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 8-27-2018	Remote monitor Start: 7:00 AM	Remote Monitor End: 11:30PM
		Site Visit start 10:30AM	Site Visit end 2:30 PM
Condition: Temperature 60-78	x □ Clear	☑ Cloudy	□ Balmy
Precip Past 48 hours: 0.4 in	nches	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. I did my on site
inspection+. I worked on camera with little success All is well, and all went well

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 図 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

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:
	8-29-2018	7:00 AM	11:30PM
		Site Visit start 11:30AM	Site Visit end 2:30 PM
Condition: Temperature 60- 95	x □ Clear	⊠ Cloudy	☐ Balmy
Precip Past 48 hours: 0.0 inches		Wind: (mph): calm 4-7mpl	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. I did my on site
inspection+. I worked on camera with little success All is well, and all went well

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 □ 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 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

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 8-30-2018 Remote monitor Start: 7:00 AM		Remote Monitor End: 11:30PM
		Site Visit start 12:10 PM	Site Visit end 1:45 PM
Condition: Temperature 60- 95	x □ Clear	☑ Cloudy	□ Balmy
Precip Past 48 hours: 0.0 inches		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 unison
system was down. I tried to hard boot but did not work I will call it in Unison is supposed to be here
on 9-10-2018

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:

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	o #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 Monday Remote monitor Start: 7:00 AM		Remote Monitor End: 11:30PM	
		Site Visit start 9:00 AM	Site Visit end 7:00 PM	
Condition: Temperature 68- 90	x □ Clear Partly Clou	udy 🗵 Cloudy	☐ Balmy	
Precip Past 48 hours: 0.0 inches		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. Flare is burning gravity gas Marty Kass of Unison came to do service.
We found out we had no power I called Salem Electric to do an emergency visit. They came and
thought the transformer was bad so I had them do a check to see where to get one

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:

SI I DAIA & SELLO INTO,					
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 65 to 90 F	PI 351 88 to 15 psig	Check	LI 721	LI 231	LI 741	
Piping	03 10 30 1	oo to 19 half	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 Tuesdsy 9-11-2018	Remote monitor Start: 7:00 AM	Remote Monitor End: 11:30PM
		Site Visit start 9:00 AM	Site Visit end 7:00 PM
Condition: Temperature 68-95	x □ Clear Partly Clo	udy 🗵 Cloudy	□ Balmy
Precip Past 24 hours: 0.0 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. Flare is burning gravity gas. Marty Kass of Unison came back to continue his service. We still were without power Keith and Bryan from ProPump were on sit an I asked them to look at our no power situation They found that the Phase converter was bad therefor showing like a bad Transformer. They took down the two phase converters to ship them off for a rebuild. The also looked into fixing something to change the flush pump from 3 Phase to single and headed to shop to build IT. Marty Kass could not finish his service but he had another job close by so he went there.

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 & SETTON				I		
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	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		T	_	I		1	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	
2 3 3 3	-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
. •					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
Pipilig					psig		
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Piping	80 to 220 F	90 to 110	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110	
		psig				psig	
1							
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 ON-GOING ISSUES NOTED (INCLUDING BUT NOT LIMITED TO MAINTENANCE, REPAIRS, OR CORRECTIVE ACTIONS).

