

Basic Information for Process Design

1. Description of the project
1 a) Goal (i.e.: waste removal / utilization of energy set free e.g. power generation, heating purposes, process steam/parameters ...)
1 b) General set-up (i.e.: place/location, client, periphery, preferred flue gas cleaning system -wet, effluent free, dry system- ...)
1c) Time table (contract award, basic engineering, permissions, detail engineering, procurement, installation, commissioning, start-up ...)

2. Data of combustibles

2 a) Short description of combustible (what/type, origin, properties; e.g. in case of sewage sludge: municipal sludge / industrial sludge / digested / not digested)

Combustible 1 (Comb. 1):

Combustible 2 (Comb. 2):

<u>Combustible 3 (Comb. 3):</u>				
2 b) combustible throughput at 8'000 h/a	kg/h	Comb. 1:		
		Comb. 2:		
		Comb. 3:		
2 c) H ₂ O-content after mechanical dewatering	mass %	Comb. 1:		
		Comb. 2:		
		Comb. 3:		
2 d) ash-content of dry substance (DS)	mass %	Comb. 1:		
		Comb. 2:		
		Comb. 3:		
2 e) lower heating value (LHV) of organic dry substance (oDS)	kJ/kg	Comb. 1:		
		Comb. 2:		
		Comb. 3:		
2 f) elementary analysis of oDS		Comb. 1	Comb. 2	Comb. 3
	C %			
	H %			
	N %			
	O %			
	S %			
2 g) ash-softening-point	°C	Comb. 1:		
		Comb. 2:		
		Comb. 3:		

2 h) ash-melting-point	°C	Comb. 1:		
		Comb. 2:		
		Comb. 3:		
2 i) auxiliary combustible solid/liq-uid (acs/l) for start-up		acs/l 1	acs/l 2	acs/l 3
	name			
	LHV kJ/kg			
2 j) auxiliary combustible gaseous (acg) for start-up		acg 1	acg 2	acg 3
	name			
	LHV kJ/m ³ i.N.			

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