	95.556	96.0			98.913	
Suspended Solids:																
Raw: Avg. SS (mg/L)	49.0	45.0	48.0	61.5	29.0	130.0	194.0	60.0	64.0	96.0	60.0	34.0		72.542	194.0	
Raw: Number of Samples SS	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	14.0			
Eff: Avg. SS (mg/L)	2.0	3.0	4.5	3.5	2.0	2.0	2.0	2.0	2.0	2.0	15.0	2.0		3.5	15.0	15.0
Eff: Number of Samples SS	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	14.0			
SS Loading (kg/d)	0.983	1.323	2.299	2.808	2.315	1.406	1.142	1.009	1.033	1.278	12.847	1.171		2.468	12.847	
SS Percent Removal	95.918	93.333	90.625	94.309	93.103	98.462	98.969	96.667	96.875	97.917	75.0	94.118			98.969	
Phosphorus:																
Raw: Avg. Phos (mg/L)	1.75	1.819	1.43	1.191	2.294	3.491	4.074	2.87	2.042	2.231	2.015	1.834		2.253	7.04	
Raw: Number of Samples Phos	14.0	12.0	12.0	14.0	14.0	12.0	14.0	13.0	13.0	14.0	12.0	14.0	158.0			

Note: 1. The Total, Average, Max and Criteria summaries are not included in the wastewater XML files submitted to the MOE.
2. The annual average concentrations are calculated by taking the arithmetic mean of the monthly average concentration in the effluent calculated for any particular calendar year.

Parameters List: OCWA PDC - MEWS

CBOD5 - Carbonaceous Biochemical Oxygen Demand 5 Day; BOD5 - Biochemical Oxygen Demand, 5 Day, Total Demand; Suspended Solids - Residue, Particulate; NH3 + NH4 as N - Ammonium + Ammonia, Total Unfil. React. ; Total Phosphorus - Phosphorus, Unfiltered Total
TKN - Nitrogen, Total Kjeldahl Unf. Tot; Nitrate as N - Nitrate, Unfiltered Reactive; Nitrite as N - Nitrite, Unfiltered Reactive; E coli - Escherichia Coli MF

Legend:

Tag group:

Dis-Disinfection, Eff-Final Effluent, Raw-Raw Sewage



Ontario Clean Water Agency Performance Assessment Report Wastewater/Lagoon

From 01/01/2013 to 12/31/2013

Facility: [5839] - Minden Hills Wastewater Treatment Plant
Works: [110002390] - Minden Hills Wastewater Treatment Plant

	01/2013	02/2013	03/2013	04/2013	05/2013	06/2013	07/2013	08/2013	09/2013	10/2013	11/2013	12/2013	<-- Total -->	<-- Avg. -->	<-- Max. -->	<-- Criteria-->
Phosphorus:																
Eff: Avg. Phos (mg/L)	< 0.046	< 0.058	< 0.04	< 0.044	< 0.046	< 0.048	< 0.066	< 0.068	< 0.045	< 0.077	0.084	< 0.082		< 0.059	0.55	0.5
Eff: Number of Samples Phos	14.0	12.0	12.0	14.0	14.0	12.0	14.0	13.0	12.0	14.0	12.0	14.0	157.0			
Phos. Loading (kg/d)	< 0.023	< 0.026	< 0.02	< 0.036	< 0.053	< 0.034	< 0.038	< 0.035	< 0.023	< 0.049	0.072	< 0.048		< 0.038	0.072	
Total Phos Percent Removal	< 97.347	< 96.793	< 97.203	< 96.281	< 98.007	< 98.615	< 98.37	< 97.615	< 97.796	< 96.543	95.823	< 95.522			98.615	
Nitrogen Series:																
Raw: Avg. NH3 + NH4 (mg/L)			18.4	3.8										11.1	18.4	
Raw: Number of Samples NH3 + NH4			1.0	1.0									2.0			
Eff: Avg. NH3 + NH4 (mg/L)	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.125	0.4	6.0
Eff: Number of Samples NH3 + NH4	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	14.0			
NH3 + NH4 Loading (kg/d)	< 0.049	< 0.044	< 0.051	< 0.08	< 0.116	< 0.07	0.228	< 0.05	< 0.052	< 0.064	< 0.086	0.059		< 0.079	0.228	
Raw: Avg. TKN (mg/L)	21.6	21.3	18.6	29.8	10.3	29.1	33.9	21.6	22.0	23.7	15.1	28.3		22.942	33.9	
Raw: # of SamplesTKN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0			
Disinfection:																
Eff: Geometric Mean E. Coli per 100 ml	920.0	< 2.0	< 169.706	< 6.633	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	12.0		< 7.195	920.0	200.0
Eff: Number of Samples E. Coli per 100 ml	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0				

Note: 1. The Total, Average, Max and Criteria summaries are not included in the wastewater XML files submitted to the MOE.

2. The annual average concentrations are calculated by taking the arithmetic mean of the monthly average concentration in the effluent calculated for any particular calendar year.

Parameters List: OCWA PDC - MEWS

CBOD5 - Carbonaceous Biochemical Oxygen Demand 5 Day; BOD5 - Biochemical Oxygen Demand, 5 Day, Total Demand; Suspended Solids - Residue, Particulate; NH3 + NH4 as N - Ammonium + Ammonia, Total Unfil. React. ; Total Phosphorus - Phosphorus, Unfiltered Total
TKN - Nitrogen, Total Kjeldahl Unf. Tot; Nitrate as N - Nitrate, Unfiltered Reactive; Nitrite as N - Nitrite, Unfiltered Reactive; E coli - Escherichia Coli MF

Legend:

Tag group:

Dis-Disinfection, Eff-Final Effluent, Raw-Raw Sewage

Appendix II: Chemical Usage



Ontario Clean Water Agency Monthly Process Data Report

Municipality: Township of Anson Minden Hills
 Facility: [5839] - Minden Hills Wastewater Treatment Plant
 Works: [110002390] - Minden Hills Wastewater Treatment Plant
 Classification: Class 2 Wastewater Collection, Class 2 Wastewater Treatment
 Receiver: Gull River

Period: 01/01/2013 to 12/31/2013
 Serviced Population: 1,300
 Total Design Capacity(m³/day): 3,410.0

	Jan/2013	Feb/2013	Mar/2013	Apr/2013	May/2013	Jun/2013	Jul/2013	Aug/2013	Sep/2013	Oct/2013	Nov/2013	Dec/2013	<-- Summary -->
Phosphorus Removal\Chem. Add													
Coagulant (kg)													
Avg	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Sum	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	750.0	25.0	25.0	25.0	1,025.0
Dosage (mg/L)													
Avg	51.482	57.439	50.255	23.88	26.539	36.41	43.69	50.074	48.733	40.242	29.57	43.568	41.774
Sum	1,595.95	1,608.3	1,557.9	716.4	822.7	1,092.3	1,354.4	1,552.3	1,462.0	1,247.5	887.1	1,350.6	15,247.45
Disinfection\Disinfection - Disinfection													
Hypochlorite Dosage (mg/L)													
Avg	5.182	5.676	5.215	2.618	3.571	3.569	4.688	5.194	5.783	4.341	3.175	4.278	4.438
Sum	160.63	158.94	161.66	78.53	110.7	107.06	145.34	161.01	173.49	134.58	95.25	132.61	1,619.8
Hypochlorite as Chlorine (kg)													
Avg	2.513	2.466	2.599	2.848	3.388	2.502	2.693	21.726	2.993	2.695	2.69	2.472	4.331
Sum	77.89	69.04	80.56	85.45	105.04	75.06	83.49	673.5	89.79	83.56	80.7	76.62	1,580.7
Total Chlorine Res. (mg/L)													
Avg	0.218	0.17	0.155	0.164	0.289	0.199	0.185	0.188	0.185	0.157	0.142	0.208	0.187
Max	0.37	0.27	0.33	0.41	0.47	0.36	0.3	0.26	0.35	0.29	0.38	0.37	0.47

Note: ? Calculation not verifiable. At least one result reported as < and at least one result reported >.

Appendix III:
Maintenance Summary

WO #	Equipment #	Equipment Description	Completion Date	Comments
2755519	0000158725	ALARM DIALER SPS 3	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755520	0000168375	COMPRESSOR AIR 02 LAGOON	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755521	0000158850	COMPRESSOR AIR 03 LAGOON	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755522	0000168377	COMPRESSOR AIR 04 LAGOON	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755523	0000168345	ENGINE DIESEL GENERATOR SPS 3	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755524	0000168353	METER FLOW LAGOON DISCH SPS 3	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755525	0000168388	METER LEVEL WETWELL SPS 1	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755526	0000168383	METER LEVEL 02 WETWELL SPS 2	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)

2755527	0000168349	METER LEVEL WETWELL SPS 3	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755528	0000168387	PANEL CONTROL PUMPS SPS 01	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755529	0000168382	PANEL CONTROL PUMPS SPS 02	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755530	0000168363	PANEL CONTROL PUMP 01 SPS 03	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755531	0000168364	PANEL CONTROL PUMP 02 SPS 3	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755532	0000168372	PANEL CONTROL SPS 4 LAGOON	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755533	0000168346	PANEL TRANSFER/CONTROL SPS 3	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755534	0000168347	PANEL TRANSFER/CONTROL SPS 3	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755535	0000168360	PUMP DIAPH ALUM NEARSIDE SPS 3	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755536	0000168359	PUMP DIAPH ALUM FAR SIDE SPS 3	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)