Entry Made By: Marv		e Wednesday 2-2018	Remote monitor Sta 7:00 AM	art:	Remote Monitor End: 11:30PM
			Site Visit start 9:00	AM	Site Visit end 7:00 PM
Condition: Temperat 95	ture 68-	Clear Partly Clo	udy 🗵 Cloud	У	☐ Baln
Precip Past 24 hou	rs: 0.0 inches	5	Wind: (mph): calm 4	-7mph	higher during storms
URPOSE OF VISIT/ITI	EMS INSPECTED	, OPERVATIONS	5		
on a 24–7 schedule	as needed. Fla	e is burning gra	and whenever I wake ovity gas. ProPump retu he pump. Kevin. We g	urned w	vith the converter rig
		TIONS:	Operational Status		
Equipment Observed	d:		Operational Status		
Equipment Observed	d: stem, Including:		Operational Status ☑ Auto ☐ Hand Or	n 🗆 0	ff □ In Fault
NVIRONMENTAL SYS Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower	d: stem, Including:				
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump	d: stem, Including: s		☑ Auto ☐ Hand Or	☐ Of	f 🗆 In Fault:
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Par	d: stem, Including: s		□ Auto □ Hand Or □ Hand On	□ Of	f 🗆 In Fault:
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Pai	d: stem, Including: s nel)		□ Auto □ Hand Or □ Hand On □ Auto □ Hand Or □ Auto □ Hand Or □ Auto □ Hand Or	□ Of	f 🗆 In Fault:
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Paid Flush Pumps Digester Mixing Pum	d: stem, Including: s nel) ps		□ Auto □ Hand Or □ Hand On □ Auto □ Hand Or □ Auto □ Hand Or □ Auto □ Hand Or	□ Of	f □ In Fault: f □ In Fault f □ In Fault
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Paid Flush Pumps Digester Mixing Pum P-1 DATA & SET POII	d: stem, Including: s nel) ps		□ Auto □ Hand Or □ Hand On □ Auto □ Hand Or □ Auto □ Hand Or □ Auto □ Hand Or	□ Of	f □ In Fault: ff □ In Fault f □ In Fault ff □ In Fault
Equipment Observed Fluidyne Aeration System Jet Motive Pump Blower CP-1 (Control Paid Flush Pumps Digester Mixing Pum P-1 DATA & SET POII	d: stem, Including: s nel) ps		□ Auto □ Hand Or □ Auto □ Hand Or	□ Of n □ O· n □ Of n □ O	f □ In Fault: ff □ In Fault f □ In Fault ff □ In Fault
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Paid Flush Pumps Digester Mixing Pum P-1 DATA & SET POII Cycles	d: stem, Including: s nel) ps NTS; Set Point	Current	□ Auto □ Hand Or □ Auto □ Hand Or	□ Of n □ O· n □ Of n □ O	f □ In Fault: ff □ In Fault f □ In Fault ff □ In Fault
Equipment Observed Fluidyne Aeration System Jet Motive Pump Blower CP-1 (Control Paid Flush Pumps Digester Mixing Pum P-1 DATA & SET POID Cycles Static	d: stem, Including: s nel) ps NTS; Set Point 60	Current 60	□ Auto □ Hand Or □ Auto □ Hand Or	□ Of n □ O· n □ Of n □ O	f □ In Fault: ff □ In Fault f □ In Fault ff □ In Fault
Equipment Observed Fluidyne Aeration System Motive Pump Blower CP-1 (Control Part Flush Pumps Digester Mixing Pum P-1 DATA & SET POII Cycles Static Anoxic Aerobic	d: stem, Including: s nel) ps NTS; Set Point 60 90	Current 60 90 180	□ Auto □ Hand Or □ Auto □ Hand Or	□ Of n □ O· n □ Of n □ O	f □ In Fault: ff □ In Fault f □ In Fault ff □ In Fault
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Par Flush Pumps Digester Mixing Pum P-1 DATA & SET POII Cycles Static Anoxic	stem, Including: s nel) ps NTS; Set Point 60 90 180	Current 60 90 180 5 ⊠ Cycle	□ Auto □ Hand Or □ Auto □ Hand Or	□ Of n □ O· n □ Of n □ O	f □ In Fault: ff □ In Fault f □ In Fault ff □ 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 Pr						
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		T	_	I		1	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	
2 3 3 3	-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
