



QUESTIONNAIRE FOR DESIGN OF MBR SYSTEM

Client:
Project:
Contact:
Date:

newterra Contact:

1. Feed source

If industrial, please specify:

Municipal	Domestic	Industrial	Brewing	Synthetic	Dyeing	Mechanic	Food
Others:			Metal	Textile	Electronics	Farming	Coating
			Chemical	Others			

2. Wastewater quality - measured where:

Parameter	Value	Units	pH		Parameter	Value	Units
BOD ₅		mg/L	Min.	Max.	Ca ²⁺		mg/L
COD		mg/L			Na ²⁺		mg/L
TSS		mg/L	Temp. (°C)		Cl ⁻		mg/L
TDS		mg/L			Min.	Max.	SO ₄ ²⁻
Total Nitrogen		mg/L			HCO ₃ ⁻		mg/L
Ammonia NH ₄ -N		mg/L			SiO ₂		mg/L
Nitrate NO ₃ -N		mg/L			Conductivity		µS/cm
Total Phosphate		mg/L			Turbidity		NTU
Fat, Oil & Grease		mg/L			Others:		



3. Pre-treatment

Coarse Screening	<input type="checkbox"/>	Oil & Grease Trap	<input type="checkbox"/>
Fine Screening	<input type="checkbox"/>	DAF	<input type="checkbox"/>
Grit Chamber	<input type="checkbox"/>	Equalization Tank	<input type="checkbox"/>

4. Hydraulic parameters

Parameter	Value	Units
Average Daily Flow (Q_d)		m ³ /day
Peak Hourly Flow (Q_h , peak)		m ³ /day
Peak flow duration per day		hour(s)
Seasonal Fluctuation	YES	NO

5. MBR tank, if available

	Length (m)	Width (m)	Height (m)
Size			

6. Information of the plant

New installation	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Refurbishing of an existing WWTP	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Replacement of an existing WWTP	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Increase of inflow load in the future	<input type="checkbox"/> YES	<input type="checkbox"/> NO



7. Required effluent quality

Parameter	Value	Units
BOD ₅		mg/L
COD		mg/L
TSS		mg/L
Total Nitrogen		mg/L
Total Phosphate		mg/L
Fat, Oil & Grease		mg/L

8. The aim of the treatment

Discharge	<input type="checkbox"/>	RO Pre-treatment	<input type="checkbox"/>
Irrigation	<input type="checkbox"/>	Reuse in Production	<input type="checkbox"/>

9. Additional information