WASTE 4 GENERATION
THE SOLUTION FOR FUTURE GENERATIONS

Example KPI for Site Operation

Final Effluent & Polishing Tank

	Final Effluent Break Tank								Polishing Tank							
Date	COD gL^{-1}	pH	Sulphate (mg^{-1})	Sulphide (mg^{-1})	Ammonium (mg^{-1})	Zinc (mg^{-1})	Copper (mg^{-1})	Chloride (mg^{-1})	COD gL^{-1}	pH	Sulphate (mg^{-1})	Sulphide (mg^{-1})	Ammonium (mg^{-1})	Zinc (mg^{-1})	Copper (mg^{-1})	Chloride (mg^{-1})
01/01/2023																
02/01/2023																
03/01/2023																
04/01/2023																
05/01/2023																
06/01/2023																
07/01/2023																

Gas Quality & Quantity Measurement

	Gas Reading					Gas Production	Gas Production	Gas Production	Gas Production
Date	CH_4 %	CO2 %	O2 %	BAL %	H2S PPM	Flow meter total volumn Nm^3	Daily Gas Production Nm^3	SCADA total volumn Nm^3	SCADA Daily Gas Production Nm^3
01/01/2023							0.0		0.0
02/01/2023							0.0		0.0
03/01/2023							0.0		0.0
04/01/2023							0.0		0.0
05/01/2023							0.0		0.0
06/01/2023							0.0		0.0
07/01/2023							0.0		0.0

Reactor Feed & Digester Monitoring

	Main Balance Tank					ABT					Main Break TanK								R2								
Date	Level m^3	COD gL^{-1}	Feed	Ractor Loading	Sludge recovery No. IBC	Level m^3	COD gL^{-1}	Feed	Ractor Loading	Sludge recovery No. IBC	COD gL^{-1}	pH	Sulphate	Sulphide	Ammonium	Zinc	Copper	Chloride	Temperature °C	Feed rate $kgCODd^{-1}$	Pressure mBar	COD gL^{-1}	pH	Sulphate	Sulphide	Ammonium	Chloride
01/01/2023																											
02/01/2023																											
03/01/2023																											
04/01/2023																											
05/01/2023																											
06/01/2023																											
07/01/2023																											

Daily Digester Summary

Daily update:							
Gas & Loading		Chemical Analysis					
			Main Break Tank	Reactor 2	Reactor 3	Reactor 4	Reactor 5
Daily Gas Production		Temperature					
CH_4		COD (gL^{-1})					
CO_2		pH					
O_2		Sulphate					
Balance		Sulphide					
H_2S (ppm)		Ammonium					
Main Balance Tank COD (gL^{-1})		Zinc					
Loading Rate ($kgCODd^{-1}$)		Copper					
Recircualtion Rate ($m3d^{-1}$)		Chloride					
R3 Recircualtion Rate ($m3d^{-1}$)							