. •					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
Pipilig					psig		
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Piping	80 to 220 F	90 to 110	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110	
		psig				psig	
1							
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		Thursday -2018	Remote monitor St 7:00 AM		Remote Monitor End: 11:30PM		
			Site Visit start 9:00	AM	Site Visit end 4:00 PM		
Condition: Temperat 95	ture 68-	Clear Partly Clo	udy 🗵 Cloud	dy	☐ Balm		
Precip Past 24 hou	rs: 0.0 inches		Wind: (mph): calm	4-7mph	higher during storms		
URPOSE OF VISIT/ITE	EMS INSPECTED	, OPERVATIONS	i				
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: Flare is burning gravity gas. Kevin and I worked on trying to unclog the digester pump but it is still clogged.							
		TIONS:	Operational Status				
Equipment Observed Fluidyne Aeration Sys	d: stem, Including:	TIONS:	Operational Status				
Equipment Observed	d: stem, Including:	TIONS:	Operational Status ☑ Auto ☐ Hand O	n □ Of	f 🗆 In Fault		
Equipment Observed Fluidyne Aeration Sys	d: stem, Including:	TIONS:					
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump	d: stem, Including: s	TIONS:	⊠ Auto □ Hand O	n 🗆 Off	□ In Fault:		
Fluidyne Aeration Sys Jet Motive Pump Blower	d: stem, Including: s	TIONS:	☑ Auto ☐ Hand O	n □ Off	□ In Fault:		
Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Par	d: stem, Including: s nel)	TIONS:	✓ Auto ☐ Hand O✓ Auto ☐ Hand Or✓ Auto ☐ Hand O	n □ Off n □ Of	☐ In Fault: In Fault In Fault		
Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Par Flush Pumps Digester Mixing Pum	d: stem, Including: s nel)	TIONS:	□ Auto □ Hand O □ Hand Or □ Auto □ Hand Or □ Auto □ Hand Or	n □ Off n □ Of	☐ In Fault: In Fault In Fault		
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Par Flush Pumps Digester Mixing Pum	d: stem, Including: s nel) ps		□ Auto □ Hand Or □ Auto □ Hand Or	n □ Off n □ Off n □ Off	☐ In Fault: In Fault In Fault In Fault In Fault		
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Par Flush Pumps Digester Mixing Pum CP-1 DATA & SET POIR Cycles	d: stem, Including: s nel) ps NTS; Set Point	Current	□ Auto □ Hand O □ Hand Or □ Auto □ Hand Or □ Auto □ Hand Or	n □ Off n □ Of	☐ In Fault: In Fault In Fault In Fault In Fault		
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Par Flush Pumps Digester Mixing Pum CP-1 DATA & SET POIR Cycles Static	d: stem, Including: s nel) ps	Current 60	□ Auto □ Hand Or □ Auto □ Hand Or	n □ Off n □ Off n □ Off	☐ In Fault: In Fault In Fault In Fault In Fault		
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Par Flush Pumps Digester Mixing Pum CP-1 DATA & SET POIR Cycles Static Anoxic	stem, Including: s nel) ps NTS; Set Point 60	Current	□ Auto □ Hand Or □ Auto □ Hand Or	n □ Off n □ Off n □ Off	☐ In Fault: In Fault In Fault In Fault In Fault		
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Par Flush Pumps Digester Mixing Pum CP-1 DATA & SET POIR Cycles Static	stem, Including: s nel) ps NTS; Set Point 60 90 180	Current 60 90 180	□ Auto □ Hand Or □ Auto □ Hand Or	n □ Off n □ Off n □ Off	☐ In Fault: In Fault In Fault In Fault In Fault		
Fluidyne Aeration System Jet Motive Pump Blower CP-1 (Control Par Flush Pumps Digester Mixing Pum CP-1 DATA & SET POIR Cycles Static Anoxic Aerobic	stem, Including: s nel) ps NTS; Set Point 60 90 180 □ Continuous	Current 60 90 180 ⊠ Cycle	□ Auto □ Hand Or □ Auto □ Hand Or	n □ Off n □ Off n □ Off	☐ In Fault: In Fault In Fault In Fault 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

Data -5	FIT 311 5 to 10 inWC	PIT 331 88 to 110psig	PIT 351	Pressure	Panel	HM 331	
Data		88 to 110ncia			i allei	11101 331	
		oo to Trohaig	88 to 110 psig	Differential	Door	Hours	
	0.1	97.39	91.8	2.0	200.	7060	
Temperature TI	E 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data 32	2 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
3	35.1	83.1	46.6	186.5	35.2	88.3	
G.yco.	T 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping 32	2 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
011	1 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping 90	0 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
					psig		
Gas Pi	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
343	10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110	80 to 220 F	90 to 110psig
Piping	10 (010)))	40 (0 115)	33 (0 73)	0 10 0 11100 0	psig	80 10 220 1	30 to 110p3ig
					. 0		
Gas	T 341	PI 341	TI 342	PI 342	TE 343	PI 343	
	0 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	T 351	PI 351	Check	LI 721	LI 231	LI 741	
Piping 65	5 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		Friday -2018	Remote monitor Sta 7:00 AM	I	note Monitor End: 30PM		
			Site Visit start none	Site	Visit end none		
Condition: Temperat	ture 68-	Clear Partly Clou	ıdy 🗵 Cloud	у	☐ Balm		
Precip Past 24 hou	rs: 0.0 inches		Wind: (mph): calm 4-7mph higher during storms				
URPOSE OF VISIT/ITE		OPERVATIONS					
				11			
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. Flare is burning gravity gas. Monitored Site in prep for up coming storm Florence.							
		IONS:	Operational Status				
ENVIRONMENTAL SYS Equipment Observed Fluidyne Aeration Sys	d:	IONS:	Operational Status				
Equipment Observed	d: stem, Including:	IONS:	Operational Status ⊠ Auto □ Hand On	n □ Off □] In Fault		
Equipment Observed Fluidyne Aeration Sys	d: stem, Including:	IONS:	•				
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump	d: stem, Including: s	IONS:	⊠ Auto ☐ Hand Or	□ Off □	In Fault:		
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Par	d: stem, Including: s	IONS:	□ Auto □ Hand On □ Hand On	Off O	In Fault:		
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Par	d: stem, Including: s	IONS:	□ Auto □ Hand On	Off O	In Fault:] In Fault In Fault		
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Par Flush Pumps Digester Mixing Pum	d: stem, Including: s nel)	IONS:	□ Auto □ Hand On	Off O	In Fault:] In Fault In Fault		
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Par Flush Pumps Digester Mixing Pum	d: stem, Including: s nel)	IONS:	□ Auto □ Hand On	Off O	In Fault:] In Fault In Fault		
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Par Flush Pumps Digester Mixing Pum	d: stem, Including: s nel) ps		□ Auto □ Hand On □ Auto □ Hand On	Off Off Off Off Off Off Off	In Fault:] In Fault In Fault		
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Par Flush Pumps Digester Mixing Pum P-1 DATA & SET POIF Cycles	stem, Including: s nel) ps NTS; Set Point	Current	□ Auto □ Hand On □ Auto □ Hand On	Off Off Off Off Off Off Off	In Fault:] In Fault In Fault		
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Par Flush Pumps Digester Mixing Pum P-1 DATA & SET POIF Cycles Static	stem, Including: s nel) ps NTS; Set Point 60	Current 60	□ Auto □ Hand On □ Auto □ Hand On	Off Off Off Off Off Off Off	In Fault:] In Fault In Fault		
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Par Flush Pumps Digester Mixing Pum P-1 DATA & SET POIF Cycles Static Anoxic Aerobic	stem, Including: s nel) ps NTS; Set Point 60 90	Current 60 90 180	□ Auto □ Hand On □ Auto □ Hand On	Off Off Off Off Off Off Off	In Fault:] In Fault In Fault		
Equipment Observed Fluidyne Aeration Sys Jet Motive Pump Blower CP-1 (Control Par Flush Pumps Digester Mixing Pum CP-1 DATA & SET POIL Cycles Static Anoxic	stem, Including: s nel) ps NTS; Set Point 60 90 180 □ Continuous	Current 60 90 180 ⊠ Cycle	□ Auto □ Hand On □ Auto □ Hand On	Off Off Off Off Off Off Off	In Fault:] In Fault 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 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

UNISON GAS CC		T	_	I		1	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	
2 3 3 3	-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
. •					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
Pipilig					psig		
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Piping	80 to 220 F	90 to 110	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110	
		psig				psig	
1							
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			Remote monitor Sta		Remote Monitor End:		
	9-15-	2018	7:00 AM		11:30PM		
		:	Site Visit start none	,	Site Visit end none		
Condition: Temperat	ure 68- x □ C	lear Partly Cloud	oudy ⊠ Cloudy □ Balmy				
Precip Past 48 hou	rs: 4.0 inches	V	Wind: (mph): calm 4-7mph higher during storms				
PURPOSE OF VISIT/ITE	MS 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. Flare is burning gravity gas ENVIRONMENTAL SYSTEM OBSERVATIONS:							
Equipment Observed			Operational Status				
Fluidyne Aeration Sys			por autona.				
Jet Motive Pump			☐ Auto ☐ Hand On ☐ Off ☐ In Fault				
Blower		۵	☑ Auto ☐ Hand On ☐ Off ☐ In Fault:				
CP-1 (Control Par	nel)						
Flush Pumps			☐ Auto ☐ Hand On ☐ Off ☐ In Fault				
Digester Mixing Pump	os		🛮 Auto 🗆 Hand On 🗆 Off 🗀 In Fault				
CP-1 DATA & SET POIN	NTS;						
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 □ Sequ	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					
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 65 to 90 F	PI 351 88 to 15 psig	Check	LI 721	LI 231	LI 741	
Piping	03 10 30 1	oo to 19 half	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		,	Remote monitor Sta 7:00 AM	art:	Remote Monitor End: 11:30PM		
			Site Visit start 1:00	PM	Site Visit end 2:00PM		
Condition: Temperat	ture 68-	Clear Partly Cloud			☐ Balmy		
Precip Past 48 hou	rs: 4.0 inches	V	Wind: (mph): calm 4-7mph higher during storms				
PURPOSE OF VISIT/ITE	EMS 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. Flare is burning gravity gas Site visit to check system and water levels							
ENVIRONMENTAL SYS Equipment Observed			Operational Status				
Fluidyne Aeration Sys			operational status				
Jet Motive Pump			⊠ Auto □ Hand Or	n 🗆 O	ff 🗆 In Fault		
Blower		[2	☑ Auto ☐ Hand On	□ Of	f 🗆 In Fault:		
CP-1 (Control Par	nel)		⊠ Auto □ Hand Or	n 🗆 0	ff □ In Fault		
Flush Pumps			☐ Auto Hand On	□ Of	f 🗆 In Fault		
Digester Mixing Pum	ps		$oxtimes$ Auto $\ \square$ Hand Or	n 🗆 0	ff 🗌 In Fault		
CP-1 DATA & SET POINTS;							
Cycles	Set Point	Current	Modified Set Pt	Notes	5		
Static	60	60					
Anoxic	90	90					
Aerobic	180	180					
Blower	☐ Continuous	⊠ Cycle					
Jet Motive Pumps			np #1				
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: Marv	in Date 1	,	Remote monitor Sta 7:00 AM	art:	Remote Monitor End: 11:30PM			
			Site Visit none		Site Visit end			
Condition: Temperat 88	ure 68- x □ C	re 68- x □ Clear Partly Cloudy □ Balmy						
Precip Past 48 hou	Precip Past 48 hours: 4.0 inches				higher during storms			
PURPOSE OF VISIT/ITE	MS INSPECTED,	OPERVATIONS						
Monitored system r on a 24–7 schedule	as needed. Flare	is burning gravit		during t	the night this goes			
ENVIRONMENTAL SYS Equipment Observed			perational Status					
Fluidyne Aeration Sys		_						
Jet Motive Pumps			☑ Auto ☐ Hand On ☐ Off ☐ In Fault					
Blower		Σ	☐ Auto ☐ Hand On	□ Of	f 🗌 In Fault:			
CP-1 (Control Par	nel)	Σ						
Flush Pumps			☐ Auto ☐ Auto ☐ Off ☐ In Fault					
Digester Mixing Pump	os	Σ	☑ Auto ☐ Hand Or	n 🗆 0	ff 🗌 In Fault			
CP-1 DATA & SET POIN	ITS;	·						
Cycles	Set Point	Current	Modified Set Pt	Notes	i			
Static	60	60						
Anoxic	90	90						
Aerobic	180	180						
Aerobic								
Blower	☐ Continuous	⊠ Cycle						
		•	p #1 □ Pump # 2					