2755537	0000168384	PUMP SUBM 01 SPS 1 COBOCONK	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755538	0000168385	PUMP SUBM 02 SPS 1 COBOCONK	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755539	0000168379	PUMP SUBM 01 SPS 2 COBOCONK	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755540	0000168380	PUMP SUBM 02 SPS 2 COBOCONK	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755541	0000168370	PUMP SUBM 01 SPS 4 LAGOON COBOCONK	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755542	0000168373	PUMP SUBM 02 SPS 4 LAGOON COBOCONK	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755543	0000168350	PUMP SUBM 01 SPS 3 COBOCONK	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755544	0000168351	PUMP SUBM 02 SPS 3 COBOCONK	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755545	0000168365	PUMP SUBM SUMP 01 EMPTY BERM SPS 3	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755546	0000168366	PUMP SUBM SUMP 02 ALUM PIT SPS 3	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)

2755547	0000192318	OUTPOST 5	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755548	0000192323	OUTPOST 5 SPS 02	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755549	0000192324	OUTPOST 5 SPS 01	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755550	0000192317	METER FLOW RAW SEWAGE SPS 3	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755551	0000192325	METER LEVEL WETWELL SPS 1	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755552	0000192319	BATTERY CHARGER SPS 3	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755553	0000192704	COMPRESSOR AIR 01 LAGOON	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755554	0000192705	PUMP CENT DOMESTIC WATER SPS 3	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755555	0000168344	GENERATOR ELECTRIC SPS 3	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755556	0000192877	METER FLOW LAGOON DISCH SPS 3	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)

2755557	0000168368	SAMPLER PORTABLE SPS 3	01/31/2013	JAN. 03/13 - 1.5 HRS. JAN. 11/13 - 1.5 HRS. JAN. 17/13 - 2.0 HRS. JAN. 23/13 - 2.0 HRS. JAN. 28/13 - 1.5 HRS. 8.5 HRS. (KS)
2755853	0000158725	ALARM DIALER SPS 3	01/17/2013	High Level Alarms Date SPS 1 <hr/> SPS 2 <hr/> SPS 3 <hr/> WORKING WITH NEWTONS ELECTRIC - ALARM HOOKUPS & TESTING FOR NEW SCADA (KS)
2755855	0000168345	ENGINE DIESEL GENERATOR SPS 3	01/24/2013	
2755856	0000168345	ENGINE DIESEL GENERATOR SPS 3	12/12/2013	DAVID WELLS PERFORMED ANNUAL ON DEC. 12, 2013. INCLUDES LABOUR, PARTS, MILEAGE, & HST. SEE ATTACHED REPORT. (JJ)
2755858	0000168358	TANK ALUM SPS 3	01/29/2013	
2755861	0000192317	METER FLOW RAW SEWAGE SPS 3	11/25/2013	MEASUREMAX PERFORMED ANNUAL ON NOV. 25, 2013. SEE ATTACHED REPORT. (JJ) MEASUREMAX ANNUAL INVOICE FOR NOV. 25, 2013. INCLUDES LABOUR, & HST. SEE ATTACHED REPORT. (JJ)
2755865	0000192877	METER FLOW LAGOON DISCH SPS 3	11/25/2013	MEASUREMAX PERFORMED ANNUAL ON NOV. 25, 2013. SEE ATTACHED REPORT. (JJ) MEASUREMAX ANNUAL INVOICE FOR NOV. 25, 2013. INCLUDES LABOUR, & HST. SEE ATTACHED REPORT. (JJ)
2755866	0000208446	SPILL KIT 16	01/25/2013	
2755867		Facility	01/29/2013	
2755868		Facility	01/24/2013	
2755869		Facility	01/29/2013	SOME MINOR REPAIRS GATES NEED ADJUSTMENT REPLACE & ADD SIGNAGE @ LAGOON STEAM CLEAN/WASH ALUM CONTAINMENT AREA ALL IN PROGRESS SHORTLY (KS)
2755871		Facility	04/17/2013	MANNING (KS)
2755872		Facility	01/29/2013	
2755873		Facility	01/29/2013	
2755874		Facility	12/04/2013	
2755875		Facility	02/22/2013	

2802398	0000158725	ALARM DIALER SPS 3	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802399	0000168375	COMPRESSOR AIR 02 LAGOON	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802400	0000158850	COMPRESSOR AIR 03 LAGOON	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802401	0000168377	COMPRESSOR AIR 04 LAGOON	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802402	0000168345	ENGINE DIESEL GENERATOR SPS 3	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802403	0000168353	METER FLOW LAGOON DISCH SPS 3	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802404	0000168388	METER LEVEL WETWELL SPS 1	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802405	0000168383	METER LEVEL 02 WETWELL SPS 2	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802406	0000168349	METER LEVEL WETWELL SPS 3	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802407	0000168387	PANEL CONTROL PUMPS SPS 01	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802408	0000168382	PANEL CONTROL PUMPS SPS 02	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802409	0000168363	PANEL CONTROL PUMP 01 SPS 03	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)

2802410	0000168364	PANEL CONTROL PUMP 02 SPS 3	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802411	0000168372	PANEL CONTROL SPS 4 LAGOON	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802412	0000168346	PANEL TRANSFER/CONTROL SPS 3	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802413	0000168347	PANEL TRANSFER/CONTROL SPS 3	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802414	0000168360	PUMP DIAPH ALUM NEARSIDE SPS 3	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802415	0000168359	PUMP DIAPH ALUM FAR SIDE SPS 3	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802416	0000168384	PUMP SUBM 01 SPS 1 COBOCONK	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802417	0000168385	PUMP SUBM 02 SPS 1 COBOCONK	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802418	0000168379	PUMP SUBM 01 SPS 2 COBOCONK	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802419	0000168380	PUMP SUBM 02 SPS 2 COBOCONK	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802420	0000168370	PUMP SUBM 01 SPS 4 LAGOON COBOCONK	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802421	0000168373	PUMP SUBM 02 SPS 4 LAGOON COBOCONK	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)

2802422	0000168350	PUMP SUBM 01 SPS 3 COBOCONK	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802423	0000168351	PUMP SUBM 02 SPS 3 COBOCONK	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802424	0000168365	PUMP SUBM SUMP 01 EMPTY BERM SPS 3	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802425	0000168366	PUMP SUBM SUMP 02 ALUM PIT SPS 3	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802426	0000192318	OUTPOST 5	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802427	0000192323	OUTPOST 5 SPS 02	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802428	0000192324	OUTPOST 5 SPS 01	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802429	0000192317	METER FLOW RAW SEWAGE SPS 3	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802430	0000192325	METER LEVEL WETWELL SPS 1	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802431	0000192319	BATTERY CHARGER SPS 3	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802432	0000192704	COMPRESSOR AIR 01 LAGOON	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802433	0000192705	PUMP CENT DOMESTIC WATER SPS 3	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)

2802434	0000168344	GENERATOR ELECTRIC SPS 3	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802435	0000192877	METER FLOW LAGOON DISCH SPS 3	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802436	0000168368	SAMPLER PORTABLE SPS 3	02/28/2013	FEB. 06/13 - 1.0 HR. FEB. 13/13 - 1.0 HR. FEB. 22/13 - 1.0 HR. FEB. 27/13 - 1.0 HR. 4.0 HRS. (KS)
2802556	0000158725	ALARM DIALER SPS 3	02/27/2013	High Level Alarms Date SPS 1 <hr/> SPS 2 <hr/> SPS 3 <hr/>
2802557	0000168345	ENGINE DIESEL GENERATOR SPS 3	02/27/2013	
2802558		Facility	02/27/2013	
2802559		Facility	02/27/2013	
2802560		Facility	02/26/2013	
2822629	0000158725	ALARM DIALER SPS 3	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822630	0000168375	COMPRESSOR AIR 02 LAGOON	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822631	0000158850	COMPRESSOR AIR 03 LAGOON	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822632	0000168377	COMPRESSOR AIR 04 LAGOON	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822633	0000168345	ENGINE DIESEL GENERATOR SPS 3	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)

2822634	0000168353	METER FLOW LAGOON DISCH SPS 3	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822635	0000168388	METER LEVEL WETWELL SPS 1	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822636	0000168383	METER LEVEL 02 WETWELL SPS 2	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822637	0000168349	METER LEVEL WETWELL SPS 3	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822638	0000168387	PANEL CONTROL PUMPS SPS 01	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822639	0000168382	PANEL CONTROL PUMPS SPS 02	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822640	0000168363	PANEL CONTROL PUMP 01 SPS 03	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822641	0000168364	PANEL CONTROL PUMP 02 SPS 3	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822642	0000168372	PANEL CONTROL SPS 4 LAGOON	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822643	0000168346	PANEL TRANSFER/CONTROL SPS 3	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822644	0000168347	PANEL TRANSFER/CONTROL SPS 3	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)

2822645	0000168360	PUMP DIAPH ALUM NEARSIDE SPS 3	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822646	0000168359	PUMP DIAPH ALUM FAR SIDE SPS 3	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822647	0000168384	PUMP SUBM 01 SPS 1 COBOCONK	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822648	0000168385	PUMP SUBM 02 SPS 1 COBOCONK	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822649	0000168379	PUMP SUBM 01 SPS 2 COBOCONK	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822650	0000168380	PUMP SUBM 02 SPS 2 COBOCONK	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822651	0000168370	PUMP SUBM 01 SPS 4 LAGOON COBOCONK	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822652	0000168373	PUMP SUBM 02 SPS 4 LAGOON COBOCONK	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822653	0000168350	PUMP SUBM 01 SPS 3 COBOCONK	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822654	0000168351	PUMP SUBM 02 SPS 3 COBOCONK	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822655	0000168365	PUMP SUBM SUMP 01 EMPTY BERM SPS 3	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)

