GREEN CREATE
Waste-to-Value Solutions

[redacted]

Daily Checklist

Version 2

KEY:	
	No check done
x	Check complete
	Issue

Equipment list	Maintenance required	01/Jan/22	02/Jan/22	03/Jan/22	04/Jan/22	05/Jan/22	06/Jan/22	07/Jan/22	08/Jan/22	09/Jan/22	10/Jan/22
Live Scada interface	**Feeding system (Hunning,T110-T140)**										
	1) Feedstock Levels in Silos	x	x	x	x	x	x	x	x	x	x
	2) Feedstock Weights in Feedbox	x	x	x	x	x	x	x	x	x	x
	3) Feeding Quantities per menu	x	x	x	x	x	x	x	x	x	x
	4) Screw Conveyors	x	x	x	x	x	x	x	x	x	x
	5) Pump	x	x	x	x	x	x	x	x	x	x
		x	x	x	x	x	x	x	x	x	x
	Main digester (R210)										
	1) Mixers	x	x	x		x	x	x	x	x	x
	2) Membrane Pressure and Buffer Percentages	x	x	x	x	x	x	x	x	x	x
	3) Foam Level	x	x	x	x	x	x	x	x	x	x
	4) Tank Level	x	x	x	x	x	x	x	x	x	x
	5) Blower	x	x	x	x	x	x	x	x	x	x
	After digester (R220)										
	1) Mixers	x	x	x	x	x	x	x	x	x	x
	2) Membrane Pressure	x	x	x	x	x	x	x	x	x	x
	3) Tank Level	x	x	x	x		x	x	x	x	x
	4) Blower	x	x	x	x	x	x	x	x	x	x
	Thin fraction Storage (R300)										
	1) Status of Mixers	x	x	x	x	x	x	x	x	x	x
	2) Tank Level	x	x	x	x	x	x	x	x	x	x
	Gas upgrader -PENTAIR Unit (G610) Status Check:(Production, Standby, Stop, Alarm and Production SL)	x	x	x	x	x	x	x	x	x	x
	Bio2Net (Detailed sub checks)										
	1) Status of Grid Valve	x	x	x	x	x	x	x	x	x	x
	2) Faults	x	x	x	x	x	x	x	x	x	x
	3) Stop Supply	x	x	x	x	x	x	x	x	x	x
	4) Warnings	x	x	x	x	x	x	x	x	x	x
	5) H2S Level	x	x	x	x	x	x	x	x	x	x
	6) Wobbe Index	x	x	x	x	x	x	x	x	x	x
	7) Flow	x	x	x	x	x	x	x	x	x	x
	8) Flow Count	x	x	x	x	x	x	x	x	x	x
Pent Air Unit – Gas upgrader - Detailed checks	1) Alarms-Critical Alarms and Warnings	x	x	x	x	x	x	x	x	x	x
	2) Bio Gas Compressor	x	x	x	x	x	x	x	x	x	x
	3) CO2 Compressor	x	x	x	x	x	x	x	x	x	x
	4) O2 Levels	x	x	x	x	x	x	x	x	x	x
	5) Heating Pipes	x	x	x	x	x	x	x	x	x	x
	6) NH3 Scrubber	x	x	x	x	x	x	x	x	x	x
	7) Booster	x	x	x	x	x	x	x	x	x	x
	8) Bio Gas/ N2 Dosing	x	x	x	x	x	x	x	x	x	x
	9) H2S Filter	x	x	x	x	x	x	x	x	x	x
	10) Bio2Net	x	x	x	x	x	x	x	x	x	x
	11) Dehumidifier	x	x	x	x	x	x	x	x	x	x
	12) Membrane	x	x	x	x	x	x	x	x	x	x
	13) Fluid Cooler	x	x	x	x	x	x	x	x	x	x
	14) Glycol Cooler	x	x	x	x	x	x	x	x	x	x
Bio2Net – Detailed checks	Gas composition	x	x	x	x	x	x	x	x	x	x
	Grid connection parameters	x	x	x	x	x	x	x	x	x	x
	Bio2net equipment status	x	x	x	x	x	x	x	x	x	x
Physical Inspections -Site walkabout											
	Condensation pits										
	1) Condensate Drainage	x	x	x	x	x	x	x	x	x	x
	External Carbon Filter										
	1) Drain Condensate Filter	x	x	x	x	x	x	x	x	x	x
	Boiler										
	1) Meets Operational Requirements	x	x	x	x	x	x	x	x	x	x
	Tanks on site										
	1) Visual Conditions of membrane and Fittings	x	x	x	x	x	x	x	x	x	x
	2) Ground Water Levels	x	x	x	x	x	x	x	x	x	x
	Pressure valves on Main and after digester (Water locks)										
	1) Water Level Sufficient	x	x	x	x	x	x	x	x	x	x
	2) Blow off	x	x	x	x	x	x	x	x	x	x
	Liquid delivery point and Silos										
	1) Visual Inspection	x	x	x	x	x	x	x	x	x	x
	Bio-beds, fans and blowers										
	1) Running and Air is Flowing	x	x	x	x	x	x	x	x	x	x
	Decanter and solid fraction storage										
	1) Processing Quantity	x	x	x	x	x	x	x	x	x	x
	2) Storage Capacity Left	x	x			x	x	x	x	x	x
	Acid washer										
	1) Ph Level	1,99	1,98	2	1,99	1,97	1,99	2	2,01	1,98	1,97
	2) Water Level	x	x	x	x	x	x	x	x	x	x
	General site for any leakages	x	x	x	x	x	x	x	x	x	x
	Manure pump and valves when being used	x	x	x	x	x	x	x	x	x	x
	Bio2Net dosing of THT	x	x	x	x	x	x	x	x	x	x
Flare – G620	Visual inspection of unit and joining pipes	x	x	x	x	x	x	x	x	x	x
Feedstock Deliveries	visually inspoected and noted	x	x	x	x	x	x	x	x	x	x