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 65 to 90 F	PI 351 88 to 15 psig	Check	LI 721	LI 231	LI 741	
Piping	03 10 30 1	oo to 19 half	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 9-18-2018	Remote monitor Start: 7:00 AM	Remote Monitor End: 11:30PM
		Site Visit start 4:00 PM	Site Visit end 6:45 PM
Condition: Temperature 68-88	x □ Clear Partly Clou	ıdy 🗵 Cloudy	□ Balmy
Precip Past 48 hours: 4.0 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 stilled clogged I tried to back flush but was not able to get valves open. The balloon is growing
so I vented for one hour. The auto bilge pump failed so I pumped surface water with two pumps for
2 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:

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 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	
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 65 to 90 F	PI 351 88 to 15 psig	Check	LI 721	LI 231	LI 741	
Piping	03 10 30 1	oo to 19 half	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	7in Date 9-22-		Remote monitor Sta	art:	Remote Monitor End: 11:30PM		
	9-22-	2018	7:00 AM		11:30PM		
			Site Visit start5:30	PM	Site Visit end 6:00 PM		
Condition: Temperat	ture 64- x□ C	lear Partly Cloudy	udy 🗆 Balmy				
Precip Past 24 hou	rs: 0.0 inches	W	Wind: (mph): calm 4-7mph higher during storms				
		'					
PURPOSE OF VISIT/ITE	EMS INSPECTED,	OPERVATIONS					
Monitored system r	omotoly 7:00 Al	M 11.20 DM and	l whonover I wake	during	the night this goes		
·	•			_	• •		
on a 24–7 schedule	as needed. Site	VISIL LO CHECK gas	ieveis. Tam suii na	iring bu	at no venting only		
once.							
ENVIRONMENTAL SYS							
Equipment Observed		0	perational Status				
Fluidyne Aeration Sys							
Jet Motive Pump	S						
Blower		×	☑ Auto ☐ Hand On ☐ Off ☐ In Fault:				
CP-1 (Control Par	nel)						
	- 1		□ Auto □ Hand On □ Off □ In Fault				
Flush Pumps		□	☐ Auto ☐ Hand On ☐ Off ☐ In Fault				
Digester Mixing Pum	ps		Auto 🗆 Hand Or	n 🗆 C	Off 🗌 In Fault		
CP-1 DATA & SET POIN			84 J.C. 10 15:	. .			
Cycles	Set Point	Current	Modified Set Pt	Note	S		
Static	60	60					
Anoxic Aerobic	90 180	90 180					
Blower		1					
	☐ Continuous	⊠ Cycle					
Jet Motive Pumps	☐ Continuous	⊠ Both □ Pum	p #1 □ Pump # 2				

MOTOR DATA:

Digester Pumps

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

☐ Continuous ☐ Both ☐ Sequential

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 65 to 90 F	PI 351 88 to 15 psig	Check	LI 721	LI 231	LI 741	
Piping	03 10 30 1	oo to 19 half	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).

