



newterra™

MicroClear® membranes. *Modular simplicity.*

QUESTIONNAIRE FOR MBR TROUBLESHOOTING

Client:

Project:

Contact:

Date:

newterra contact:

1. Filter / Module

Specify the module housing / number of filter cassette / order confirmation number:

2. Shipping and Storage

Was there any damage caused by shipping? If yes, please specify:

Please specify the storage condition (climate, temperature, humidity, duration of storage)

3. Module Installation and Arrangement

Was the filter arranged using newterra's housing/module? If not, please specify



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Please specify the MBR tank dimension and module placement:

Please specify if there are any pre-treatment units installed. Please provide detailed information about the type of screening units.

4. Process Flow & Instrumentation Diagram

Please provide the process flow & instrumentation diagram



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5. Influent/Effluent Quality

Parameter	Influent	Effluent	Units
BOD ₅			mg/L
COD			mg/L
TSS			mg/L
TDS			mg/L
Total Nitrogen			mg/L
Ammonia NH ₄ -N			mg/L
Nitrate NO ₃ -N			mg/L
Total Phosphate			mg/L
Fat, Oil & Grease			mg/L
pH	min:	min:	-
	max:	max:	-

Parameter	Influent	Effluent	Units
Ca ²⁺			mg/L
Na ²⁺			mg/L
Cl ⁻			mg/L
SO ₄ ²⁻			mg/L
HCO ₃ ⁻			mg/L
SiO ₂			mg/L
Conductivity			µS/cm
Turbidity			NTU
Others:			
Temperature	min:	min:	°C
	max:	max:	°C

6. 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)



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7. MBR Operation Parameters

Parameter	Value	Units
MLSS		mg/L
Flux		Lmh
TMP range		mbar
Filtration run time		minutes
Relaxation time		minutes
Air Scouring Rate		m ³ /m ² h
Backwash Pressure		mbar

Please specify the backwash frequency, chemical cleaning frequency, as well as chemicals type and concentration:

8. Additional Information

Please specify any additional information which may be notable for the operation: