

QUESTIONNAIRE - WASTE WATER TREATMENT – MBBR / IFAS

1. General:

Please tick the appropriate field, fill in "yes" or "no" or fill the data / information required. E-mail the filled Questionnaire + supporting documents with reference to the project

2. Project Information

Client / Company-Name Address	
Contact Person Phone / Email	
Project / Location / Country	

3. Design Data

3.1 Basic Data – Design Temperature:

Design Temperature. [°C]	
Max. /Min temperature [°C]	

3.2 Basic Data - Hydraulic load

Daily Wastewater inflow	Q_d	_____	[m ³ /d]
Inflow: 24h – Average	Q_{24}	_____	[m ³ /h]
Max. Inflow – dry weather	$Q_{max, DW}$	_____	[m ³ /h]
Max. Inflow – rainy weather	$Q_{max, RW}$	_____	[m ³ /h]

3.3 Design Data: Waste water Inflow – Treated Water

Parameter	Inflow		Treated Water	
	Concentration in mg/l	Daily load in kg/day	Concentration mg/l	Daily load in kg/day
BOD5				
COD				
Suspended Solids				
Total Nitrogen				
Ammonia-Nitrogen				
Total Phosphorous				
Other				

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3.4 Plant configuration

	Yes / No		Yes / No
MBBR		BOD/COD-Removal	
IFAS		Nitrification	
		Denitrification	
		P-Removal	

4. Supporting information: Pre-treatment, Secondary Settler and Sludge treatment

4.1 Pre-treatment

	Yes / No	Parameters	
Coarse screen		Slot width [mm]	
Fine screen		Slot width mm]	
Grit & grease trap		Detention time [min]	
Primary clarifier		Detention time [hours]	

4.2 Secondary Settler

Secondary settling	Yes / No	Parameters	
Type			

4.3 Sludge treatment

Secondary settling	Yes / No	Parameters	
Thickening		Target DS [%]	
Digestion		Detention time [days]	
Dewatering		Target DS [%]	

5. Special Requirements

Please, describe any special requirements:

6. ATTACHMENTS (additional information – If available)

Existing facilities, Basin drawings, ...