

Checklist biogas plant



Please send to:

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Project information				
Company / biogas plant:		Phone:		
Contact person:		Mobile:		
Adress:		Fax:		
Post code, City:		E-Mail:		
Country:				
Information about the biogas plant				
Commissioning date:		Manufacturer:		
tank	preliminary tank	fermenter	second. fermenter	digestate storage
Quantity				
Liquid content, m ³				
Isolation				
Cover				
CHP	1	2	3	4
Power, kW				
El. efficiency, %				
Ignition oil consumption, l/d				
Heat use, %				
Feeding - average values				
Solid substrates	1	2	3	4
Name				
DM, %				
Amount, t/d				
Into which tank?				
How?				
Pretreatment				
Liquid substrates	1	2	3	4
Name				
DM, %				
Amount, m ³ /d				
Into which tank?				
How?				
Pretreatment				

Checklist biogas plant

Digestate				
DM, %				
Amount, m ³ /d				
Separation?				
From where to where?				
Additives (desulphurisation, micronutrients, enzymes and others)				
Name	Purpose			Amount per day
Process variables (so far as this is known)				
Value	Dimension	Preliminary tank	Fermenter	2nd Fermenter
Temperature	°C			
pH-Value	-			
FOS/TAC	-			
DM-Value	%			
oDM-Value	% v. TS			
Total N	mg/l			
Ammonium - N	mg/l			
Acetic acid	mg/l			
Propionic acid	mg/l			
Total acids	mg/l			
Results				
Value	Dimension	Target	Actual	
Electrical power	kW			
Electricity generation	kWh/a			
Operating hours CHP	h			
Methane content in biogas	%			
Externally used heat	kWh/a			
Electricity demand	kWh/a			
Heat demand	kWh/a			

Special characteristics of the plant:

Objective, what would be achieved:

- Increase power: Target:
- Saving substrates
- Changing substrates; Target:
- Flexible plant operation
- Others (please specify):

Appendixes:

Location plan

Flow chart (sketch)

Operating log

Monthly values
Substrate feed
Gas production
Methane content
Electricity generation
Operating hours CHP
Heat use