2822656	0000168366	PUMP SUBM SUMP 02 ALUM PIT SPS 3	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822657	0000192318	OUTPOST 5	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822658	0000192323	OUTPOST 5 SPS 02	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822659	0000192324	OUTPOST 5 SPS 01	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822660	0000192317	METER FLOW RAW SEWAGE SPS 3	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822661	0000192325	METER LEVEL WETWELL SPS 1	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822662	0000192319	BATTERY CHARGER SPS 3	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822663	0000192704	COMPRESSOR AIR 01 LAGOON	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822664	0000192705	PUMP CENT DOMESTIC WATER SPS 3	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822665	0000168344	GENERATOR ELECTRIC SPS 3	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822666	0000192877	METER FLOW LAGOON DISCH SPS 3	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)

2822667	0000168368	SAMPLER PORTABLE SPS 3	03/31/2013	MAR. 04/2013 - 1 HR. MAR. 13/2013 - 1 HR. MAR. 18/2013 - 1 HR. MAR. 28/2013 - 1 HR. 4 HRS. (KS)
2822792	0000158725	ALARM DIALER SPS 3	03/23/2013	High Level Alarms Date SPS 1 <hr/> SPS 2 <hr/> SPS 3 <hr/>
2822793	0000168345	ENGINE DIESEL GENERATOR SPS 3	03/23/2013	
2822794	0000168389	LAGOON CELL NORTH	03/21/2013	
2822795	0000168390	LAGOON CELL SOUTH	03/21/2013	
2822796		Facility	03/13/2013	
2822797		Facility	03/28/2013	
2822798		Facility	03/13/2013	
2847004	0000158725	ALARM DIALER SPS 3	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847005	0000168375	COMPRESSOR AIR 02 LAGOON	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847006	0000158850	COMPRESSOR AIR 03 LAGOON	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847007	0000168377	COMPRESSOR AIR 04 LAGOON	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847008	0000168345	ENGINE DIESEL GENERATOR SPS 3	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847009	0000168353	METER FLOW LAGOON DISCH SPS 3	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)

2847010	0000168388	METER LEVEL WETWELL SPS 1	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847011	0000168383	METER LEVEL 02 WETWELL SPS 2	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847012	0000168349	METER LEVEL WETWELL SPS 3	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847013	0000168387	PANEL CONTROL PUMPS SPS 01	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847014	0000168382	PANEL CONTROL PUMPS SPS 02	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847015	0000168363	PANEL CONTROL PUMP 01 SPS 03	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847016	0000168364	PANEL CONTROL PUMP 02 SPS 3	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847017	0000168372	PANEL CONTROL SPS 4 LAGOON	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847018	0000168346	PANEL TRANSFER/CONTROL SPS 3	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847019	0000168347	PANEL TRANSFER/CONTROL SPS 3	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)

2847020	0000168360	PUMP DIAPH ALUM NEARSIDE SPS 3	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847021	0000168359	PUMP DIAPH ALUM FARSSIDE SPS 3	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847022	0000168384	PUMP SUBM 01 SPS 1 COBOCONK	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847023	0000168385	PUMP SUBM 02 SPS 1 COBOCONK	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847024	0000168379	PUMP SUBM 01 SPS 2 COBOCONK	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847025	0000168380	PUMP SUBM 02 SPS 2 COBOCONK	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847026	0000168370	PUMP SUBM 01 SPS 4 LAGOON COBOCONK	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847027	0000168373	PUMP SUBM 02 SPS 4 LAGOON COBOCONK	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847028	0000168350	PUMP SUBM 01 SPS 3 COBOCONK	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847029	0000168351	PUMP SUBM 02 SPS 3 COBOCONK	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)

2847030	0000168365	PUMP SUBM SUMP 01 EMPTY BERM SPS 3	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847031	0000168366	PUMP SUBM SUMP 02 ALUM PIT SPS 3	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847032	0000192318	OUTPOST 5	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847033	0000192323	OUTPOST 5 SPS 02	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847034	0000192324	OUTPOST 5 SPS 01	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847035	0000192317	METER FLOW RAW SEWAGE SPS 3	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847036	0000192325	METER LEVEL WETWELL SPS 1	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847037	0000192319	BATTERY CHARGER SPS 3	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847038	0000192704	COMPRESSOR AIR 01 LAGOON	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847039	0000192705	PUMP CENT DOMESTIC WATER SPS 3	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)

2847040	0000168344	GENERATOR ELECTRIC SPS 3	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847041	0000192877	METER FLOW LAGOON DISCH SPS 3	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847042	0000168368	SAMPLER PORTABLE SPS 3	04/29/2013	APR. 5/2013 - 1 HR - KS APR. 11/2013 - 0.5 HR. - GF APR. 17/2013 - 1 HR. - KS APR. 22/2013 - 1 HR. - KS APR. 29/2013 - 1 HR. - KS 4.5 HRS (KS)
2847185	0000158725	ALARM DIALER SPS 3	05/24/2013	High Level Alarms Date SPS 1 <hr/> SPS 2 <hr/> SPS 3 <hr/> PIPE SPY CLEAN OUTS & TEST ALARMS (KS)
2847186	0000168345	ENGINE DIESEL GENERATOR CRS 3	04/27/2013	POWER OUTAGE (KS)
2847187	0000168389	LAGOON CELL NORTH	04/19/2013	
2847188	0000168390	LAGOON CELL SOUTH	04/19/2013	
2847189		Facility	04/26/2013	
2847190		Facility	04/04/2013	CLEAN UP WINTER GARBAGE AFTER SNOW THAW ADJUST GATE (KS)
2847191		Facility	04/17/2013	
2862889	0000158725	ALARM DIALER SPS 3	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862890	0000168375	COMPRESSOR AIR 02 LAGOON	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862891	0000158850	COMPRESSOR AIR 03 LAGOON	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)

2862892	0000168377	COMPRESSOR AIR 04 LAGOON	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862893	0000168345	ENGINE DIESEL GENERATOR SPS 3	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862894	0000168353	METER FLOW LAGOON DISCH SPS 3	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862895	0000168388	METER LEVEL WETWELL SPS 1	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862896	0000168383	METER LEVEL 02 WETWELL SPS 2	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862897	0000168349	METER LEVEL WETWELL SPS 3	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862898	0000168387	PANEL CONTROL PUMPS SPS 01	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862899	0000168382	PANEL CONTROL PUMPS SPS 02	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862900	0000168363	PANEL CONTROL PUMP 01 SPS 03	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862901	0000168364	PANEL CONTROL PUMP 02 SPS 3	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)

2862902	0000168372	PANEL CONTROL SPS 4 LAGOON	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862903	0000168346	PANEL TRANSFER/CONTROL SPS 3	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862904	0000168347	PANEL TRANSFER/CONTROL SPS 3	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862905	0000168360	PUMP DIAPH ALUM NEAR SIDE SPS 3	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862906	0000168359	PUMP DIAPH ALUM FAR SIDE SPS 3	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862907	0000168384	PUMP SUBM 01 SPS 1 COBOCONK	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862908	0000168385	PUMP SUBM 02 SPS 1 COBOCONK	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862909	0000168379	PUMP SUBM 01 SPS 2 COBOCONK	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862910	0000168380	PUMP SUBM 02 SPS 2 COBOCONK	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862911	0000168370	PUMP SUBM 01 SPS 4 LAGOON COBOCONK	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)

2862912	0000168373	PUMP SUBM 02 SPS 4 LAGOON COBOCONK	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862913	0000168350	PUMP SUBM 01 SPS 3 COBOCONK	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862914	0000168351	PUMP SUBM 02 SPS 3 COBOCONK	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862915	0000168365	PUMP SUBM SUMP 01 EMPTY BERM SPS 3	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862916	0000168366	PUMP SUBM SUMP 02 ALUM PIT SPS 3	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862917	0000192318	OUTPOST 5	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862918	0000192323	OUTPOST 5 SPS 02	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862919	0000192324	OUTPOST 5 SPS 01	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862920	0000192317	METER FLOW RAW SEWAGE SPS 3	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862921	0000192325	METER LEVEL WETWELL SPS 1	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)

2862922	0000192319	BATTERY CHARGER SPS 3	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862923	0000192704	COMPRESSOR AIR 01 LAGOON	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862924	0000192705	PUMP CENT DOMESTIC WATER SPS 3	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862925	0000168344	GENERATOR ELECTRIC SPS 3	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862926	0000192877	METER FLOW LAGOON DISCH SPS 3	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2862927	0000168368	SAMPLER PORTABLE SPS 3	05/31/2013	MAY 03/13 - 1.0 HR. KS MAY 10/13 - 0.5 HR. CN MAY 14/13 - 1.0 HR. KS MAY 24/13 - 0.5 HR. KS MAY 31/13 - 0.5 HR. KS 3.5 HRS. (KS)
2863049	0000158725	ALARM DIALER SPS 3	05/22/2013	High Level Alarms Date SPS 1 <hr/> SPS 2 <hr/> SPS 3 <hr/> HYDRO OUTAGE X 2 DID DURING C/B (KS)
2863050	0000168345	ENGINE DIESEL	05/22/2013	POWER OUTAGE X 2 (KS)
2863051	0000168389	GENERATOR SPS 3 LAGOON CELL NORTH	05/15/2013	ADDED 2 "NO TRESPASSING SIGNS" (KS)
2863052	0000168390	LAGOON CELL SOUTH	05/15/2013	ADDED 2 "NO TRESPASSING SIGNS" (KS)
2863053		Facility	05/22/2013	
2863054		Facility	05/29/2013	FIX/ADJUST FRONT GATE (KS)
2863055		Facility	05/21/2013	

2880802	0000158725	ALARM DIALER SPS 3	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880803	0000168375	COMPRESSOR AIR 02 LAGOON	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880804	0000158850	COMPRESSOR AIR 03 LAGOON	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880805	0000168377	COMPRESSOR AIR 04 LAGOON	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880806	0000168345	ENGINE DIESEL GENERATOR SPS 3	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880807	0000168353	METER FLOW LAGOON DISCH SPS 3	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880808	0000168388	METER LEVEL WETWELL SPS 1	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880809	0000168383	METER LEVEL 02 WETWELL SPS 2	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880810	0000168349	METER LEVEL WETWELL SPS 3	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880811	0000168387	PANEL CONTROL PUMPS SPS 01	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880812	0000168382	PANEL CONTROL PUMPS SPS 02	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)

2880813	0000168363	PANEL CONTROL PUMP 01 SPS 03	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880814	0000168364	PANEL CONTROL PUMP 02 SPS 3	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880815	0000168372	PANEL CONTROL SPS 4 LAGOON	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880816	0000168346	PANEL TRANSFER/CONTROL SPS 3	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880817	0000168347	PANEL TRANSFER/CONTROL SPS 3	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880818	0000168360	PUMP DIAPH ALUM NEAR SIDE SPS 3	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880819	0000168359	PUMP DIAPH ALUM FAR SIDE SPS 3	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880820	0000168384	PUMP SUBM 01 SPS 1 COBOCONK	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880821	0000168385	PUMP SUBM 02 SPS 1 COBOCONK	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880822	0000168379	PUMP SUBM 01 SPS 2 COBOCONK	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880823	0000168380	PUMP SUBM 02 SPS 2 COBOCONK	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)

2880824	0000168370	PUMP SUBM 01 SPS 4 LAGOON COBOCONK	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880825	0000168373	PUMP SUBM 02 SPS 4 LAGOON COBOCONK	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880826	0000168350	PUMP SUBM 01 SPS 3 COBOCONK	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880827	0000168351	PUMP SUBM 02 SPS 3 COBOCONK	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880828	0000168365	PUMP SUBM SUMP 01 EMPTY BERM SPS 3	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880829	0000168366	PUMP SUBM SUMP 02 ALUM PIT SPS 3	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880830	0000192318	OUTPOST 5	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880831	0000192323	OUTPOST 5 SPS 02	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880832	0000192324	OUTPOST 5 SPS 01	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880833	0000192317	METER FLOW RAW SEWAGE SPS 3	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880834	0000192325	METER LEVEL WETWELL SPS 1	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)

2880835	0000192319	BATTERY CHARGER SPS 3	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880836	0000192704	COMPRESSOR AIR 01 LAGOON	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880837	0000192705	PUMP CENT DOMESTIC WATER SPS 3	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880838	0000168344	GENERATOR ELECTRIC SPS 3	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880839	0000192877	METER FLOW LAGOON DISCH SPS 3	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2880840	0000168368	SAMPLER PORTABLE SPS 3	06/30/2013	JUNE 03/13 - 1.0 HR. JUNE 13/13 - 1.0 HR. JUNE 21/13 - 1.0 HR. JUNE 28/13 - 1.0 HR. 4.0 HRS. (KS)
2881036	0000158725	ALARM DIALER SPS 3	07/05/2013	High Level Alarms Date SPS 1 <hr/> SPS 2 <hr/> SPS 3 <hr/>
2881037	0000168345	ENGINE DIESEL GENERATOR SPS 2	07/05/2013	
2881038	0000168365	PUMP SUBM SUMP 01 EMPTY BERM SPS 3	06/03/2013	FLUSH SUMPS & CLEAN OUT PITS (KS)
2881039	0000168366	PUMP SUBM SUMP 02 ALUM PIT SPS 3	06/03/2013	FLUSH PUMPS - CLEAN OUT PITS (KS)
2881040	0000168367	TANK WETWELL SPS 3	05/24/2013	COMPLETE CLEAN OUT (KS)
2881041	0000168371	TANK WETWELL SPS4 LAGO	05/24/2013	COMPLETE CLEAN OUT (KS)
2881042	0000168381	TANK WETWELL SPS 02	05/24/2013	COMPLETE CLEAN OUT (KS)
2881043	0000168386	TANK WETWELL SPS 01	05/24/2013	COMPLETE CLEAN OUT (KS)
2881044	0000168389	LAGOON CELL NORTH	06/28/2013	CUT SOME BRUSH AS WELL (KS)
2881045	0000168390	LAGOON CELL SOUTH	06/28/2013	BRUSH CUTTING AS WELL (KS)
2881046		Facility	07/05/2013	
2881047		Facility	12/31/2013	REVIEWED - REPLACEMENT SCHEDULED 2014 (SH)

2881048		Facility	06/21/2013	BRUSH CUTTING SPS #2 & SPS #3 (KS)
2881049		Facility	06/17/2013	
2893048	0000158725	ALARM DIALER SPS 3	07/31/2013	
2893049	0000168375	COMPRESSOR AIR 02	07/31/2013	
2893050	0000158850	LAGOON COMPRESSOR AIR 03	07/31/2013	
2893051	0000168377	LAGOON COMPRESSOR AIR 04	07/31/2013	
2893052	0000168345	LAGOON ENGINE DIESEL	07/31/2013	
2893053	0000168353	GENERATOR SPS 2 METER FLOW LAGOON	07/31/2013	
2893054	0000168388	DISCH SPS 2 METER LEVEL WETWELL	07/31/2013	
2893055	0000168383	SPS 4 METER LEVEL 02 WETWELL	07/31/2013	
2893056	0000168349	SPS 2 METER LEVEL WETWELL	07/31/2013	
2893057	0000168387	SPS 2 PANEL CONTROL PUMPS	07/31/2013	
2893058	0000168382	SPS 04 PANEL CONTROL PUMPS	07/31/2013	
2893059	0000168363	SPS 03 PANEL CONTROL PUMP 01	07/31/2013	
2893060	0000168364	SPS 03 PANEL CONTROL PUMP 02	07/31/2013	
2893061	0000168372	SPS 04 PANEL CONTROL SPS 4	07/31/2013	
2893062	0000168346	LAGOON PANEL TRANSFER/CONTROL	07/31/2013	
2893063	0000168347	SPS 2 PANEL TRANSFER/CONTROL	07/31/2013	
2893064	0000168360	SPS 2 PUMP DIAPH ALUM	07/31/2013	
2893065	0000168359	NEAR SIDE SPS 2 PUMP DIAPH ALUM FAR SIDE	07/31/2013	
2893066	0000168384	SPS 2 PUMP SUBM 01 SPS 1	07/31/2013	
2893067	0000168385	CORROCONK PUMP SUBM 02 SPS 1	07/31/2013	
2893068	0000168379	CORROCONK PUMP SUBM 01 SPS 2	07/31/2013	
2893069	0000168380	CORROCONK PUMP SUBM 02 SPS 2	07/31/2013	
2893070	0000168370	CORROCONK PUMP SUBM 01 SPS 4	07/31/2013	
2893071	0000168373	LAGOON CORROCONK PUMP SUBM 02 SPS 4	07/31/2013	
2893072	0000168350	LAGOON CORROCONK PUMP SUBM 01 SPS 3	07/31/2013	
2893073	0000168351	CORROCONK PUMP SUBM 02 SPS 3	07/31/2013	
2893074	0000168365	CORROCONK PUMP SUBM SUMP 01	07/31/2013	
2893075	0000168366	EMPTY PERM SPS 2 PUMP SUBM SUMP 02 ALUM	07/31/2013	
2893076	0000192318	DIT SPS 2 OUTPOST 5	07/31/2013	
2893077	0000192323	OUTPOST 5 SPS 02	07/31/2013	
2893078	0000192324	OUTPOST 5 SPS 01	07/31/2013	
2893079	0000192317	METER FLOW RAW SEWAGE SPS 3	07/31/2013	
2893080	0000192325	METER LEVEL WETWELL SPS 1	07/31/2013	
2893081	0000192319	BATTERY CHARGER SPS 3	07/31/2013	
2893082	0000192704	COMPRESSOR AIR 01 LAGOON	07/31/2013	
2893083	0000192705	PUMP CENT DOMESTIC WATER SPS 3	07/31/2013	
2893084	0000168344	GENERATOR ELECTRIC SPS 3	07/31/2013	
2893085	0000192877	METER FLOW LAGOON DISCH SPS 3	07/31/2013	
2893086	0000168368	SAMPLER PORTABLE SPS 3	07/31/2013	

2893205	0000158725	ALARM DIALER SPS 3	07/31/2013	High Level Alarms Date
				SPS 1 _____
				SPS 2 _____
				SPS 3 _____
2893206	0000168345	ENGINE DIESEL GENERATOR SPS 3	07/31/2013	RUN DIESEL GENERATOR UNDER LOAD CONDITIONS FOR 1 HOUR & 5 MINUTES (CN)
2893207	0000168389	LAGOON CELL NORTH	07/29/2013	
2893208	0000168390	LAGOON CELL SOUTH	07/29/2013	INSPECT LEVELS, ODOURS, FENCING, LINER CONDITION & PANEL BOX (CN)
2893209	0000208446	SPILL KIT 16	07/22/2013	
2893210		Facility	07/30/2013	
2893211		Facility	07/31/2013	
2893212		Facility	11/20/2013	
2893213		Facility	07/31/2013	
2893214		Facility	07/31/2013	
2913415		Facility	01/16/2013	OVERTIME AIR COMPRESSOR START TIME: 15:30 END TIME: 17:00 TOTAL HOURS: 1.5 HRS. 2 OF 4 AIR COMPRESSPRS NOT WORKING - AIR ONLY TO 1 LAGOON 2 OF 4 NEED REPAIR - CHECKING AIR LINES - SUSPECT POSSIBLE LEAK AS WELL - FURTHER REPAIRS TO COME. (KS)
2913416		Facility	01/17/2013	OVERTIME EARLY START - PAT ON VACATION START TIME: 06:00 END TIME: 07:00 TOTAL HOURS: 1.0 HRS. TRYING TO COMMISSION COBOCONK SCADA MULTIPLE TESTS - WIRE CHANGES ECT. (KS)

2913419		Facility	01/17/2013	OVERTIME COBOCONK SCADA INSTALL, ETC. START TIME: 15:30 END TIME: 17:00 TOTAL HOURS: 1.5 HRS. TESTING - RE-WIRING, TIPPING FLOATS, ESTABLISHING COMMUNICATION CORRECTIVE ACTION: ON-GOING (KS)
2913420		Facility	01/18/2013	OVERTIME EARLY START-SCADA CONTRACTORS COMING - OPEN UP/ETC. SHORT STAFFED - PAT VACATION START TIME: 06:00 END TIME: 07:00 TOTAL HOURS: 1.0 HRS. OPEN UP - THAW OUT GATE LOCKS/ETC FOR SCADA CONTRACTOR WORK CORRECTIVE ACTION: ON- GOING (KS)
2913421		Facility	01/18/2013	OVERTIME SCADA CONTRACTOR WORK START TIME: 15:30 END TIME: 17:00 TOTAL HOURS: 1.5 HRS. STILL TESTING & ADJUSTING FOR SCADA SYS (KS)
2913423		Facility	01/21/2013	OVERTIME BELL LINE REPAIR START TIME: 15:30 END TIME: 17:00 TOTAL HOURS: 1.5 HRS. BELL LINE REPAIR ON SCADA LINE BETWEEN SPS#2 AND SPS#3, COMPLETE AND TESTED (KS)
2914158	0000158725	ALARM DIALER SPS 3	08/31/2013	
2914159	0000168375	COMPRESSOR AIR 02	08/31/2013	
2914160	0000158850	LAGOON COMPRESSOR AIR 03	08/31/2013	
2914161	0000168377	LAGOON COMPRESSOR AIR 04	08/31/2013	
2914162	0000168345	LAGOON ENGINE DIESEL	08/31/2013	
2914163	0000168353	GENERATOR SPS 3	08/31/2013	
2914164	0000168388	METER FLOW LAGOON DISCH SPS 3	08/31/2013	
2914165	0000168383	METER LEVEL WETWELL SPS 1	08/31/2013	
2914166	0000168349	METER LEVEL 02 WETWELL SPS 2	08/31/2013	
2914167	0000168387	METER LEVEL WETWELL SPS 3	08/31/2013	
2914168	0000168382	PANEL CONTROL PUMPS SPS 01	08/31/2013	
		PANEL CONTROL PUMPS SPS 02	08/31/2013	

2914169	0000168363	PANEL CONTROL PUMP 01 SPS 03	08/31/2013	
2914170	0000168364	PANEL CONTROL PUMP 02 SPS 3	08/31/2013	
2914171	0000168372	PANEL CONTROL SPS 4 LAGOON	08/31/2013	
2914172	0000168346	PANEL TRANSFER/CONTROL SPS 3	08/31/2013	
2914173	0000168347	PANEL TRANSFER/CONTROL SPS 3	08/31/2013	
2914174	0000168360	PUMP DIAPH ALUM NEARSIDE SPS 3	08/31/2013	
2914175	0000168359	PUMP DIAPH ALUM FAR SIDE SPS 3	08/31/2013	
2914176	0000168384	PUMP SUBM 01 SPS 1 COBOCONK	08/31/2013	
2914177	0000168385	PUMP SUBM 02 SPS 1 COBOCONK	08/31/2013	
2914178	0000168379	PUMP SUBM 01 SPS 2 COBOCONK	08/31/2013	
2914179	0000168380	PUMP SUBM 02 SPS 2 COBOCONK	08/31/2013	
2914180	0000168370	PUMP SUBM 01 SPS 4 LAGOON COBOCONK	08/31/2013	
2914181	0000168373	PUMP SUBM 02 SPS 4 LAGOON COBOCONK	08/31/2013	
2914182	0000168350	PUMP SUBM 01 SPS 3 COBOCONK	08/31/2013	
2914183	0000168351	PUMP SUBM 02 SPS 3 COBOCONK	08/31/2013	
2914184	0000168365	PUMP SUBM SUMP 01 EMPTY BERM SPS 3	08/31/2013	
2914185	0000168366	PUMP SUBM SUMP 02 ALUM PIT SPS 3	08/31/2013	
2914186	0000192318	OUTPOST 5	08/31/2013	
2914187	0000192323	OUTPOST 5 SPS 02	08/31/2013	
2914188	0000192324	OUTPOST 5 SPS 01	08/31/2013	
2914189	0000192317	METER FLOW RAW SEWAGE SPS 3	08/31/2013	
2914190	0000192325	METER LEVEL WETWELL SPS 1	08/31/2013	
2914191	0000192319	BATTERY CHARGER SPS 3	08/31/2013	
2914192	0000192704	COMPRESSOR AIR 01 LAGOON	08/31/2013	
2914193	0000192705	PUMP CENT DOMESTIC WATER SPS 3	08/31/2013	
2914194	0000168344	GENERATOR ELECTRIC SPS 3	08/31/2013	
2914195	0000192877	METER FLOW LAGOON DISCH SPS 3	08/31/2013	
2914196	0000168368	SAMPLER PORTABLE SPS 3	08/31/2013	
2914348	0000158725	ALARM DIALER SPS 3	08/28/2013	High Level Alarms Date
				SPS 1 _____
				SPS 2 _____
				SPS 3 _____

2914349	0000168345	ENGINE DIESEL GENERATOR SPS 3	08/28/2013	RAN DIESEL UNDER LOAD CONDITIONS FOR 1 HOUR (CN)
2914350	0000168389	LAGOON CELL NORTH	08/26/2013	
2914351	0000168390	LAGOON CELL SOUTH	08/26/2013	
2914352		Facility	08/28/2013	
2914353		Facility	08/23/2013	
2914354		Facility	08/28/2013	
2914391		Facility	04/19/2013	OVERTIME BUSY DAY LATE GETTING TO LAGOON TIME IN: 15:30 TIME OUT: 16:30 TOTAL HOURS: 1.0 HRS. STOP LAGOON TRANSFER FROM SOUTH TO NORTH (KS)
2915865		Facility	04/21/2013	OVERTIME TERTIARY CHECKS PLUS EXTRAS PRE-APPROVED BY: OPERATOR DECISION START TIME: 09:45 END TIME: 10:45 TOTAL HOURS: 1.00 HRS. CKL STATE OF EMERGENCY FLOODING - ALL RIVERS/LAKES ETC. FLOW & LEVELS EXTREMELY HIGH DRIVE AROUND CHECKS & ASSESSMENTS 0700-0945 - WTF & WWTF & SPS' OK 0945-1045 - COBOCONK LAGOON & SPS' OK (KS)
2920430		Facility	01/29/2013	OVERTIME SCADA CONTRACTORS INSTALL WORK START TIME: 06:00 END TIME: 07:00 TOTAL HOURS: 1 HR OPEN UP - THAW OUT GATE LOCKS - SALT/CLEAR OUT SIDE WALK AREAS/ETC. (KS)

2920431		Facility	01/28/2013	OVERTIME SCADA CONTRACTORS INSTALL WORK START TIME: 06:00 END TIME: 07:00 TOTAL HOURS: 1 HR THAW OUT GATE LOCKS - SALT/CLEAR OUT SIDE. WORK AREAS/ETC. OPEN UP FOR SCADA CONTRACTORS (KS)
2922816		Facility	08/03/2013	OVERTIME WEEKEND ROUNDS/CHECKS START TIME: 09:45 END TIME: 17:00 TOTAL HOURS: 7.25 HRS WEEKEND COMPLIANCE ROUNDS/FACILITY CHECKS @ ECHO, EXTEND, PARKLANE, MOUNTAINVIEW, NORLAND, KINMOUNT, COBY, MINDEN X2, LUTTERWORTH, FROST WATER (SH)
2932916	0000158725	ALARM DIALER SPS 3	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932917	0000168375	COMPRESSOR AIR 02 LAGOON	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932918	0000158850	COMPRESSOR AIR 03 LAGOON	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932919	0000168377	COMPRESSOR AIR 04 LAGOON	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932920	0000168345	ENGINE DIESEL GENERATOR SPS 3	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932921	0000168353	METER FLOW LAGOON DISCH SPS 3	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)

2932922	0000168388	METER LEVEL WETWELL SPS 1	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932923	0000168383	METER LEVEL 02 WETWELL SPS 2	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932924	0000168349	METER LEVEL WETWELL SPS 3	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932925	0000168387	PANEL CONTROL PUMPS SPS 01	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932926	0000168382	PANEL CONTROL PUMPS SPS 02	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932927	0000168363	PANEL CONTROL PUMP 01 SPS 03	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932928	0000168364	PANEL CONTROL PUMP 02 SPS 3	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932929	0000168372	PANEL CONTROL SPS 4 LAGOON	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932930	0000168346	PANEL TRANSFER/CONTROL SPS 3	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932931	0000168347	PANEL TRANSFER/CONTROL SPS 3	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932932	0000168360	PUMP DIAPH ALUM NEARSIDE SPS 3	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)

2932933	0000168359	PUMP DIAPH ALUM FARMSIDE SPS 3	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932934	0000168384	PUMP SUBM 01 SPS 1 COBOCONK	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932935	0000168385	PUMP SUBM 02 SPS 1 COBOCONK	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932936	0000168379	PUMP SUBM 01 SPS 2 COBOCONK	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932937	0000168380	PUMP SUBM 02 SPS 2 COBOCONK	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932938	0000168370	PUMP SUBM 01 SPS 4 LAGOON COBOCONK	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932939	0000168373	PUMP SUBM 02 SPS 4 LAGOON COBOCONK	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932940	0000168350	PUMP SUBM 01 SPS 3 COBOCONK	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932941	0000168351	PUMP SUBM 02 SPS 3 COBOCONK	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932942	0000168365	PUMP SUBM SUMP 01 EMPTY BERM SPS 3	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932943	0000168366	PUMP SUBM SUMP 02 ALUM PIT SPS 3	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)

2932944	0000192318	OUTPOST 5	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932945	0000192323	OUTPOST 5 SPS 02	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932946	0000192324	OUTPOST 5 SPS 01	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932947	0000192317	METER FLOW RAW SEWAGE SPS 3	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932948	0000192325	METER LEVEL WETWELL SPS 1	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932949	0000192319	BATTERY CHARGER SPS 3	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932950	0000192704	COMPRESSOR AIR 01 LAGOON	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932951	0000192705	PUMP CENT DOMESTIC WATER SPS 3	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932952	0000168344	GENERATOR ELECTRIC SPS 3	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932953	0000192877	METER FLOW LAGOON DISCH SPS 3	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)
2932954	0000168368	SAMPLER PORTABLE SPS 3	09/30/2013	SEPT 03/13 - 1 HR. - KS SEPT 09/13 - 1 HR. - KS SEPT 17/13 - 1 HR. - KS SEPT 27/13 - 1 HR. - KS 4.0 HRS. (KS)

2933389	0000158725	ALARM DIALER SPS 3	09/27/2013	High Level Alarms Date
				SPS 1
				SPS 2
				SPS 3
2933391	0000168345	ENGINE DIESEL GENERATOR SPS 3	09/27/2013	TOPPED UP GEN SET BATTERIES (KS)
2933392	0000168356	HEATER ELECTRIC NORTH	10/17/2013	
2933393	0000168357	FAN EXHAUST SUPPLY MD5	09/27/2013	
2933394	0000168361	HEATER UNIT EAST SPS 3	10/17/2013	
2933397	0000168389	LAGOON CELL NORTH	09/26/2013	ADDED MORE NO TRESPASSING SIGNS (KS)
2933398	0000168390	LAGOON CELL SOUTH	09/26/2013	ADDED MORE TRESPASSING SIGNS (KS)
2933401		Facility	09/27/2013	
2933402		Facility	09/26/2013	PLUS CLEAN UP TOSSED GARBAGE (KS)
2933403		Facility	09/26/2013	
2943135		Facility	01/07/2013	FAN FORCED HEATER IN WASHROOM REPLACED OLD WITH NEW FACILITY MONITORING NO BAR CODE REQUIRED AS PER SHAWN (KS) REPLACED OLD WITH NEW FAN FORCED HEATER (DJ)
2945950	0000158725	ALARM DIALER SPS 3	10/31/2013	
2945951	0000168375	COMPRESSOR AIR 02 LAGOON	10/31/2013	
2945952	0000158850	COMPRESSOR AIR 03 LAGOON	10/31/2013	
2945953	0000168377	COMPRESSOR AIR 04 LAGOON	10/31/2013	
2945954	0000168345	ENGINE DIESEL GENERATOR SPS 3	10/31/2013	
2945955	0000168353	METER FLOW LAGOON DISCH SPS 3	10/31/2013	
2945956	0000168388	METER LEVEL WETWELL SPS 1	10/31/2013	
2945957	0000168383	METER LEVEL 02 WETWELL SPS 2	10/31/2013	
2945958	0000168349	METER LEVEL WETWELL SPS 3	10/31/2013	
2945959	0000168387	PANEL CONTROL PUMPS SPS 01	10/31/2013	
2945960	0000168382	PANEL CONTROL PUMPS SPS 02	10/31/2013	
2945961	0000168363	PANEL CONTROL PUMP 01 SPS 03	10/31/2013	
2945962	0000168364	PANEL CONTROL PUMP 02 SPS 3	10/31/2013	
2945963	0000168372	PANEL CONTROL SPS 4 LAGOON	10/31/2013	
2945964	0000168346	PANEL TRANSFER/CONTROL SPS 3	10/31/2013	

2945965	0000168347	PANEL TRANSFER/CONTROL SPS 3	10/31/2013	
2945966	0000168360	PUMP DIAPH ALUM NEARSIDE SPS 3	10/31/2013	
2945967	0000168359	PUMP DIAPH ALUM FARSSIDE SPS 3	10/31/2013	
2945968	0000168384	PUMP SUBM 01 SPS 1 COBOCONK	10/31/2013	
2945969	0000168385	PUMP SUBM 02 SPS 1 COBOCONK	10/31/2013	
2945970	0000168379	PUMP SUBM 01 SPS 2 COBOCONK	10/31/2013	
2945971	0000168380	PUMP SUBM 02 SPS 2 COBOCONK	10/31/2013	
2945972	0000168370	PUMP SUBM 01 SPS 4 LAGOON COBOCONK	10/31/2013	
2945973	0000168373	PUMP SUBM 02 SPS 4 LAGOON COBOCONK	10/31/2013	
2945974	0000168350	PUMP SUBM 01 SPS 3 COBOCONK	10/31/2013	
2945975	0000168351	PUMP SUBM 02 SPS 3 COBOCONK	10/31/2013	
2945976	0000168365	PUMP SUBM SUMP 01 EMPTY BERM SPS 3	10/31/2013	
2945977	0000168366	PUMP SUBM SUMP 02 ALUM PIT SPS 3	10/31/2013	
2945978	0000192318	OUTPOST 5	10/31/2013	
2945979	0000192323	OUTPOST 5 SPS 02	10/31/2013	
2945980	0000192324	OUTPOST 5 SPS 01	10/31/2013	
2945981	0000192317	METER FLOW RAW SEWAGE SPS 3	10/31/2013	
2945982	0000192325	METER LEVEL WETWELL SPS 1	10/31/2013	
2945983	0000192319	BATTERY CHARGER SPS 3	10/31/2013	
2945984	0000192704	COMPRESSOR AIR 01 LAGOON	10/31/2013	
2945985	0000192705	PUMP CENT DOMESTIC WATER SPS 3	10/31/2013	
2945986	0000168344	GENERATOR ELECTRIC SPS 3	10/31/2013	
2945987	0000192877	METER FLOW LAGOON DISCH SPS 3	10/31/2013	
2945988	0000168368	SAMPLER PORTABLE SPS 3	10/31/2013	
2946153	0000158725	ALARM DIALER SPS 3	10/31/2013	High Level Alarms Date
				SPS 1 __OCT. 31/13 -> TRENT PAGED OUT AT 10:30
				SPS 2 __OCT. 31/13 -> TRENT PAGED OUT AT 10:35
				SPS 3 __OCT. 30/13 -> TRENT PAGED ALARM AT 10:55
				TESTED ALARMS ON OCT. 30 & OCT. 31. ALL 3 PAGED OUT TO TRENT SECURITY (CN)
2946154	0000168345	ENGINE DIESEL GENERATOR SPS 3	10/30/2013	RAN DIESEL GENERATOR UNDER LOAD CONDITIONS FOR 1 HOUR & 10 MINUTES (CN)

2946155	0000168389	LAGOON CELL NORTH	10/10/2013	
2946156	0000168390	LAGOON CELL SOUTH	10/10/2013	
2946157	0000192992	PUMPING STATION SPS #1 - SOUTH WATER ST	11/20/2013	PIPE SPY CLEANED OUT STATION (CN)
2946158	0000192993	PUMPING STATION SPS #2 - WATER ST	11/20/2013	PIPE SPY CLEANED OUT STATION (CN)
2946159	0000192994	PUMPING STATION SPS #3 - MAIN	11/20/2013	PIPE SPY PUMPED OUT STATION (CN)
2946160		Facility	10/30/2013	NOTE: EMERGENCY LIGHTING NOT WORKING. DID NOT ACTIVATE WHEN RUNNING EMERGENCY GENERATOR NOR WHEN DID MANUAL TEST (CN) Repaired jan 21 2014 by DJ work order # 3030399 along with adding some gfci's
2946161		Facility	10/10/2013	
2946162		Facility	10/30/2013	
2965345	0000158725	ALARM DIALER SPS 3	11/26/2013	
2965346	0000168375	COMPRESSOR AIR 02 LAGOON	11/26/2013	
2965347	0000158850	COMPRESSOR AIR 03 LAGOON	11/26/2013	
2965348	0000168377	COMPRESSOR AIR 04 LAGOON	11/26/2013	
2965349	0000168345	ENGINE DIESEL GENERATOR SPS 3	11/26/2013	
2965350	0000168353	METER FLOW LAGOON DISCH SPS 3	11/26/2013	
2965351	0000168388	METER LEVEL WETWELL SPS 1	11/26/2013	
2965352	0000168383	METER LEVEL 02 WETWELL SPS 2	11/26/2013	
2965353	0000168349	METER LEVEL WETWELL SPS 3	11/26/2013	
2965354	0000168387	PANEL CONTROL PUMPS SPS 01	11/26/2013	
2965355	0000168382	PANEL CONTROL PUMPS SPS 02	11/26/2013	
2965356	0000168363	PANEL CONTROL PUMP 01 SPS 03	11/26/2013	
2965357	0000168364	PANEL CONTROL PUMP 02 SPS 3	11/26/2013	
2965358	0000168372	PANEL CONTROL SPS 4 LAGOON	11/26/2013	
2965359	0000168346	PANEL TRANSFER/CONTROL SPS 3	11/26/2013	
2965360	0000168347	PANEL TRANSFER/CONTROL SPS 3	11/26/2013	
2965361	0000168360	PUMP DIAPH ALUM NEARSIDE SPS 3	11/26/2013	
2965362	0000168359	PUMP DIAPH ALUM FARMSIDE SPS 3	11/26/2013	
2965363	0000168384	PUMP SUBM 01 SPS 1 COBOCONK	11/26/2013	
2965364	0000168385	PUMP SUBM 02 SPS 1 COBOCONK	11/26/2013	
2965365	0000168379	PUMP SUBM 01 SPS 2 COBOCONK	11/26/2013	
2965366	0000168380	PUMP SUBM 02 SPS 2 COBOCONK	11/26/2013	

2965367	0000168370	PUMP SUBM 01 SPS 4 LAGOON COBOCONK	11/26/2013	
2965368	0000168373	PUMP SUBM 02 SPS 4 LAGOON COBOCONK	11/26/2013	
2965369	0000168350	PUMP SUBM 01 SPS 3 COBOCONK	11/26/2013	
2965370	0000168351	PUMP SUBM 02 SPS 3 COBOCONK	11/26/2013	
2965371	0000168365	PUMP SUBM SUMP 01 EMPTY BERM SPS 3	11/26/2013	
2965372	0000168366	PUMP SUBM SUMP 02 ALUM PIT SPS 3	11/26/2013	
2965373	0000192318	OUTPOST 5	11/26/2013	
2965374	0000192323	OUTPOST 5 SPS 02	11/26/2013	
2965375	0000192324	OUTPOST 5 SPS 01	11/26/2013	
2965376	0000192317	METER FLOW RAW SEWAGE SPS 3	11/26/2013	
2965377	0000192325	METER LEVEL WETWELL SPS 1	11/26/2013	
2965378	0000192319	BATTERY CHARGER SPS 3	11/26/2013	
2965379	0000192704	COMPRESSOR AIR 01 LAGOON	11/26/2013	
2965380	0000192705	PUMP CENT DOMESTIC WATER SPS 3	11/26/2013	
2965381	0000168344	GENERATOR ELECTRIC SPS 3	11/26/2013	
2965382	0000192877	METER FLOW LAGOON DISCH SPS 3	11/26/2013	
2965383	0000168368	SAMPLER PORTABLE SPS 3	11/26/2013	
2965463	0000158725	ALARM DIALER SPS 3	11/20/2013	High Level Alarms Date SPS 1 __NOV. 20/13 -> 08:30 SPS 2 __NOV. 20/13 -> 09:15 SPS 3 __NOV. 20/13 -> 10:00 TESTED ALL 3 HIGH LEVEL ALARMS AT SPS #1, #2 & #3 (CN)
2965464	0000168345	ENGINE DIESEL GENERATOR SPS 3	11/21/2013	RUN DIESEL GENERATOR UNDER LOAD CONDITIONS FOR 55 MINUTES (CN)
2965465		Facility	11/21/2013	EMERGENCY LIGHT & EXIT SIGN NOT WORKING (CN) repaired jan 21 2014 by DJ work order # 3030399
2965466		Facility	11/13/2013	
2965467		Facility	11/13/2013	
2978496	0000158725	ALARM DIALER SPS 3	12/31/2013	
2978497	0000168375	COMPRESSOR AIR 02 LAGOON	12/31/2013	
2978498	0000158850	COMPRESSOR AIR 03 LAGOON	12/31/2013	
2978499	0000168377	COMPRESSOR AIR 04 LAGOON	12/31/2013	
2978500	0000168345	ENGINE DIESEL GENERATOR SPS 3	12/31/2013	

2978501	0000168353	METER FLOW LAGOON DISCH SPS 3	12/31/2013
2978502	0000168388	METER LEVEL WETWELL SPS 1	12/31/2013
2978503	0000168383	METER LEVEL 02 WETWELL SPS 2	12/31/2013
2978504	0000168349	METER LEVEL WETWELL SPS 3	12/31/2013
2978505	0000168387	PANEL CONTROL PUMPS SPS 01	12/31/2013
2978506	0000168382	PANEL CONTROL PUMPS SPS 02	12/31/2013
2978507	0000168363	PANEL CONTROL PUMP 01 SPS 03	12/31/2013
2978508	0000168364	PANEL CONTROL PUMP 02 SPS 3	12/31/2013
2978509	0000168372	PANEL CONTROL SPS 4 LAGOON	12/31/2013
2978510	0000168346	PANEL TRANSFER/CONTROL SPS 3	12/31/2013
2978511	0000168347	PANEL TRANSFER/CONTROL SPS 3	12/31/2013
2978512	0000168360	PUMP DIAPH ALUM NEARSIDE SPS 3	12/31/2013
2978513	0000168359	PUMP DIAPH ALUM FARSSIDE SPS 3	12/31/2013
2978514	0000168384	PUMP SUBM 01 SPS 1 COBOCONK	12/31/2013
2978515	0000168385	PUMP SUBM 02 SPS 1 COBOCONK	12/31/2013
2978516	0000168379	PUMP SUBM 01 SPS 2 COBOCONK	12/31/2013
2978517	0000168380	PUMP SUBM 02 SPS 2 COBOCONK	12/31/2013
2978518	0000168370	PUMP SUBM 01 SPS 4 LAGOON COBOCONK	12/31/2013
2978519	0000168373	PUMP SUBM 02 SPS 4 LAGOON COBOCONK	12/31/2013
2978520	0000168350	PUMP SUBM 01 SPS 3 COBOCONK	12/31/2013
2978521	0000168351	PUMP SUBM 02 SPS 3 COBOCONK	12/31/2013
2978522	0000168365	PUMP SUBM SUMP 01 EMPTY BERM SPS 3	12/31/2013
2978523	0000168366	PUMP SUBM SUMP 02 ALUM PIT SPS 3	12/31/2013
2978524	0000192318	OUTPOST 5	12/31/2013
2978525	0000192323	OUTPOST 5 SPS 02	12/31/2013
2978526	0000192324	OUTPOST 5 SPS 01	12/31/2013
2978527	0000192317	METER FLOW RAW SEWAGE SPS 3	12/31/2013
2978528	0000192325	METER LEVEL WETWELL SPS 1	12/31/2013
2978529	0000192319	BATTERY CHARGER SPS 3	12/31/2013
2978530	0000192704	COMPRESSOR AIR 01 LAGOON	12/31/2013
2978531	0000192705	PUMP CENT DOMESTIC WATER SPS 3	12/31/2013
2978532	0000168344	GENERATOR ELECTRIC SPS 3	12/31/2013
2978533	0000192877	METER FLOW LAGOON DISCH SPS 3	12/31/2013
2978534	0000168368	SAMPLER PORTABLE SPS 3	12/31/2013

2978635	0000158725	ALARM DIALER SPS 3	12/31/2013	High Level Alarms Date
				SPS 1 ALARMED AT 11:20 DEC 31/13
				SPS 2 ALARMED AT 11:45 DEC 31/13
				SPS 3 ALARMED T 09:45 DEC 31/13 (CN)
2978636	0000168345	ENGINE DIESEL GENERATOR SPS 3	12/31/2013	DAVID WELLS DID ANNUAL MAINTENANCE ON DEC 10, CHANGED OIL & NEW BATTERIES. RUN DIESEL GENERATOR UNDER LOAD CONDITIONS FOR 55 MINS (CN)
2978637		Facility	12/30/2013	NOT WORKING AS NOTED ON PREVIOUS WORK ORDER (CN)
2978638		Facility	12/18/2013	
2978639		Facility	12/18/2013	

Appendix IV:
Biosolids



Ontario Clean Water Agency Monthly Process Data Report

Municipality: Township of Anson Minden Hills
 Facility: [5839] - Minden Hills Wastewater Treatment Plant
 Works: [110002390] - Minden Hills Wastewater Treatment Plant
 Classification: Class 2 Wastewater Collection, Class 2 Wastewater Treatment
 Receiver: Gull River

Period: 01/01/2013 to 12/31/2013
 Served Population: 1,300
 Total Design Capacity(m³/day): 3,410.0

	Jan/2013	Feb/2013	Mar/2013	Apr/2013	May/2013	Jun/2013	Jul/2013	Aug/2013	Sep/2013	Oct/2013	Nov/2013	Dec/2013	<-- Summary -->
Biosolids Utilization\Biosolids quality - Liquid													
E Coli (cfu/g)													
Avg	1,147,541.0	1,901,566.0	1,285,347.0		184,444.0	789,027.0	369,403.0	388,516.5	107,807.0	990,680.5	1,128,205.0		804,673.923
Cnt	1.0	1.0	1.0		1.0	2.0	1.0	2.0	1.0	2.0	1.0		13.0
Sum	1,147,541.0	1,901,566.0	1,285,347.0		184,444.0	1,578,054.0	369,403.0	777,033.0	107,807.0	1,981,361.0	1,128,205.0		10,460,761.0
Ecoli (cfu/100 mL)													
Avg	4,200,000.0	8,500,000.0	5,000,000.0		830,000.0	2,855,000.0	990,000.0	1,210,000.0	87,000.0	2,930,000.0	4,400,000.0		2,922,846.154
Cnt	1.0	1.0	1.0		1.0	2.0	1.0	2.0	1.0	2.0	1.0		13.0
Sum	4,200,000.0	8,500,000.0	5,000,000.0		830,000.0	5,710,000.0	990,000.0	2,420,000.0	87,000.0	5,860,000.0	4,400,000.0		37,997,000.0

Note: ? Calculation not verifiable. At least one result reported as < and at least one result reported >.



Ontario Clean Water Agency

Biosolids Quality Report - Liquid

Digester Type: AEROBIC

Metals and Criteria

Facility: [5839] - Minden Hills Wastewater Treatment Plant
Works: [110002390] - Minden Hills Wastewater Treatment Plant
Period: 01/01/2013 to 12/31/2013

Month	Arsenic (mg/L)	Cadmium (mg/L)	Cobalt (mg/L)	Chromium (mg/L)	Copper (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Lead (mg/L)	Selenium (mg/L)	Zinc (mg/L)
JAN 2013	0.3	0.03	0.15	1.9	11.0	0.021	0.2	0.5	0.5	0.3	16.0
FEB 2013	0.3	0.03	0.21	2.4	14.0	0.021	0.2	0.6	0.7	0.3	20.0
MAR 2013	0.3	0.03	0.19	2.4	13.0	0.013	0.2	0.5	0.7	0.3	19.0
APR 2013											
MAY 2013	0.3	0.03	0.24	2.8	15.0	0.013	0.2	0.7	0.8	0.3	24.0
JUN 2013	0.3	0.03	0.14	1.85	9.8	0.011	0.2	0.45	0.6	0.3	14.5
JUL 2013	0.3	0.03	0.12	1.5	8.3	0.009	0.2	0.3	0.4	0.3	13.0
AUG 2013	0.3	0.03	0.14	1.45	9.6	0.019	0.25	0.4	0.6	0.3	16.5
SEP 2013	0.3	0.03	0.05	0.2	2.3	0.004	0.1	0.1	0.1	0.3	3.9
OCT 2013	0.3	0.03	0.1	0.8	8.55	0.018	0.25	0.35	0.55	0.3	14.0
NOV 2013	0.3	0.03	0.14	0.9	12.0	0.019	0.3	0.6	0.7	0.3	20.0
DEC 2013											
Average	0.3	0.03	0.143	1.562	10.115	0.015	0.215	0.438	0.569	0.3	15.838
Max. Permissible Metal Concentrations (mg/kg of Solids)	170	34	340	2800	1700	11	94	420	1100	34	4200
Metal Concentrations in Sludge (mg/kg)	9.141	0.914	4.359	47.578	308.201	0.455	6.562	13.359	17.344	9.141	482.574

Appendix V:
Calibration Reports



Measuremax Inc,
900 Major Bennett Dr.
Peterborough ON K9J 6X6, CANADA

Tel: (705) 745-1626
Fax: (705) 745-3493
E-mail: service@measuremax.ca
Website: www.measuremax.ca

OCWA Kawartha

2013 Calibrations Minden WWTP

Leaders in Instrumentation and Control

Find your solution at www.measuremax.ca

	CALIBRATION REPORT	Report No.: 0 FIT-Clarifier Flow
		Date: 7-Jun-13

SITE: Minden Hills WWTP
PROCESS AREA: Clarifier Flow
INSTR. TAG: FIT-Clarifier Flow
MANUFACTURER: Milltronics
MODEL: Multiranger Plus
SERIAL No.: 092490
INSTR. RANGE: 0000168343

SERVICE DATE: 6/7/2013
TECHNICIAN: M Manley
JOB REFERENCE:

Input	(Test)		Output	(Display)	(Process)	
Type:	meters		Type or EGU:	m3/day	m3/hr	
Min:	0.00		Min:	0.00	0.00	
Max:	0.33		Max:	2000.00	83.30	
V notch (Deg.)	30					
Constant	1344					
			Before Calibration		After Calibration	
Input (m)	Calc. Flow m3/hr	Display Flow m3/d	Output	%Error	Output	%Error
0.0000	0.00	0.00	0	0.00%	0	0.00%
9.1 inches						
0.2300	34.08	818.03	820.00	0.24%	820.00	0.24%

Calibration Equipment			
Type:	Tape Measure	DMM	
Manufacturer:		Fluke	
Model:		Model 87	
Serial No.:		134409128	
Last Cal. Date:		Mar. 2013	

Comments: Actual process conditions were used. The weir plate is facing the wrong way (180 degrees on the Y-axis). The sharp edge of the plate should be upstream of the beveled edge. The small amount of error this introduces is not known.
 Empty distance 22.49 span 12.95
 Temperature readind 26 Deg C.

P53 2
 P54 93.13
 P55 3781
 p56 0

	CALIBRATION REPORT	Report No.: FIT-N
		Date: 7-Jun-13

SITE: Minden Hills WWTP
PROCESS AREA: North
INSTR. TAG: FIT-N
MANUFACTURER: Milltronics multiranger 200
MODEL:
SERIAL No.:
INSTR. RANGE: 0000404794

SERVICE DATE: 6/7/2013
TECHNICIAN: M Manley
JOB REFERENCE:

Input	(Test)	Output	(Process)	(Signal)		
Type:	Head meters	Type or EGU:	mA	m3/day		
Min:	0.0000	Min:	4.00	0.00		
Max:	0.1335	Max:	20.00	2000.00		
Weir Angle	180					
exponent	1					
constant	2000.0000					
			Before Calibration	After Calibration		
Input (m)	Calc flow (m3/day)	Calc. O/P (mA)	Flow	%Error	Flow	%Error
0.000	0.000	4.00	0.00		0.00	
0.107		1592.00	1595.00		1595.00	

Calibration Equipment			
Type:	Tape Measure	DMM	
Manufacturer:		Fluke	
Model:		Model 87	
Serial No.:		134409128	
Last Cal. Date:		Mar. 2013	

Comments: Empty distance, was 01 .677 02 .664
 adjusted at zero flow to 01 .677, 02 .670

Chart Test E&H

4	
8	462
12	926
16	1387
20	1849



CALIBRATION REPORT

Report No.: FIT-S

Date: 7-Jun-13

SITE: Minden Hills WWTP
 PROCESS AREA: South
 INSTR. TAG: FIT-S
 MANUFACTURER: Milltronics multiranger 200
 MODEL:
 SERIAL No.:
 INSTR. RANGE: 0000204794

SERVICE DATE: 6/7/2013

TECHNICIAN: M Manley

JOB REFERENCE:

Input (Test)			Output (Process)		Output (Signal)	
Type:	Head meters		Type or EGU:	mA	m3/day	
Min:	0.0000		Min:	0.00	0.00	
Max:	0.1335		Max:	2000.00	2000.00	
Weir Angle	180					
exponent	1					
constant	2000.0000					
			Before Calibration		After Calibration	
Input (m)	Calc flow (m3/day)	Calc. O/P (mA)	Flow	%Error	Flow	%Error
0.000			0.00	0.00%	0.00	0.00%
0.090		1350.00 double check	1330.00		1330.00	

Calibration Equipment			
Type:	Tape Measure	DMM	
Manufacturer:		Fluke	
Model:		Model 87	
Serial No.:		134409128	
Last Cal. Date:		Mar. 2013	

Multimeter

Comments: South



CALIBRATION REPORT

Report No.: QIR-1

Date: 7-Jun-13

SITE: Minden WWTP
PROCESS AREA: E&H Videograph
INSTR. TAG: QIR-1
MANUFACTURER: E&H Videograph
MODEL:
SERIAL No.:
OCWA CODE: 0000192266

SERVICE DATE: 6/7/2013

TECHNICIAN: M Manley

JOB REFERENCE:

Input		(Test)	Output		(Signal)	(Process)
Type:		mA	Type or EGU:		mA	
Min:			Min:		4.00	
Max:			Max:		20.00	
			Before Calibration		After Calibration	
			Display		Display	
DIST Cl2	mg/L	0.00				
	0-10	0.79				
FIN OUT	m3/day	0.00				
	0-2000	820.00	816.00		816.00	
North in	m3/day	0.00				
	0-2000	260	260.00		254.00	
South in	m3/day	0.00				
	0-2000	235	233.00		233.00	

Calibration Equipment			
Type:		DMM	
Manufacturer:		Fluke	
Model:		Model 87	
Serial No.:		134409128	
Last Cal. Date:		Mar. 2013	

Comments: Unit was set for the flow input 0-1850 m3/day, Corrected.

Appendix VI:
WPCP Flooding
Event

Minden WPCP By-Pass Event

Details/Corrective Actions:

- State of Emergency declared in Township of Minden Hills on 04-20-13 due to severe flooding of the Gull River
- In order to prevent sewage flooding of basements and property, by-pass events (at three locations) commenced on 04-22-13, including Sewage Pump Station (SPS) #1, Sewage Treatment Plant (STP) and Tertiary Filter

By-Pass Durations/Volumes		
Location	Dates/Duration	Volume (m3)
SPS #1	Apr 22 – May 2 / 9.75days	26,000
STP	Apr 22 – May 3 / 10.75days	61,500
Tertiary Filter	Apr 22 – May 6 / 14.25days	31,100

- Continuous (24/7) monitoring/sampling at the Sewage Treatment Plant (avoid washout of plant process), Sewage Pumping Station(s) and Drinking Water System

By-Pass Sample Results (Range)			
	SPS #1	STP/Tert Filter	Tertiary Filter
CBOD (mg/L)	5 - 26	4 – 22	4 - 9
TSS (mg/L)	4 – 31	8 – 35	10 - 36
Phosphorus (mg/L)	0.17 – 0.35	0.19 – 0.41	0.12 – 0.92
TKN (mg/L)	2.1 – 6.5	0.7 – 6.0	/
Ammonia (mg/L)	0.3 – 1.6	0.1 – 2.7	<0.1
Nitrate/Nitrite (mg/L)	0.34 – 0.65	0.42 – 3.06	/
E.Coli (cfu/100mL)	21,200 – 820,000	460 – 122,000	100 - 900

- OCWA’s Emergency Response Team on-site to assist operations staff throughout 24 hour monitoring/sampling
- Portable pump at Sewage Pumping Station #2 on “Stand By” but was not required to by-pass
- Continual contact/updates with MOE inspector throughout chain of events
- All Bypass events discontinued by May 6th, 2013
- State of Emergency and flood warnings lifted on May 14th, 2013