IMPORTANT: AN INSPECTION, OPERATIONS & MAINTENANCE LOG SHOULD BE COMPLETED FOR EVERY SITE VISIT; PLEASE REVIEW PREVIOUS LOG ENTRY AND PROVIDE INFORMATION TO UPDATE OR RESOLVE ANY ONGOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marvin	Date Tuesday 10-02-2018	Remote monitor Start: 7:00 AM	Remote Monitor End: 11:30PM
		Site Visit start 9:30 AM	Site Visit end 2:00 PM
Condition: Temperature 64-76	x □ Clear Partly Cloudy □ Balm		my
Precip Past 24 hours: 0.00 inches		Wind: (mph): calm 4-7mp	h higher during storms

PURPOSE OF VISIT/ITEMS INSPECTED, OPERVATIONS

Monitored system remotely. 7:00 AM – 11:30 PM and whenever I wake during the night this goes
on a 24–7 schedule as needed. Site Visit to do a system and ground check and found our digester
pump still working so I kept it on the auto cycle. Pumped surface water during site visit. I conducted
a tour of Duke Students and professors

ENVIRONMENTAL SYSTEM OBSERVATIONS:

Equipment Observed:	Operational Status
Fluidyne Aeration System, Including:	
Jet Motive Pumps	☑ Auto ☐ Hand On ☐ Off ☐ In Fault
Blower	☑ Auto ☐ Hand On ☐ Off ☐ In Fault:
CP-1 (Control Panel)	☑ Auto ☐ Hand On ☐ Off ☐ In Fault
Flush Pumps	☐ Auto ☑ Hand On ☐ Off ☐ In Fault
Digester Mixing Pumps	

CP-1 DATA & SET POINTS:

Cycles	Set Point	Current	Modified Set Pt	Notes
Static	60	60		
Anoxic	90	90		
Aerobic	180	180		
Blower	☐ Continuous	⊠ Cycle		
Jet Motive Pumps	☐ Continuous ☐ Both ☐ Pump #1 ☐ Pump # 2			
Digester Pumps	☐ Continuous	⊠ Both □ Seque	ential	

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	
Blower		30Hz	

Anaerobic		
Mixing Pump 4A	60 Hz	
Mixing Pump 4B	60 Hz	

Equipment Observed:	Operational Status				
Unison Gas Skid	Flow Rate	Total Flow	Comp. Press.	Outlet Press.	Gauge Press.
Fault? □ Yes ☒ No	20.9				
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out
Fault? ☐ Yes ⊠ No	95852	1174		99	43.7 kw
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp
		⊠Y□N	31.2	29.1	301

UNISON GAS CONDITIONING LOG

Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
Data	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential	Door	Hours	
Dutu	-0.1	97.39	91.8	2.0	200.	7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
2444	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
· 0							
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100	168 to 185 F	78 to 100psig
. 0					psig		
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110	80 to 220 F	90 to 110psig
i ibiiiB					psig		
C	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Gas	80 to 220 F	90 to 110	11542 115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110	
Piping	80 10 220 1	psig	113 (0 133)	30 to 110 psig	33 (0 43)	psig	
Gas	TI 351	PI 351	Check	LI 721	LI 231	LI 741	
Piping	65 to 90 F	88 to 15 psig	Indicators				
פיייאי י			maicators				

Name	Affiliation	Phone Number/Email

IMPORTANT: AN INSPECTION, OPERATIONS & MAINTENANCE LOG SHOULD BE COMPLETED FOR EVERY SITE VISIT; PLEASE REVIEW PREVIOUS LOG ENTRY AND PROVIDE INFORMATION TO UPDATE OR RESOLVE ANY ONGOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marvin	Date Wednesday	Remote monitor Start:	Remote Monitor End:
	10-03-2018	7:00 AM	11:30PM
		Site Visit start 12:30 PM	Site Visit end 2:35 PM
Condition: Temperature 64-85	x □ Clear Partly Clou	udy 🗆 Balr	my
Precip Past 24 hours: 0.00 inches		Wind: (mph): calm 4-7mp	h higher during storms

PURPOSE OF VISIT/ITEMS INSPECTED, OPERVATIONS

Monitored system remotely. $7:00 \text{AM} - 11:30 \text{PM}$ and whenever I wake during the night this goes on a 24–7 schedule as needed. Site Visit to do a system and ground check and found our digester
pump still working so I kept it on the auto cycle. Pumped surface water during site visit.

ENVIRONMENTAL SYSTEM OBSERVATIONS:

Equipment Observed:	Operational Status
Fluidyne Aeration System, Including:	
Jet Motive Pumps	☑ Auto ☐ Hand On ☐ Off ☐ In Fault
Blower	☑ Auto ☐ Hand On ☐ Off ☐ In Fault:
CP-1 (Control Panel)	⊠ Auto □ Hand On □ Off □ In Fault
Flush Pumps	☐ Auto ☐ Hand On ☐ Off ☐ In Fault
Digester Mixing Pumps	

CP-1 DATA & SET POINTS;

Cycles	Set Point	Current	Modified Set Pt	Notes		
Static	60	60				
Anoxic	90	90				
Aerobic	180	180				
Blower	☐ Continuous	☐ Continuous ☒ Cycle				
Jet Motive Pumps	☐ Continuous ☒ Both ☐ Pump #1 ☐ Pump # 2					
Digester Pumps	☐ Continuous ☒ Both ☐ Sequential					

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	

Blower	30Hz	
Anaerobic		
Mixing Pump 4A	60 Hz	
Mixing Pump 4B	60 Hz	

Equipment Observed:	Operational Status					
Unison Gas Skid	Flow Rate	Flow Rate Total Flow Comp. Pre		Outlet Press.	Gauge Press.	
Fault? □ Yes ☒ No	20.9					
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out	
Fault? □ Yes ☒ No	95852	1174		99	43.7 kw	
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp	
		⊠Y□N	31.2	29.1	301	

UNISON GAS CONDITIONING LOG

UNISON GAS CC						1	
Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
Data	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential	Door	Hours	
	-0.1	97.39	91.8	2.0		7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
2444	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100	168 to 185 F	78 to 100psig
, 0					psig		
	DIT 044	- 1.044	- 1.004	DD1 004	DI 224	TI 004	DI 200
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110 psig	80 to 220 F	90 to 110psig
					Paig		
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
	80 to 220 F	90 to 110	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110	
Piping		psig				psig	
Gas	TI 351	PI 351	Check	LI 721	LI 231	LI 741	
Piping	65 to 90 F	88 to 15 psig	Indicators				
riping			indicators				
		l .		1	1	1	L

Name	Affiliation	Phone Number/Email

IMPORTANT: AN INSPECTION, OPERATIONS & MAINTENANCE LOG SHOULD BE COMPLETED FOR EVERY SITE VISIT; PLEASE REVIEW PREVIOUS LOG ENTRY AND PROVIDE INFORMATION TO UPDATE OR RESOLVE ANY ONGOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marv		Thursday I-2018	Remote monitor Sta 7:00 AM	rt: Remote Monitor	End:		
C. I'i' m			Site Visit start	Site Visit end			
Condition: Temperat 85	ture 64- x □ C	lear Partly Clou	oudy \square Balmy				
Precip Past 24 hou	rs: 0.00 inches	6	Wind: (mph): calm 4	-7mph higher during st	orms		
PURPOSE OF VISIT/ITE	EMS INSPECTED,	OPERVATIONS					
Monitored system r on a 24–7 schedule				during the night this goe	S		
ENVIRONMENTAL SYS			Operational Status				
Fluidyne Aeration Sys			Operational Status				
Jet Motive Pump			☐ Auto ☐ Hand On ☐ Off ☐ In Fault				
Blower			☑ Auto ☐ Hand On ☐ Off ☐ In Fault:				
CP-1 (Control Par	nel)		☐ Auto ☐ Hand On ☐ Off ☐ In Fault				
			⊠ Auto ⊔ Hand Or	ı □ Off □ In Fault			
Flush Pumps			☐ Auto ☐ Hand Or				
Flush Pumps Digester Mixing Pum	os		☐ Auto Hand On				
Digester Mixing Pum	NTS;		☐ Auto Hand On	□ Off □ In Fault			
Digester Mixing Pum CP-1 DATA & SET POIN Cycles	NTS; Set Point	Current	☐ Auto Hand On	□ Off □ In Fault			
Digester Mixing Pum CP-1 DATA & SET POIN Cycles Static	NTS; Set Point 60	60	☐ Auto ☐ Hand On ☐ Hand Or	☐ Off ☐ In Fault ☐ Off ☐ In Fault			
CP-1 DATA & SET POIN Cycles Static Anoxic	NTS; Set Point 60 90	60 90	☐ Auto ☐ Hand On ☐ Hand Or	☐ Off ☐ In Fault ☐ Off ☐ In Fault			
CP-1 DATA & SET POIN Cycles Static Anoxic Aerobic	NTS; Set Point 60 90 180	60 90 180	☐ Auto ☐ Hand On ☐ Hand Or	☐ Off ☐ In Fault ☐ Off ☐ In Fault			
CP-1 DATA & SET POIN Cycles Static Anoxic Aerobic Blower	NTS; Set Point 60 90	60 90	☐ Auto ☐ Hand On ☐ Hand Or	☐ Off ☐ In Fault ☐ Off ☐ In Fault			
CP-1 DATA & SET POIN Cycles Static Anoxic Aerobic	NTS; Set Point 60 90 180	60 90 180 ⊠ Cycle	□ Auto □ Hand On □ Auto □ Hand Or □ Modified Set Pt □ Pump #1 □ Pump # 2	☐ Off ☐ In Fault ☐ Off ☐ In Fault			

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	
Blower		30Hz	

Anaerobic		
Mixing Pump 4A	60 Hz	
Mixing Pump 4B	60 Hz	

Equipment Observed:	Operational Status					
Unison Gas Skid	Flow Rate	Total Flow	Comp. Press.	Outlet Press.	Gauge Press.	
Fault? □ Yes ☒ No	20.9					
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out	
Fault? □ Yes ☒ No	95852	1174		99	43.7 kw	
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp	
		⊠Y □N	31.2	29.1	301	

UNISON GAS CONDITIONING LOG

Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential		Hours	
Data	-0.1	97.39	91.8	2.0	Door	7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
Data	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100 psig	168 to 185 F	78 to 100psig
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110 psig	80 to 220 F	90 to 110psig
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Piping	80 to 220 F	90 to 110 psig	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110 psig	
Gas Piping	TI 351 65 to 90 F	PI 351 88 to 15 psig	Check Indicators	LI 721	LI 231	LI 741	

Name	Affiliation	Phone Number/Email

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Entry Made By: Marvin	Date Friday 10-05-2018	Remote monitor Start: 7:00 AM Site Visit start 1:45 PM	Remote Monitor End: 11:30PM
			Site Visit end 5:00 PM
Condition: Temperature 64-85	x □ Clear Partly Clo	udy 🗆 Balr	my
Precip Past 24 hours: 0.00 inches		Wind: (mph): calm 4-7mp	h higher during storms
Treespruse = Thourst old	mones	· (F) · · F	8 8

PURPOSE OF VISIT/ITEMS INSPECTED, OPERVATIONS

Monitored system remotely. $7:00~\text{AM}-11:30~\text{PM}$ and whenever I wake during the night this goes
on a 24–7 schedule as needed. Site Visit to do a system and ground check and found our digester
pump still working so I kept it on the auto cycle. Pumped surface water during site visit. Vented at
two ports for 2 hours

ENVIRONMENTAL SYSTEM OBSERVATIONS:

Equipment Observed:	Operational Status
Fluidyne Aeration System, Including:	
Jet Motive Pumps	
Blower	☑ Auto ☐ Hand On ☐ Off ☐ In Fault:
CP-1 (Control Panel)	⊠ Auto □ Hand On □ Off □ In Fault
Flush Pumps	☐ Auto ☐ Hand On ☐ Off ☐ In Fault
Digester Mixing Pumps	

CP-1 DATA & SET POINTS:

Cycles	Set Point	Current	Modified Set Pt	Notes	
Static	60	60			
Anoxic	90	90			
Aerobic	180	180			
Blower	☐ Continuous	⊠ Cycle			
Jet Motive Pumps	☐ Continuous ☒ Both ☐ Pump #1 ☐ Pump # 2				
Digester Pumps	☐ Continuous	⊠ Both □ Seque	ential		

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	
Blower		30Hz	

Anaerobic		
Mixing Pump 4A	60 Hz	
Mixing Pump 4B	60 Hz	

Equipment Observed:	Operational Status						
Unison Gas Skid	Flow Rate	Total Flow	Comp. Press.	Outlet Press.	Gauge Press.		
Fault? □ Yes ☒ No	20.9						
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out		
Fault? ☐ Yes ⊠ No	95852	1174		99	43.7 kw		
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp		
		⊠Y□N	31.2	29.1	301		

UNISON GAS CONDITIONING LOG

Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
Data	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential	Door	Hours	
Dutu	-0.1	97.39	91.8	2.0	200.	7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
2444	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
· 0							
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100	168 to 185 F	78 to 100psig
. 0					psig		
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110	80 to 220 F	90 to 110psig
i ibiiiB					psig		
C	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Gas	80 to 220 F	90 to 110	11542 115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110	
Piping	80 10 220 1	psig	113 (0 133)	30 to 110 psig	33 (0 43)	psig	
Gas	TI 351	PI 351	Check	LI 721	LI 231	LI 741	
Piping	65 to 90 F	88 to 15 psig	Indicators				
פיייאי י			maicators				

Name	Affiliation	Phone Number/Email

IMPORTANT: AN INSPECTION, OPERATIONS & MAINTENANCE LOG SHOULD BE COMPLETED FOR EVERY SITE VISIT; PLEASE REVIEW PREVIOUS LOG ENTRY AND PROVIDE INFORMATION TO UPDATE OR RESOLVE ANY ONGOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marv Condition: Temperat	Sund: 10-06	Saturday and ay 6-07-2018	Remote monitor Sta 7:00 AM Site Visit PM	art:	Remote Monitor End: 11:30PM Site Visit PM			
85		·			<u> </u>			
Precip Past 24 hou	rs: 0.00 inches	5	Wind: (mph): calm 4	-7mph	higher during storms			
PURPOSE OF VISIT/ITEMS INSPECTED, OPERVATIONS								
Monitored system remotely. 7:00 AM – 11:30 PM and whenever I wake during the night this goes on a 24–7 schedule as needed. Monitored remotely.								
ENVIRONMENTAL SYS Equipment Observed			Operational Status					
Fluidyne Aeration Sys			Operational Status					
Jet Motive Pump								
Jet Motive i dilip			☐ Auto ☐ Hand On ☐ Off ☐ In Fault					
Blower			☑ Auto ☐ Hand On ☐ Off ☐ In Fault:					
CP-1 (Control Par	nel)		☐ Auto ☐ Hand On ☐ Off ☐ In Fault					
Flush Pumps			☐ Auto ☒ Hand On ☐ Off ☐ In Fault					
Digester Mixing Pumps			☑ Auto ☐ Hand On ☐ Off ☐ In Fault					
CP-1 DATA & SET POINTS;								
Cycles	Set Point	Current	Modified Set Pt	Notes	3			
Static	60	60						
Anoxic	90	90						
Aerobic	180	180						
Blower	☐ Continuous	inuous 🗵 Cycle						
Jet Motive Pumps	☐ Continuous ☒ Both ☐ Pump #1 ☐ Pump # 2							
Digester Pumps	☐ Continuous ☒ Both ☐ Sequential							

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	
Blower		30Hz	

Anaerobic		
Mixing Pump 4A	60 Hz	
Mixing Pump 4B	60 Hz	

Equipment Observed:	Operational Status						
Unison Gas Skid	Flow Rate	Total Flow	Comp. Press.	Outlet Press.	Gauge Press.		
Fault? □ Yes ☒ No	20.9						
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out		
Fault? □ Yes ☒ No	95852	1174		99	43.7 kw		
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp		
		⊠Y □N	31.2	29.1	301		

UNISON GAS CONDITIONING LOG

Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential		Hours	
Data	-0.1	97.39	91.8	2.0	Door	7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
Data	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100 psig	168 to 185 F	78 to 100psig
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110 psig	80 to 220 F	90 to 110psig
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Piping	80 to 220 F	90 to 110 psig	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110 psig	
Gas Piping	TI 351 65 to 90 F	PI 351 88 to 15 psig	Check Indicators	LI 721	LI 231	LI 741	

Name	Affiliation	Phone Number/Email

IMPORTANT: AN INSPECTION, OPERATIONS & MAINTENANCE LOG SHOULD BE COMPLETED FOR EVERY SITE VISIT; PLEASE REVIEW PREVIOUS LOG ENTRY AND PROVIDE INFORMATION TO UPDATE OR RESOLVE ANY ONGOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marvin	Date Monday 10-08-2018	Remote monitor Start: 7:00 AM Site Visit start 11:15 AM	Remote Monitor End: 11:30PM Site Visit end 4:10 PM
Condition: Temperature 64-85	x □ Clear Partly Clou	udy with showers	□ Balmy
Precip Past 24 hours: 0.00 inches		Wind: (mph): calm 4-7mpl	n higher during storms

PURPOSE OF VISIT/ITEMS INSPECTED, OPERVATIONS

Monitored system remotely. 7:00 AM - 11:30 PM and whenever I wake during the night this goes on a 24–7 schedule as needed. Site Visit to do a system and ground check and found our digester pump still working so I kept it on the auto cycle. Pumped surface water during site visit. Met with Josh Amon to get the repaired Digester Pump installed we worked on getting pumps unclogged we are going to try to run as long as possible but not leave them unattended for a while. Sometimes they clog up and no fluid is being pumped.

ENVIRONMENTAL SYSTEM OBSERVATIONS:

Equipment Observed:	Operational Status		
Fluidyne Aeration System, Including:			
Jet Motive Pumps			
Blower	☑ Auto ☐ Hand On ☐ Off ☐ In Fault:		
CP-1 (Control Panel)	⊠ Auto □ Hand On □ Off □ In Fault		
Flush Pumps	☐ Auto ☐ Hand On ☐ Off ☐ In Fault		
Digester Mixing Pumps	⊠ Auto □ Hand On □ Off □ In Fault □ □ Hand On □ Off □ In Fault □ In Fault		

CP-1 DATA & SET POINTS:

C. 15/11/1 & 521 1 OII	- ,				
Cycles	Set Point	Current	Modified Set Pt	Notes	
Static	60	60			
Anoxic	90	90			
Aerobic	180	180			
Blower	☐ Continuous	⊠ Cycle			
Jet Motive Pumps	☐ Continuous ☐ Both ☐ Pump #1 ☐ Pump # 2				
Digester Pumps	☐ Continuous	⊠ Both □ Seque	ential		

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	
Blower		30Hz	

Anaerobic		
Mixing Pump 4A	60 Hz	
Mixing Pump 4B	60 Hz	

Equipment Observed:	Operational Status					
Unison Gas Skid	Flow Rate	Total Flow	Comp. Press.	Outlet Press.	Gauge Press.	
Fault? □ Yes ☒ No	20.9					
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out	
Fault? □ Yes ☒ No	95852	1174		99	43.7 kw	
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp	
		⊠Y□N	31.2	29.1	301	

UNISON GAS CONDITIONING LOG

Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
Data	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential	Door	Hours	
Data	-0.1	97.39	91.8	2.0	200.	7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
Data	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100 psig	168 to 185 F	78 to 100psig
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110 psig	80 to 220 F	90 to 110psig
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Piping	80 to 220 F	90 to 110 psig	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110 psig	
Gas Piping	TI 351 65 to 90 F	PI 351 88 to 15 psig	Check Indicators	LI 721	LI 231	LI 741	

Name	Affiliation	Phone Number/Email

IMPORTANT: AN INSPECTION, OPERATIONS & MAINTENANCE LOG SHOULD BE COMPLETED FOR EVERY SITE VISIT; PLEASE REVIEW PREVIOUS LOG ENTRY AND PROVIDE INFORMATION TO UPDATE OR RESOLVE ANY ONGOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marvin	Date Tuesday 10-09-2018	Remote monitor Start: 7:00 AM Site Visit start 4:15 PM	Remote Monitor End: 11:30PM
			Site Visit end 6:40 PM
Condition: Temperature 64-85	x □ Clear Partly Clo	udy with showers	□ Balmy
Precip Past 24 hours: 0.30 inches @12:10 PM		Wind: (mph): calm 4-7mp	h higher during storms

PURPOSE OF VISIT/ITEMS INSPECTED, OPERVATIONS

Monitored system remotely. 7:00 AM – 11:30 PM and whenever I wake during the night this goes
on a 24-7 schedule as needed. Site Visit to do a system and ground check and found our digester
pump still working. Pumped surface water during site visit. I changed the timers and after the
Digester pump restarted with a prime I am going to try it through the evening.

ENVIRONMENTAL SYSTEM OBSERVATIONS:

Equipment Observed:	Operational Status
Fluidyne Aeration System, Including:	
Jet Motive Pumps	☑ Auto ☐ Hand On ☐ Off ☐ In Fault
Blower	☑ Auto ☐ Hand On ☐ Off ☐ In Fault:
CP-1 (Control Panel)	☐ Auto ☐ Hand On ☐ Off ☐ In Fault
Flush Pumps	☐ Auto ☑ Hand On ☐ Off ☐ In Fault
Digester Mixing Pumps	□ Auto □ Hand On □ Off □ In Fault

CP-1 DATA & SET POINTS;

Cycles	Set Point	Current	Modified Set Pt	Notes	
Static	60	60			
Anoxic	90	90			
Aerobic	180	180			
Blower	☐ Continuous ☒ Cycle				
Jet Motive Pumps	☐ Continuous ☒ Both ☐ Pump #1 ☐ Pump # 2				
Digester Pumps	☐ Continuous ☒ Both ☐ Sequential				

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	

Blower	30Hz	
Anaerobic		
Mixing Pump 4A	60 Hz	
Mixing Pump 4B	60 Hz	

Equipment Observed:	Operational Status				
Unison Gas Skid	Flow Rate	Total Flow	Comp. Press.	Outlet Press.	Gauge Press.
Fault? □ Yes ☒ No	20.9				
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out
Fault? □ Yes ☒ No	95852	1174		99	43.7 kw
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp
		⊠Y□N	31.2	29.1	301

UNISON GAS CONDITIONING LOG

Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
Data	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential	Door	Hours	
Data	-0.1	97.39	91.8	2.0	D 00.	7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
Data	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100 psig	168 to 185 F	78 to 100psig
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110 psig	80 to 220 F	90 to 110psig
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Piping	80 to 220 F	90 to 110 psig	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110 psig	
Gas Piping	TI 351 65 to 90 F	PI 351 88 to 15 psig	Check Indicators	LI 721	LI 231	LI 741	

Name	Affiliation	Phone Number/Email

IMPORTANT: AN INSPECTION, OPERATIONS & MAINTENANCE LOG SHOULD BE COMPLETED FOR EVERY SITE VISIT; PLEASE REVIEW PREVIOUS LOG ENTRY AND PROVIDE INFORMATION TO UPDATE OR RESOLVE ANY ONGOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marvin	Date Wednesday 10-10-2018	Remote monitor Start: 7:00 AM Site Visit start10:15 AM	Remote Monitor End: 11:30PM
			Site Visit end4:30 PM
Condition: Temperature 64-75	x □ Clear Cloudy with showers □ Balmy		
Precip Past 24 hours: 0.50 inches		Wind: (mph): calm 4-7mp	h higher during storms
@12:07PM			

PURPOSE OF VISIT/ITEMS INSPECTED, OPERVATIONS

Monitored system remotely. 7:00 AM – 11:30 PM and whenever I wake during the night this goes
on a 24–7 schedule as needed. Site Visit to do a system and ground check and found our digester
pump still working. Pumped surface water during site visit. I changed the timers and after the
Digester pump restarted with a prime I am going to try it through another evening.

ENVIRONMENTAL SYSTEM OBSERVATIONS:

Equipment Observed:	Operational Status			
Fluidyne Aeration System, Including:				
Jet Motive Pumps	☑ Auto ☐ Hand On ☐ Off ☐ In Fault			
Blower	☑ Auto ☐ Hand On ☐ Off ☐ In Fault:			
CP-1 (Control Panel)	☑ Auto ☐ Hand On ☐ Off ☐ In Fault			
Flush Pumps	☐ Auto ☑ Hand On ☐ Off ☐ In Fault			
Digester Mixing Pumps				

CP-1 DATA & SET POINTS;

Cycles	Set Point	Current	Modified Set Pt	Notes	
Static	60	60			
Anoxic	90	90			
Aerobic	180	180			
Blower	☐ Continuous ☒ Cycle				
Jet Motive Pumps	☐ Continuous ☐ Both ☐ Pump #1 ☐ Pump # 2				
Digester Pumps	☐ Continuous ☒ Both ☐ Sequential				

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	

Blower	301	z
Anaerobic		
Mixing Pump 4A	60 H	2
Mixing Pump 4B	60 H	2

Equipment Observed:	Operational Status						
Unison Gas Skid	Flow Rate	Total Flow	Comp. Press.	Outlet Press.	Gauge Press.		
Fault? □ Yes ☒ No	20.9						
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out		
Fault? □ Yes ⊠ No	95852	1174		99	43.7 kw		
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp		
		⊠Y□N	31.2	29.1	301		

UNISON GAS CONDITIONING LOG

Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
Data	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential	Door	Hours	
Data	-0.1	97.39	91.8	2.0	D 00.	7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
Data	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100 psig	168 to 185 F	78 to 100psig
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110 psig	80 to 220 F	90 to 110psig
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Piping	80 to 220 F	90 to 110 psig	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110 psig	
Gas Piping	TI 351 65 to 90 F	PI 351 88 to 15 psig	Check Indicators	LI 721	LI 231	LI 741	

Name	Affiliation	Phone Number/Email

IMPORTANT: AN INSPECTION, OPERATIONS & MAINTENANCE LOG SHOULD BE COMPLETED FOR EVERY SITE VISIT; PLEASE REVIEW PREVIOUS LOG ENTRY AND PROVIDE INFORMATION TO UPDATE OR RESOLVE ANY ONGOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marvin	Date Thursday	Remote monitor Start:	Remote Monitor End:
	10-11-2018	7:00 AM	11:30PM
		Site Visit start12:15 PM	
			Site Visit end4:30 PM
Condition: Temperature 64-75	x ☐ Cloudy with sho	owers and wind	□ Balmy
Precip Past 28 hours: 3.20 inches @4:07PM		Wind: (mph): calm 4-7mpl	h higher during storms

PURPOSE OF VISIT/ITEMS INSPECTED, OPERVATIONS

Monitored system remotely. 7:00 AM - 11:30 PM and whenever I wake during the night this goes on a 24–7 schedule as needed. Site Visit to do a system and ground check and found our digester pump still working. Pumped surface water during site visit. I changed the timers and after the Digester pump restarted with a prime I am going to try it through another evening. Heavy rains from Michael with some flooding in the ditch Mr. Bryant not happy with the ditch. Lost power for an hour or so all back running and seeing breaks in the clouds

ENVIRONMENTAL SYSTEM OBSERVATIONS:

Equipment Observed:	Operational Status
Fluidyne Aeration System, Including:	
Jet Motive Pumps	
Blower	☑ Auto ☐ Hand On ☐ Off ☐ In Fault:
CP-1 (Control Panel)	☑ Auto ☐ Hand On ☐ Off ☐ In Fault
Flush Pumps	☐ Auto ☑ Hand On ☐ Off ☐ In Fault
Digester Mixing Pumps	

CP-1 DATA & SET POINTS:

CI I DAIA & SEI I OII	110,			
Cycles	Set Point	Current	Modified Set Pt	Notes
Static	60	60		
Anoxic	90	90		
Aerobic	180	180		
Blower	☐ Continuous	⊠ Cycle		
Jet Motive Pumps	☐ Continuous	⊠ Both □ Pum _l	p #1	
Digester Pumps	☐ Continuous	⊠ Both □ Seque	ential	

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	
Blower		30Hz	

Anaerobic		
Mixing Pump 4A	60 Hz	
Mixing Pump 4B	60 Hz	

Equipment Observed:	Operational Status						
Unison Gas Skid	Flow Rate	Total Flow	Comp. Press.	Outlet Press.	Gauge Press.		
Fault? □ Yes ☒ No	20.9						
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out		
Fault? □ Yes ☒ No	95852	1174		99	43.7 kw		
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp		
		⊠Y□N	31.2	29.1	301		

UNISON GAS CONDITIONING LOG

Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
Data	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential	Door	Hours	
Data	-0.1	97.39	91.8	2.0	5001	7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
2444	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100 psig	168 to 185 F	78 to 100psig
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110 psig	80 to 220 F	90 to 110psig
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Piping	80 to 220 F	90 to 110 psig	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110 psig	
Gas Piping	TI 351 65 to 90 F	PI 351 88 to 15 psig	Check Indicators	LI 721	LI 231	LI 741	

Name	Affiliation	Phone Number/Email

IMPORTANT: AN INSPECTION, OPERATIONS & MAINTENANCE LOG SHOULD BE COMPLETED FOR EVERY SITE VISIT; PLEASE REVIEW PREVIOUS LOG ENTRY AND PROVIDE INFORMATION TO UPDATE OR RESOLVE ANY ONGOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marvin	Date Friday 10-12-2018	Remote monitor Start: 7:00 AM Site Visit start 1:00 PM	Remote Monitor End: 11:30PM
			Site Visit end 4:15 PM
Condition: Temperature 64-75	x □ Partly Cloudy	☐ Balmy	
Precip Past 24 hours: 0.00 i	inches @4:07PM	Wind: (mph): calm 4-10m	ph

PURPOSE OF VISIT/ITEMS INSPECTED, OPERVATIONS

Monitored system remotely. 7:00 AM - 11:30 PM and whenever I wake during the night this goes on a 24–7 schedule as needed. Site Visit to do a system and ground check and found our digester pump still working. Pumped surface water during site visit. I changed the timers and after the Digester pump restarted with a prime I am going to try it through another evening. The Flare continues to run on gravity gas flow of 8-10 CFM I needed to vent today at two ports for 2.5 hours

ENVIRONMENTAL SYSTEM OBSERVATIONS:

Equipment Observed:	Operational Status
Fluidyne Aeration System, Including:	
Jet Motive Pumps	☑ Auto ☐ Hand On ☐ Off ☐ In Fault
Blower	☑ Auto ☐ Hand On ☐ Off ☐ In Fault:
CP-1 (Control Panel)	
Flush Pumps	☐ Auto ☐ Hand On ☐ Off ☐ In Fault
Digester Mixing Pumps	

CP-1 DATA & SET POINTS:

CI -I DAIA & SEI I OII	,		_	T	
Cycles	Set Point	Current	Modified Set Pt	Notes	
Static	60	60			
Anoxic	90	90			
Aerobic	180	180			
Blower	☐ Continuous	⊠ Cycle			
Jet Motive Pumps	☐ Continuous ☐ Both ☐ Pump #1 ☐ Pump # 2				
Digester Pumps	☐ Continuous	⊠ Both □ Seque	ential		

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	
Blower		30Hz	

Anaerobic		
Mixing Pump 4A	60 Hz	
Mixing Pump 4B	60 Hz	

Equipment Observed:	Operational Status					
Unison Gas Skid	Flow Rate	Total Flow	Comp. Press.	Outlet Press.	Gauge Press.	
Fault? □ Yes ☒ No	20.9					
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out	
Fault? □ Yes ☒ No	95852	1174		99	43.7 kw	
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp	
		⊠Y□N	31.2	29.1	301	

UNISON GAS CONDITIONING LOG

Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
Data	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential	Door	Hours	
Data	-0.1	97.39	91.8	2.0	D 001	7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
2444	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100 psig	168 to 185 F	78 to 100psig
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110 psig	80 to 220 F	90 to 110psig
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Piping	80 to 220 F	90 to 110 psig	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110 psig	
Gas	TI 351	PI 351	Check	LI 721	LI 231	LI 741	
Piping	65 to 90 F	88 to 15 psig	Indicators				

Name	Affiliation	Phone Number/Email

IMPORTANT: AN INSPECTION, OPERATIONS & MAINTENANCE LOG SHOULD BE COMPLETED FOR EVERY SITE VISIT; PLEASE REVIEW PREVIOUS LOG ENTRY AND PROVIDE INFORMATION TO UPDATE OR RESOLVE ANY ONGOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marv	Sund	Saturday and ay 3-14-2018	Remote monitor Sta 7:00 AM Site Visit start 1:00		Remote Monitor End: 11:30PM		
	10-1.	5-14-2010	Site visit start 1.00	LIVI	Site Visit end 4:15 PM		
Condition: Temperat 75	ture 64-	Partly Cloudy	☐ Balmy				
Precip Past hours: 0.00 inches Wind: (mph): calm 4-10mph					oh		
PURPOSE OF VISIT/ITE	PURPOSE OF VISIT/ITEMS INSPECTED, OPERVATIONS						
Monitored system r	emotely 7:00 A	M – 11·30 PM a	nd whenever I wake	during	the night this goes		
on a 24–7 schedule ENVIRONMENTAL SYS	on a 24–7 schedule as needed. Monitoring the flare.						
Equipment Observed	d:		Operational Status				
Fluidyne Aeration Sys	stem, Including:						
Jet Motive Pump	S		☑ Auto ☐ Hand On ☐ Off ☐ In Fault				
Blower			□ Auto □ Hand On	□ O1	ff 🔲 In Fault:		
CP-1 (Control Par	nel)			n 🗆 0	off 🗆 In Fault		
Flush Pumps			☐ Auto Hand On	□ O1	ff □ In Fault		
Digester Mixing Pum	ps			n 🗆 C	Off 🗌 In Fault		
CP-1 DATA & SET POINTS;							
Cycles	Set Point Current Modified Set Pt Notes						
Static	60	60					
Anoxic	90	90					
Aerobic	180 180						
Blower	☐ Continuous ☒ Cycle						
Jet Motive Pumps	☐ Continuous ☒ Both ☐ Pump #1 ☐ Pump # 2						
Digester Pumps	☐ Continuous ☒ Both ☐ Sequential						
<u>-</u>							

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	
Blower		30Hz	

Anaerobic		
Mixing Pump 4A	60 Hz	
Mixing Pump 4B	60 Hz	

Equipment Observed:	Operational St	atus			
Unison Gas Skid	Flow Rate	Total Flow	Comp. Press.	Outlet Press.	Gauge Press.
Fault? □ Yes ☒ No	20.9				
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out
Fault? □ Yes ☒ No	95852	1174		99	43.7 kw
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp
		⊠Y□N	31.2	29.1	301

UNISON GAS CONDITIONING LOG

Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
Data	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential	Door	Hours	
Data	-0.1	97.39	91.8	2.0	D 001	7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
2444	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100 psig	168 to 185 F	78 to 100psig
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110 psig	80 to 220 F	90 to 110psig
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Piping	80 to 220 F	90 to 110 psig	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110 psig	
Gas	TI 351	PI 351	Check	LI 721	LI 231	LI 741	
Piping	65 to 90 F	88 to 15 psig	Indicators				

Name	Affiliation	Phone Number/Email

IMPORTANT: AN INSPECTION, OPERATIONS & MAINTENANCE LOG SHOULD BE COMPLETED FOR EVERY SITE VISIT; PLEASE REVIEW PREVIOUS LOG ENTRY AND PROVIDE INFORMATION TO UPDATE OR RESOLVE ANY ONGOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marvin	Date Monday 10-15-2018	Remote monitor Start: 7:00 AM Site Visit start 2:00 PM	Remote Monitor End: 11:30PM
			Site Visit end 5:15 PM
Condition: Temperature 64-75	x □ Partly Cloudy	☐ Balmy	
Precip Past 72 hours: 0.20 i	inches @5:07PM	Wind: (mph): calm 4-10m	ph

PURPOSE OF VISIT/ITEMS INSPECTED, OPERVATIONS

Monitored system remotely. 7:00 AM - 11:30 PM and whenever I wake during the night this goes on a 24–7 schedule as needed. Site Visit to do a system and ground check and found our digester pump still working. Pumped surface water during site visit. The timers are working well with the restart of the Digester pumps. I am going to leave them as they are for now. The Flare continues to run on gravity gas flow of 8-10 CFM. No venting since Friday 10-12-2018.

ENVIRONMENTAL SYSTEM OBSERVATIONS:

Equipment Observed:	Operational Status
Fluidyne Aeration System, Including:	
Jet Motive Pumps	☑ Auto ☐ Hand On ☐ Off ☐ In Fault
Blower	☑ Auto ☐ Hand On ☐ Off ☐ In Fault:
CP-1 (Control Panel)	☑ Auto ☐ Hand On ☐ Off ☐ In Fault
Flush Pumps	☐ Auto ☑ Hand On ☐ Off ☐ In Fault
Digester Mixing Pumps	

CP-1 DATA & SET POINTS:

C. 15/11/1 & 521 1 OII	- ,			
Cycles	Set Point	Current	Modified Set Pt	Notes
Static	60	60		
Anoxic	90	90		
Aerobic	180	180		
Blower	☐ Continuous	⊠ Cycle		
Jet Motive Pumps	☐ Continuous	⊠ Both □ Pum _l	o #1 🗆 Pump # 2	
Digester Pumps	☐ Continuous	⊠ Both □ Seque	ential	

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	
Blower		30Hz	

Anaerobic		
Mixing Pump 4A	60 Hz	
Mixing Pump 4B	60 Hz	

Equipment Observed:	Operational Sta	atus			
Unison Gas Skid	Flow Rate	Total Flow	Comp. Press.	Outlet Press.	Gauge Press.
Fault? □ Yes ☒ No	20.9				
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out
Fault? □ Yes ☒ No	95852	1174		99	43.7 kw
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp
		⊠Y□N	31.2	29.1	301

UNISON GAS CONDITIONING LOG

Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential		Hours	
Data	-0.1	97.39	91.8	2.0	Door	7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
Data	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100 psig	168 to 185 F	78 to 100psig
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110 psig	80 to 220 F	90 to 110psig
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Piping	80 to 220 F	90 to 110 psig	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110 psig	
Gas Piping	TI 351 65 to 90 F	PI 351 88 to 15 psig	Check Indicators	LI 721	LI 231	LI 741	

Name	Affiliation	Phone Number/Email

IMPORTANT: AN INSPECTION, OPERATIONS & MAINTENANCE LOG SHOULD BE COMPLETED FOR EVERY SITE VISIT; PLEASE REVIEW PREVIOUS LOG ENTRY AND PROVIDE INFORMATION TO UPDATE OR RESOLVE ANY ONGOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marv		5-2018	Remote monitor Sta 7:00 AM Site Visit start PM	rt: Remote Monitor End 11:30PM Site Visit end PM
Condition: Temperat 75	cure 64- x 🗆 F	Partly Cloudy	☐ Balmy	
Precip Past 72 hou	rs: 0.0 inches @	PM V	Wind: (mph): calm 4	-10mph
PURPOSE OF VISIT/ITE	EMS INSPECTED,	OPERVATIONS		
Monitored system r on a 24–7 schedule	•	M – 11:30 PM an	nd whenever I wake o	during the night this goes
NVIRONMENTAL SYS Equipment Observed				
		(Operational Status	
• •			Operational Status	
• •	stem, Including:		Operational Status ☑ Auto ☐ Hand Or	n □ Off □ In Fault
Fluidyne Aeration Sys	stem, Including:	[⊠ Auto □ Hand Or	Off In Fault
Fluidyne Aeration Sys Jet Motive Pump	stem, Including: s]	⊠ Auto □ Hand Or	☐ Off ☐ In Fault:
Fluidyne Aeration Sys Jet Motive Pumps Blower	stem, Including: s	[✓ Auto ☐ Hand Or✓ Auto ☐ Hand On	☐ Off ☐ In Fault:
Fluidyne Aeration Sys Jet Motive Pumps Blower CP-1 (Control Par	stem, Including: s nel)]	 Auto □ Hand Or Auto □ Hand On Auto □ Hand Or □ Auto □ Hand On 	☐ Off ☐ In Fault:
Fluidyne Aeration Sys Jet Motive Pumps Blower CP-1 (Control Par Flush Pumps Digester Mixing Pump	nel)]	□ Auto □ Hand Or □ Auto □ Hand On □ Auto □ Hand Or	Off In Fault Off In Fault Off In Fault Off In Fault In Off In Fault
Fluidyne Aeration Sys Jet Motive Pumps Blower CP-1 (Control Par Flush Pumps Digester Mixing Pump P-1 DATA & SET POIN Cycles	nel) NTS; Set Point	Current	 Auto □ Hand Or Auto □ Hand On Auto □ Hand Or □ Auto □ Hand On 	Off In Fault Off In Fault Off In Fault Off In Fault In Off In Fault
Fluidyne Aeration Sys Jet Motive Pumps Blower CP-1 (Control Par Flush Pumps Digester Mixing Pump P-1 DATA & SET POIN Cycles Static	nel) NTS; Set Point 60		□ Auto □ Hand Or □ Auto □ Hand On □ Auto □ Hand Or	Off In Fault Off In Fault Off In Fault Off In Fault In Off In Fault
Fluidyne Aeration Sys Jet Motive Pumps Blower CP-1 (Control Par Flush Pumps Digester Mixing Pump P-1 DATA & SET POIN Cycles Static Anoxic	nel) Set Point 60 90	Current 60 90	□ Auto □ Hand Or □ Auto □ Hand On □ Auto □ Hand Or	Off In Fault Off In Fault Off In Fault Off In Fault In Off In Fault
Fluidyne Aeration Sys Jet Motive Pumps Blower CP-1 (Control Par Flush Pumps Digester Mixing Pump CP-1 DATA & SET POIN Cycles Static Anoxic Aerobic	nel) Set Point 60 90 180	Current 60 90 180	□ Auto □ Hand Or □ Auto □ Hand On □ Auto □ Hand Or	Off In Fault Off In Fault Off In Fault Off In Fault In Off In Fault
Fluidyne Aeration Sys Jet Motive Pumps Blower CP-1 (Control Par Flush Pumps Digester Mixing Pump CP-1 DATA & SET POIN Cycles Static Anoxic	nel) NTS; Set Point 60 90 180 Continuous	Current 60 90 180 Cycle	□ Auto □ Hand Or □ Modified Set Pt	Off In Fault Off In Fault Off In Fault Off In Fault In Off In Fault
Fluidyne Aeration Sys Jet Motive Pumps Blower CP-1 (Control Par Flush Pumps Digester Mixing Pump CP-1 DATA & SET POIN Cycles Static Anoxic Aerobic Blower	nel) NTS; Set Point 60 90 180 Continuous	Current 60 90 180 Cycle	Auto □ Hand Or Auto □ Hand On Auto □ Hand Or Auto □ Hand Or Auto □ Hand Or Auto □ Hand Or Modified Set Pt	Off In Fault Off In Fault Off In Fault Off In Fault In Off In Fault

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	
Blower		30Hz	

Anaerobic		
Mixing Pump 4A	60 Hz	
Mixing Pump 4B	60 Hz	

Equipment Observed:	Operational Status						
Unison Gas Skid	Flow Rate	Total Flow	Comp. Press.	Outlet Press.	Gauge Press.		
Fault? □ Yes ☒ No	20.9						
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out		
Fault? ☐ Yes ⊠ No	95852	1174		99	43.7 kw		
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp		
		⊠Y□N	31.2	29.1	301		

UNISON GAS CONDITIONING LOG

Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
Data	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential	Door	Hours	
Dutu	-0.1	97.39	91.8	2.0	200.	7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
2444	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
· 0							
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100	168 to 185 F	78 to 100psig
. 0					psig		
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110	80 to 220 F	90 to 110psig
i ibiiiB					psig		
C	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Gas	80 to 220 F	90 to 110	11542 115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110	
Piping	80 10 220 1	psig	113 (0 133)	30 to 110 psig	33 (0 43)	psig	
Gas	TI 351	PI 351	Check	LI 721	LI 231	LI 741	
Piping	65 to 90 F	88 to 15 psig	Indicators				
פיייאי י			maicators				

Name	Affiliation	Phone Number/Email

IMPORTANT: AN INSPECTION, OPERATIONS & MAINTENANCE LOG SHOULD BE COMPLETED FOR EVERY SITE VISIT; PLEASE REVIEW PREVIOUS LOG ENTRY AND PROVIDE INFORMATION TO UPDATE OR RESOLVE ANY ONGOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marvin	Date Wednesday 10-17-2018	Remote monitor Start: 7:00 AM Site Visit start 3:15 PM	Remote Monitor End: 11:30PM
			Site Visit end 6:00 PM
Condition: Temperature 64-75	x □ Partly Cloudy	☐ Balmy	
Precip Past 48 hours: 0.10 inches @5:50PM		Wind: (mph): calm 4-10m	ph

PURPOSE OF VISIT/ITEMS INSPECTED, OPERVATIONS

Monitored system remotely. 7:00 AM - 11:30 PM and whenever I wake during the night this goes on a 24–7 schedule as needed. Site Visit to do a system and ground check and found our digester pump still working. Pumped surface water during site visit. The timers are working well with the restart of the Digester pumps. I am going to leave them as they are for now. The Flare continues to run on gravity gas flow of 8-10 CFM. No venting since Friday 10-12-2018.

ENVIRONMENTAL SYSTEM OBSERVATIONS:

Equipment Observed:	Operational Status
Fluidyne Aeration System, Including:	
Jet Motive Pumps	☑ Auto ☐ Hand On ☐ Off ☐ In Fault
Blower	☑ Auto ☐ Hand On ☐ Off ☐ In Fault:
CP-1 (Control Panel)	☑ Auto ☐ Hand On ☐ Off ☐ In Fault
Flush Pumps	☐ Auto ☑ Hand On ☐ Off ☐ In Fault
Digester Mixing Pumps	

CP-1 DATA & SET POINTS:

CI I DAIA & SEI I OII	110,			
Cycles	Set Point	Current	Modified Set Pt	Notes
Static	60	60		
Anoxic	90	90		
Aerobic	180	180		
Blower	☐ Continuous	⊠ Cycle		
Jet Motive Pumps	☐ Continuous	⊠ Both □ Pum _l	p #1	
Digester Pumps	☐ Continuous	⊠ Both □ Seque	ential	

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	
Blower		30Hz	

Anaerobic		
Mixing Pump 4A	60 Hz	
Mixing Pump 4B	60 Hz	

Equipment Observed:	Operational Sta	atus			
Unison Gas Skid	Flow Rate	Total Flow	Comp. Press.	Outlet Press.	Gauge Press.
Fault? □ Yes ☒ No	20.9				
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out
Fault? □ Yes ☒ No	95852	1174		99	43.7 kw
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp
		⊠Y□N	31.2	29.1	301

UNISON GAS CONDITIONING LOG

Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential		Hours	
Data	-0.1	97.39	91.8	2.0	Door	7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
Data	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100 psig	168 to 185 F	78 to 100psig
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110 psig	80 to 220 F	90 to 110psig
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Piping	80 to 220 F	90 to 110 psig	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110 psig	
Gas Piping	TI 351 65 to 90 F	PI 351 88 to 15 psig	Check Indicators	LI 721	LI 231	LI 741	

Name	Affiliation	Phone Number/Email

IMPORTANT: AN INSPECTION, OPERATIONS & MAINTENANCE LOG SHOULD BE COMPLETED FOR EVERY SITE VISIT; PLEASE REVIEW PREVIOUS LOG ENTRY AND PROVIDE INFORMATION TO UPDATE OR RESOLVE ANY ONGOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marv		Thursday 3-2018	Remote monitor St 7:00 AM Site Visit start PM	art:	Remote Monitor End: 11:30PM Site Visit end PM
Condition: Temperat 75	ure 64- x 🗆 1	Partly Cloudy	☐ Balmy		
Precip Past 72 hou	rs: 0.0 inches (@PM	Wind: (mph): calm 4	4-10mp	h
PURPOSE OF VISIT/ITE	MS INSPECTED,	OPERVATIONS			
Monitored system ron a 24–7 schedule	•	M – 11:30 PM a	and whenever I wake	during	the night this goes
		ONS:	Operational Status		
Equipment Observed	l:	ONS:	Operational Status		
	l: tem, Including:	ONS:	Operational Status Auto Hand O	n 🗆 O	ff □ In Fault
Equipment Observed Fluidyne Aeration Sys	l: tem, Including:	ONS:	•		
Equipment Observed Fluidyne Aeration Sys Jet Motive Pumps	l: stem, Including: s	ONS:	⊠ Auto ☐ Hand O	n 🗆 Of	f 🗆 In Fault:
Fluidyne Aeration Sys Jet Motive Pumps Blower	l: stem, Including: s	ONS:	□ Auto □ Hand O □ Hand Or	n □ Of	f □ In Fault:
Fluidyne Aeration Sys Jet Motive Pumps Blower CP-1 (Control Par	l: stem, Including: s	ONS:	□ Auto □ Hand O □ Auto □ Hand Or □ Auto □ Hand Or □ Auto □ Hand Or	n □ Of on □ O	f □ In Fault:
Fluidyne Aeration Sys Jet Motive Pumps Blower CP-1 (Control Par Flush Pumps Digester Mixing Pump	tem, Including: s nel)	ONS:	□ Auto □ Hand O □ Auto □ Hand Or □ Auto □ Hand Or □ Auto □ Hand Or	n □ Of on □ O	f □ In Fault: ff □ In Fault f □ In Fault
Equipment Observed Fluidyne Aeration Sys Jet Motive Pumps Blower CP-1 (Control Par Flush Pumps Digester Mixing Pump	tem, Including: s nel)	ONS:	□ Auto □ Hand O □ Auto □ Hand Or □ Auto □ Hand Or □ Auto □ Hand Or	n □ Of	f In Fault: f In Fault f In Fault f In Fault
Fluidyne Aeration Sys Jet Motive Pumps Blower CP-1 (Control Par Flush Pumps Digester Mixing Pump	item, Including: s nel) os NTS; Set Point 60	Current 60	Auto ☐ Hand O Auto ☐ Hand Or Auto ☐ Hand Or Auto ☐ Hand Or Auto ☐ Hand Or Auto ☐ Hand Or	n □ Of	f In Fault: f In Fault f In Fault f In Fault
Equipment Observed Fluidyne Aeration Sys Jet Motive Pumps Blower CP-1 (Control Par Flush Pumps Digester Mixing Pump CP-1 DATA & SET POIN Cycles	nel) NTS; Set Point	Current	Auto ☐ Hand O Auto ☐ Hand Or Auto ☐ Hand Or Auto ☐ Hand Or Auto ☐ Hand Or Auto ☐ Hand Or	n □ Of	f In Fault: f In Fault f In Fault f In Fault
Equipment Observed Fluidyne Aeration Sys Jet Motive Pumps Blower CP-1 (Control Par Flush Pumps Digester Mixing Pump CP-1 DATA & SET POIN Cycles Static	item, Including: s nel) os NTS; Set Point 60	Current 60	Auto ☐ Hand O Auto ☐ Hand Or Auto ☐ Hand Or Auto ☐ Hand Or Auto ☐ Hand Or Auto ☐ Hand Or	n □ Of	f
Equipment Observed Fluidyne Aeration Sys Jet Motive Pumps Blower CP-1 (Control Par Flush Pumps Digester Mixing Pump CP-1 DATA & SET POIN Cycles Static Anoxic	nel) Set Point 60 90	Current 60 90	Auto ☐ Hand O Auto ☐ Hand Or Auto ☐ Hand Or Auto ☐ Hand Or Auto ☐ Hand Or Auto ☐ Hand Or	n □ Of	f In Fault: f In Fault f In Fault f In Fault
Equipment Observed Fluidyne Aeration Sys Jet Motive Pumps Blower CP-1 (Control Par Flush Pumps Digester Mixing Pump CP-1 DATA & SET POIN Cycles Static Anoxic Aerobic	item, Including: s nel) TS; Set Point 60 90 180 Continuous	Current 60 90 180 ⊠ Cycle	Auto ☐ Hand O Auto ☐ Hand Or Auto ☐ Hand Or Auto ☐ Hand Or Auto ☐ Hand Or Auto ☐ Hand Or	n □ Of	f In Fault: f In Fault f In Fault f In Fault

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	
Blower		30Hz	

Anaerobic		
Mixing Pump 4A	60 Hz	
Mixing Pump 4B	60 Hz	

Equipment Observed:	Operational Status					
Unison Gas Skid	Flow Rate	Total Flow	Comp. Press.	Outlet Press.	Gauge Press.	
Fault? □ Yes ☒ No	20.9					
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out	
Fault? ☐ Yes ⊠ No	95852	1174		99	43.7 kw	
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp	
		⊠Y□N	31.2	29.1	301	

UNISON GAS CONDITIONING LOG

Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
Data	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential	Door	Hours	
Dutu	-0.1	97.39	91.8	2.0	200.	7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
2444	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
· 0							
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100	168 to 185 F	78 to 100psig
. 0					psig		
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110	80 to 220 F	90 to 110psig
i ibiiiB					psig		
C	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Gas	80 to 220 F	90 to 110	11542 115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110	
Piping	80 10 220 1	psig	113 (0 133)	30 to 110 psig	33 (0 43)	psig	
Gas	TI 351	PI 351	Check	LI 721	LI 231	LI 741	
Piping	65 to 90 F	88 to 15 psig	Indicators				
פיייאי י			maicators				

Name	Affiliation	Phone Number/Email

IMPORTANT: AN INSPECTION, OPERATIONS & MAINTENANCE LOG SHOULD BE COMPLETED FOR EVERY SITE VISIT; PLEASE REVIEW PREVIOUS LOG ENTRY AND PROVIDE INFORMATION TO UPDATE OR RESOLVE ANY ONGOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marvin	Date Friday 10-19-2018	Remote monitor Start: 7:00 AM Site Visit start 2:15 PM	Remote Monitor End: 11:30PM
			Site Visit end 4:45 PM
Condition: Temperature 46-68	x □ Partly Cloudy	☐ Balmy	
Precip Past 48 hours: 0.0 in	ches @5:50PM	Wind: (mph): calm 4-10m	ph

PURPOSE OF VISIT/ITEMS INSPECTED, OPERVATIONS

Monitored system remotely. 7:00 AM – 11:30 PM and whenever I wake during the night this goes on a 24–7 schedule as needed. Site Visit to do a system and ground check and found our digester pump still working. Pumped surface water during site visit. The timers are working well with the restart of the Digester pumps. I am going to leave them as they are for now. I worked on Drainage some. The Flare continues to run on gravity gas flow of 8-10 CFM. No venting since Friday 10-12-2018.

ENVIRONMENTAL SYSTEM OBSERVATIONS:

Equipment Observed:	Operational Status
Fluidyne Aeration System, Including:	
Jet Motive Pumps	
Blower	☑ Auto ☐ Hand On ☐ Off ☐ In Fault:
CP-1 (Control Panel)	☑ Auto ☐ Hand On ☐ Off ☐ In Fault
Flush Pumps	☐ Auto ☐ Hand On ☐ Off ☐ In Fault
Digester Mixing Pumps	

CP-1 DATA & SET POINTS:

Cycles	Set Point	Current	Modified Set Pt	Notes	
Static	60	60			
Anoxic	90	90			
Aerobic	180	180			
Blower	☐ Continuous	⊠ Cycle			
Jet Motive Pumps	☐ Continuous ☑ Both ☐ Pump #1 ☐ Pump # 2				
Digester Pumps	☐ Continuous	⊠ Both □ Seque	ential		

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	
Blower		30Hz	

Anaerobic		
Mixing Pump 4A	60 Hz	
Mixing Pump 4B	60 Hz	

Equipment Observed:	Operational Status					
Unison Gas Skid	Flow Rate	Total Flow	Comp. Press.	Outlet Press.	Gauge Press.	
Fault? □ Yes ☒ No	20.9					
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out	
Fault? □ Yes ☒ No	95852	1174		99	43.7 kw	
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp	
		⊠Y□N	31.2	29.1	301	

UNISON GAS CONDITIONING LOG

Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
Data	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential	Door	Hours	
Data	-0.1	97.39	91.8	2.0	D 001	7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
2444	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100 psig	168 to 185 F	78 to 100psig
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110 psig	80 to 220 F	90 to 110psig
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Piping	80 to 220 F	90 to 110 psig	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110 psig	
Gas	TI 351	PI 351	Check	LI 721	LI 231	LI 741	
Piping	65 to 90 F	88 to 15 psig	Indicators				

Name	Affiliation	Phone Number/Email

IMPORTANT: AN INSPECTION, OPERATIONS & MAINTENANCE LOG SHOULD BE COMPLETED FOR EVERY SITE VISIT; PLEASE REVIEW PREVIOUS LOG ENTRY AND PROVIDE INFORMATION TO UPDATE OR RESOLVE ANY ONGOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marvin	Date Saturday and Sunday 10-20-21-2018	Remote monitor Start: 7:00 AM Site Visit start	Remote Monitor End: 11:30PM
			Site Visit end
Condition: Temperature 46-68	x □ Partly Cloudy	□ Balmy	
Precip		Wind: (mph): calm 4-10m	ph
-	•	-	·

PURPOSE OF VISIT/ITEMS INSPECTED, OPERVATIONS

Monitored system remotely. 7:00 AM – 11:30 PM and whenever I wake during the night this goes
on a 24–7 schedule as needed. The timers are working well with the restart of the Digester pumps.
I am going to leave them as they are for now. The Flare continues to run on gravity gas flow of $8-10$
CFM. No venting since Friday 10-12-2018.

ENVIRONMENTAL SYSTEM OBSERVATIONS:

Equipment Observed:	Operational Status
Fluidyne Aeration System, Including:	
Jet Motive Pumps	
Blower	☑ Auto ☐ Hand On ☐ Off ☐ In Fault:
CP-1 (Control Panel)	⊠ Auto □ Hand On □ Off □ In Fault
Flush Pumps	☐ Auto ☐ Hand On ☐ Off ☐ In Fault
Digester Mixing Pumps	

CP-1 DATA & SET POINTS:

Cycles	Set Point	Current	Modified Set Pt	Notes	
Static	60	60			
Anoxic	90	90			
Aerobic	180	180			
Blower	☐ Continuous	⊠ Cycle			
Jet Motive Pumps	☐ Continuous ☒ Both ☐ Pump #1 ☐ Pump # 2				
Digester Pumps	☐ Continuous	⊠ Both □ Seque	ential		

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	
Blower		30Hz	

Anaerobic		
Mixing Pump 4A	60 Hz	
Mixing Pump 4B	60 Hz	

Equipment Observed:	Operational Status					
Unison Gas Skid	Flow Rate	Total Flow	Comp. Press.	Outlet Press.	Gauge Press.	
Fault? □ Yes ☒ No	20.9					
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out	
Fault? □ Yes ☒ No	95852	1174		99	43.7 kw	
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp	
		⊠Y□N	31.2	29.1	301	

UNISON GAS CONDITIONING LOG

Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
Data	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential	Door	Hours	
Data	-0.1	97.39	91.8	2.0	D 001	7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
2444	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100 psig	168 to 185 F	78 to 100psig
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110 psig	80 to 220 F	90 to 110psig
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Piping	80 to 220 F	90 to 110 psig	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110 psig	
Gas	TI 351	PI 351	Check	LI 721	LI 231	LI 741	
Piping	65 to 90 F	88 to 15 psig	Indicators				

Name	Affiliation	Phone Number/Email

IMPORTANT: AN INSPECTION, OPERATIONS & MAINTENANCE LOG SHOULD BE COMPLETED FOR EVERY SITE VISIT; PLEASE REVIEW PREVIOUS LOG ENTRY AND PROVIDE INFORMATION TO UPDATE OR RESOLVE ANY ONGOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marvin	Date Monday 10-22-2018	Remote monitor Start: 7:00 AM Site Visit start 1:15 PM	Remote Monitor End: 11:30PM
			Site Visit end 4:30 PM
Condition: Temperature 37-62	x □ Partly Cloudy	☐ Balmy	
Precip Past 48 hours: 0.0 in	ches @5:50PM	Wind: (mph): calm 4-10m	ph

PURPOSE OF VISIT/ITEMS INSPECTED, OPERVATIONS

Monitored system remotely. 7:00 AM – 11:30 PM and whenever I wake during the night this goes on a 24–7 schedule as needed. Site Visit to do a system and ground check and found our digester pump still working. Pumped surface water during site visit. The timers are working well with the restart of the Digester pumps. I am going to leave them as they are for now. I worked on Drainage some. The Flare continues to run on gravity gas flow of 8-10 CFM. No venting since Friday 10-12-2018.

ENVIRONMENTAL SYSTEM OBSERVATIONS:

Equipment Observed:	Operational Status
Fluidyne Aeration System, Including:	
Jet Motive Pumps	
Blower	☑ Auto ☐ Hand On ☐ Off ☐ In Fault:
CP-1 (Control Panel)	☑ Auto ☐ Hand On ☐ Off ☐ In Fault
Flush Pumps	☐ Auto ☑ Hand On ☐ Off ☐ In Fault
Digester Mixing Pumps	

CP-1 DATA & SET POINTS:

C. 15/11/1 & 521 1 OII	- ,				
Cycles	Set Point	Current	Modified Set Pt	Notes	
Static	60	60			
Anoxic	90	90			
Aerobic	180	180			
Blower	☐ Continuous	⊠ Cycle			
Jet Motive Pumps	☐ Continuous ☐ Both ☐ Pump #1 ☐ Pump # 2				
Digester Pumps	☐ Continuous	⊠ Both □ Seque	ential		

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	
Blower		30Hz	

Anaerobic		
Mixing Pump 4A	60 Hz	
Mixing Pump 4B	60 Hz	

Equipment Observed:	Operational Status					
Unison Gas Skid	Flow Rate	Total Flow	Comp. Press.	Outlet Press.	Gauge Press.	
Fault? □ Yes ☒ No	20.9					
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out	
Fault? □ Yes ☒ No	95852	1174		99	43.7 kw	
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp	
		⊠Y□N	31.2	29.1	301	

UNISON GAS CONDITIONING LOG

Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
Data	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential	Door	Hours	
Data	-0.1	97.39	91.8	2.0	D 001	7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
2444	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100 psig	168 to 185 F	78 to 100psig
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110 psig	80 to 220 F	90 to 110psig
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Piping	80 to 220 F	90 to 110 psig	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110 psig	
Gas	TI 351	PI 351	Check	LI 721	LI 231	LI 741	
Piping	65 to 90 F	88 to 15 psig	Indicators				

Name	Affiliation	Phone Number/Email

IMPORTANT: AN INSPECTION, OPERATIONS & MAINTENANCE LOG SHOULD BE COMPLETED FOR EVERY SITE VISIT; PLEASE REVIEW PREVIOUS LOG ENTRY AND PROVIDE INFORMATION TO UPDATE OR RESOLVE ANY ONGOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marvin	Date Tuesday	Remote monitor Start:	Remote Monitor End:
	10-23-2018	7:00 AM	11:30PM
		Site Visit start 10:30 AM	
			Site Visit end 1:00 PM
Condition: Temperature 42-70	x □ Partly Cloudy	☐ Balmy	
Precip Past 24 hours: 0.0 inches @5:50PM		Wind: (mph): calm 4-10m	ph

PURPOSE OF VISIT/ITEMS INSPECTED, OPERVATIONS

Monitored system remotely. 7:00 AM – 11:30 PM and whenever I wake during the night this goes on a 24–7 schedule as needed. Site Visit to do a system and ground check and found our digester pump still working. Pumped surface water during site visit. The timers are working well with the restart of the Digester pumps. I am going to leave them as they are for now. I worked on Drainage some. The Flare continues to run on gravity gas flow of 8-10 CFM. No venting since Friday 10-12-2018.

ENVIRONMENTAL SYSTEM OBSERVATIONS:

Equipment Observed:	Operational Status
Fluidyne Aeration System, Including:	
Jet Motive Pumps	
Blower	☑ Auto ☐ Hand On ☐ Off ☐ In Fault:
CP-1 (Control Panel)	☑ Auto ☐ Hand On ☐ Off ☐ In Fault
Flush Pumps	☐ Auto ☑ Hand On ☐ Off ☐ In Fault
Digester Mixing Pumps	

CP-1 DATA & SET POINTS:

CI -I DATA & SETT OIL	,				
Cycles	Set Point	Current	Modified Set Pt	Notes	
Static	60	60			
Anoxic	90	90			
Aerobic	180	180			
Blower	☐ Continuous ☒ Cycle				
Jet Motive Pumps	☐ Continuous ☒ Both ☐ Pump #1 ☐ Pump # 2				
Digester Pumps	☐ Continuous	⊠ Both □ Seque	ential		

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	
Blower		30Hz	

Anaerobic		
Mixing Pump 4A	60 Hz	
Mixing Pump 4B	60 Hz	

Equipment Observed:	Operational Status				
Unison Gas Skid	Flow Rate	Total Flow	Comp. Press.	Outlet Press.	Gauge Press.
Fault? □ Yes ☒ No	20.9				
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out
Fault? □ Yes ☒ No	95852	1174		99	43.7 kw
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp
		⊠Y□N	31.2	29.1	301

UNISON GAS CONDITIONING LOG

Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
Data	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential	Door	Hours	
Data	-0.1	97.39	91.8	2.0	D 001	7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
2444	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100 psig	168 to 185 F	78 to 100psig
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110 psig	80 to 220 F	90 to 110psig
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Piping	80 to 220 F	90 to 110 psig	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110 psig	
Gas	TI 351	PI 351	Check	LI 721	LI 231	LI 741	
Piping	65 to 90 F	88 to 15 psig	Indicators				

Name	Affiliation	Phone Number/Email

IMPORTANT: AN INSPECTION, OPERATIONS & MAINTENANCE LOG SHOULD BE COMPLETED FOR EVERY SITE VISIT; PLEASE REVIEW PREVIOUS LOG ENTRY AND PROVIDE INFORMATION TO UPDATE OR RESOLVE ANY ONGOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marvin	Date Wednesday 10-24-2018	Remote monitor Start: 7:00 AM Site Visit start 11:00 AM	Remote Monitor End: 11:30PM
		Site visit start 11:00 m.	Site Visit end 1:00 PM
Condition: Temperature 39-64	x □ Partly Cloudy	☐ Balmy	
Precip Past 24 hours: 0.0 in	ches @1:00PM	Wind: (mph): calm 4-10mp	oh

PURPOSE OF VISIT/ITEMS INSPECTED, OPERVATIONS

Monitored system remotely. 7:00 AM - 11:30 PM and whenever I wake during the night this goes on a 24–7 schedule as needed. Site Visit to do a system and ground check and found our digester pump still working. Pumped surface water during site visit. The timers are working well with the restart of the Digester pumps. I am going to leave them as they are for now. The Flare continues to run on gravity gas flow of 8-10 CFM. No venting since Friday 10-12-2018.

ENVIRONMENTAL SYSTEM OBSERVATIONS:

Equipment Observed:	Operational Status
Fluidyne Aeration System, Including:	
Jet Motive Pumps	
Blower	☑ Auto ☐ Hand On ☐ Off ☐ In Fault:
CP-1 (Control Panel)	☑ Auto ☐ Hand On ☐ Off ☐ In Fault
Flush Pumps	☐ Auto ☑ Hand On ☐ Off ☐ In Fault
Digester Mixing Pumps	

CP-1 DATA & SET POINTS:

Cycles	Set Point	Current	Modified Set Pt	Notes
Static	60	60		
Anoxic	90	90		
Aerobic	180	180		
Blower	☐ Continuous	⊠ Cycle		
Jet Motive Pumps	☐ Continuous ☒ Both ☐ Pump #1 ☐ Pump # 2			
Digester Pumps	☐ Continuous	⊠ Both □ Seque	ential	

Aerobic	Run Time	Set Speed	Notes
Jet Motive Pump # 1		60Hz	
Jet Motive Pump # 2		60Hz	
Blower		30Hz	

Anaerobic		
Mixing Pump 4A	60 Hz	
Mixing Pump 4B	60 Hz	

Equipment Observed:	Operational Status				
Unison Gas Skid	Flow Rate	Total Flow	Comp. Press.	Outlet Press.	Gauge Press.
Fault? □ Yes ☒ No	20.9				
Microturbine	Speed	Exit Temp	Inlet Pressure	Inlet Temp	Power Out
Fault? □ Yes ☒ No	95852	1174		99	43.7 kw
Biogas System	BlueSens%	Flare On	Flare Flow	Total Flow	Flare Temp
		⊠Y □N	31.2	29.1	301

UNISON GAS CONDITIONING LOG

Pressure	PIT 311	PIT 331	PIT 351	Pressure	Panel	HM 331	
Data	-5 to 10 inWC	88 to 110psig	88 to 110 psig	Differential	Door	Hours	
Data	-0.1	97.39	91.8	2.0	Door	7060	
Temperature	TE 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data	32 to 45 F	40 to 115 F	35 to 75 F	80 to 220 F	33 to 45 F	65 to 90 F	35 to 115 F
2444	35.1	83.1	46.6	186.5	35.2	88.3	
Glycol	TI 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping	32 to 45 F	35 to 52 psig	2.5 to 3.5 gpm	35 to 50 F	33 to 50 psig	38 to 52 F	30 to 48 psig
Oil	PI 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping	90 to 110 psig	178 to 215 F	85 to 105 psig	130 to 180 F	80 to 100 psig	168 to 185 F	78 to 100psig
Gas	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
Piping	-10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110 psig	80 to 220 F	90 to 110psig
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Piping	80 to 220 F	90 to 110 psig	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110 psig	
Gas Piping	TI 351 65 to 90 F	PI 351 88 to 15 psig	Check Indicators	LI 721	LI 231	LI 741	

Name	Affiliation	Phone Number/Email