		9	Remote monitor Sta 7:00 AM	Remote Monitor End: 11:30PM
			No Site Visit start	No Site Visit end
Condition: Temperat 85	ture 64- x□ C	lear Partly Cloudy		□ Balmy
Precip Past 24 hour	rs: 0.0 inches	V	Vind: (mph): calm 4	-7mph higher during storms
PURPOSE OF VISIT/ITE	EMS INSPECTED,	OPERVATIONS		
Monitored system roon a 24–7 schedule	as needed. No S	ite Visit. I am stil		during the night this goes ing only once.
Equipment Observed			Operational Status	
Fluidyne Aeration Sys	stem, Including:		perational status	
Fluidyne Aeration Sys Jet Motive Pumps				n □ Off □ In Fault
			☑ Auto ☐ Hand Or	n □ Off □ In Fault □ Off □ In Fault:
Jet Motive Pumps	S	[2	☑ Auto ☐ Hand Or ☑ Auto ☐ Hand On	
Jet Motive Pumps Blower	S	[2	☑ Auto ☐ Hand Or ☑ Auto ☐ Hand On ☑ Auto ☐ Hand Or	☐ Off ☐ In Fault:
Jet Motive Pumps Blower CP-1 (Control Pan	nel)		☑ Auto ☐ Hand Or ☑ Auto ☐ Hand On ☑ Auto ☐ Hand Or ☐ Auto ☑ Hand On	☐ Off ☐ In Fault:
Jet Motive Pumps Blower CP-1 (Control Pan Flush Pumps	nel)		☑ Auto ☐ Hand Or ☑ Auto ☐ Hand On ☑ Auto ☐ Hand Or ☐ Auto ☑ Hand On	☐ Off ☐ In Fault: ☐ Off ☐ In Fault ☐ Off ☐ In Fault
Jet Motive Pumps Blower CP-1 (Control Pan Flush Pumps Digester Mixing Pump	nel)		☑ Auto ☐ Hand Or ☑ Auto ☐ Hand On ☑ Auto ☐ Hand Or ☐ Auto ☑ Hand On	☐ Off ☐ In Fault: ☐ Off ☐ In Fault ☐ Off ☐ In Fault
Jet Motive Pumps Blower CP-1 (Control Pan Flush Pumps Digester Mixing Pump CP-1 DATA & SET POIN	nel) os NTS;		Auto □ Hand Or Auto □ Hand On Auto □ Hand Or Auto □ Hand Or Auto □ Hand Or Auto □ Hand Or Auto □ Hand Or	Off In Fault Off In Fault Off In Fault Off In Fault
Jet Motive Pumps Blower CP-1 (Control Pan Flush Pumps Digester Mixing Pump CP-1 DATA & SET POIN Cycles	os NTS; Set Point	Current	Auto □ Hand Or Auto □ Hand On Auto □ Hand Or Auto □ Hand Or Auto □ Hand Or Auto □ Hand Or Auto □ Hand Or	Off In Fault Off In Fault Off In Fault Off In Fault
Jet Motive Pumps Blower CP-1 (Control Pan Flush Pumps Digester Mixing Pump CP-1 DATA & SET POIN Cycles Static	nel) NTS; Set Point 60	Current 60	Auto □ Hand Or Auto □ Hand On Auto □ Hand Or Auto □ Hand Or Auto □ Hand Or Auto □ Hand Or Auto □ Hand Or	Off In Fault Off In Fault Off In Fault Off In Fault
Jet Motive Pumps Blower CP-1 (Control Pan Flush Pumps Digester Mixing Pump CP-1 DATA & SET POIN Cycles Static Anoxic	nel) NTS; Set Point 60 90 180	Current 60 90 180	Auto □ Hand Or Auto □ Hand On Auto □ Hand Or Auto □ Hand Or Auto □ Hand Or Auto □ Hand Or Auto □ Hand Or	Off In Fault Off In Fault Off In Fault Off In Fault
Jet Motive Pumps Blower CP-1 (Control Pan Flush Pumps Digester Mixing Pump CP-1 DATA & SET POIN Cycles Static Anoxic Aerobic	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 Auto □ Hand Or	Off In Fault Off In Fault 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	
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 65 to 90 F	PI 351 88 to 15 psig	Check	LI 721	LI 231	LI 741	
Piping	03 10 30 1	oo to 19 half	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	vin Date 9-24-		Remote monitor Sta 7:00 AM	rt: Remo 11:30	te Monitor End: PM
		1	No Site Visit start	No Sit	e Visit end
Condition: Temperat 85	ture 64- x□ CI	ear Partly Cloudy		□ Balmy	
Precip Past 24 hou	rs: 0.0 inches	W	/ind: (mph): calm 4	-7mph highe	r during storms
PURPOSE OF VISIT/ITE	EMS 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. No Site Visit. I am still flaring but no venting only once.					
EQUIPMENTAL SYS			perational Status		
Fluidyne Aeration Sys		- 0	perational Status		
Jet Motive Pump			☐ Auto ☐ Hand On ☐ Off ☐ In Fault		
Blower		×	☑ Auto ☐ Hand On ☐ Off ☐ In Fault:		
CP-1 (Control Par	nel)	×	☐ Auto ☐ Hand Or	n 🗆 Off 🗆 II	n Fault
Flush Pumps			Auto 🛮 Hand On	□ Off □ In	Fault
Digester Mixing Pum	ps		Auto 🗆 Hand Or	n 🗆 Off 🗆 I	n 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 □ Pum	p #1		
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 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 65 to 90 F	PI 351 88 to 15 psig	Check	LI 721	LI 231	LI 741	
Piping	03 10 30 1	oo to 19 half	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 9-25-2018	Remote monitor Start: 7:00 AM	Remote Monitor End: 11:30PM	
		Site Visit start12:30 PM	Site Visit end 5:30 PM	
Condition: Temperature 64-85	x□ Clear Partly Clou	dy □ Balr	my	
Precip Past 24 hours: 0.0 inches		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. Site Visit to do a system and ground check and found our digester pump stilled clogged I tried to back flush to see if I could break it free. but was not able to get break it free. I am still flaring but no venting only once. The auto bilge pump failed so I pumped surface water with two pumps for the entire visit.

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 65 to 90 F	PI 351 88 to 15 psig	Check	LI 721	LI 231	LI 741	
Piping	03 10 30 1	oo to 19 half	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 9-26-2018	Remote monitor Start: 7:00 AM	Remote Monitor End: 11:30PM
		Site Visit start12:30 PM	Site Visit end 5:45 PM
Condition: Temperature 64-76	x □ Clear Partly Clou	Idy 🗵 Cloudy and	raining off and on
	☐ Balmy		
Precip Past 24 hours: 0.0 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 stilled clogged I tried to back flush to see if I could break it free. but was not able to get break it free. I am still flaring but no venting only once. The auto bilge pump failed so I pumped surface water with two pumps for the entire 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)				
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	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

UNISON GAS CC		T	_	I		1	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	
2 3 3 3	-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
. •					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
Pipilig					psig		
Gas	TI 341	PI 341	TI 342	PI 342	TE 343	PI 343	
Piping	80 to 220 F	90 to 110	115 to 155 F	90 to 110 psig	33 to 45 F	90 to 110	
		psig				psig	
1							
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 Thursday 9-27-2018	Remote monitor Start: 7:00 AM	Remote Monitor End: 11:30PM
		Site Visit start10:30 AM	Site Visit end 3:30 PM
Condition: Temperature 64-76	x □ Clear Partly Clou	Idy 🗵 Cloudy and	raining off and on
	☐ Balmy		
Precip Past 24 hours: 0.20	inches	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 stilled clogged I tried to back flush to see if I could break it free. I finally got the Digester pump to work and I plan to let it run all night to get it cleaned out. I am still flaring but no venting only once. The auto bilge pump failed so I pumped surface water with two pumps for the entire visit.

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	$oxtimes$ Auto \oxtime Hand On \oxtime Off \oxtime 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

Data -5	FIT 311 5 to 10 inWC	PIT 331 88 to 110psig	PIT 351	Pressure	Panel	HM 331	
Data		88 to 110ncia			i allei	11101 331	
		oo to Trohaig	88 to 110 psig	Differential	Door	Hours	
	0.1	97.39	91.8	2.0	200.	7060	
Temperature TI	E 141	TE 311	TE 321	TE 331	TE 341	TE 342	TE 31
Data 32	2 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
3	35.1	83.1	46.6	186.5	35.2	88.3	
G.yco.	T 141	PI 141	FI 141	TI 142	PI 142	TI 111	PI 111
Piping 32	2 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
011	1 231	TI 231	PI 232	TI 232	PI 233	TI 233	PI 234
Piping 90	0 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
					psig		
Gas Pi	PIT 311	TI 311	TI 321	PDI 321	PI 331	TI 331	PI 332
343	10 to10inWC	40 to 115 F	35 to 75 F	0 to 6 inWC	90 to 110	80 to 220 F	90 to 110psig
Piping	10 (010)))	40 (0 115)	33 (0 73)	0 10 0 11100 0	psig	80 10 220 1	30 to 110p3ig
					. 0		
Gas	T 341	PI 341	TI 342	PI 342	TE 343	PI 343	
	0 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	T 351	PI 351	Check	LI 721	LI 231	LI 741	
Piping 65	5 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 Friday 9-28-2018	Remote monitor Start: 7:00 AM	Remote Monitor End: 11:30PM	
		Site Visit start11:30 AM	Site Visit end 3:30 PM	
Condition: Temperature 64-76	x □ Clear Partly Clou	udy □ Baln	ny	
Precip Past 24 hours: 1.30 inches		Wind: (mph): calm 4-7mph higher during storms		
·		<u> </u>		

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 put it on the auto cycle. Pumped surface water during site visit. Vented at 2 ports for 2 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)	☑ Auto ☐ Hand On ☐ Off ☐ In Fault
Flush Pumps	☐ Auto ☐ Hand On ☐ Off ☐ In Fault
Digester Mixing Pumps	

CP-1 DATA & SET POINTS:

SI IDAIA GELLONIUS,					
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 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 65 to 90 F	PI 351 88 to 15 psig	Check	LI 721	LI 231	LI 741	
Piping	03 10 30 1	oo to 19 half	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 10-01-2018	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 Clou	ıdy 🗆 Balr	ny	
Precip Past 24 hours: 0.00	inches	Wind: (mph): calm 4-7mph 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)	
Flush Pumps	☐ Auto ☐ Hand On ☐ Off ☐ In Fault
Digester Mixing Pumps	

CP-1 DATA & SET POINTS;

SI IDAIA GELLONIUS,					
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 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 65 to 90 F	PI 351 88 to 15 psig	Check	LI 721	LI 231	LI 741	
Piping	03 10 30 1	oo to 19 half	Indicators				

Name	Affiliation	Phone Number/Email		