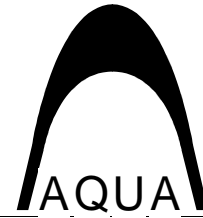


**QUESTIONNAIRE:
WASTE WATER TREATMENT**



WATER IS OUR LIFE

1. GENERAL INFORMATION

Project name _____

Client: _____

Responsible Person _____

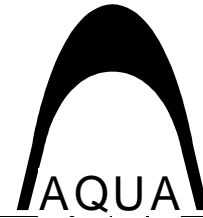
Address _____

Tel./Fax/E-mail _____

Requested:

- Further information / Contact of Representative
- Plant and process description
- Budget Quote
- Detailed Offer

QUESTIONNAIRE: WASTE WATER TREATMENT



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TECHNICAL INFORMATION

1.1 Plant location (Town / District / Country)

Level above sea (m) _____	Ambient temperature min./ max. (°C); _____
Relative humidity (%) _____	Max. wind speed (km/h) _____
Plant area (in m x m) _____	(please add sketch or layout) _____

1.2 Basic Data: Planning Capacity

	Actual	Planning
Population (in Person)	P	P
Industrial (in Population Equivalent)	PE	PE
Total	P + PE	P + PE

Sources of waste water:

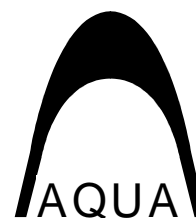
	Actual	Planning
Industry		
Agriculture (livestock)		

1.3 Waste Water inflow

Municipal waste water	m ³ /d	_____	m ³ / h
Industrial waste water	_____	m ³ /d	_____
Agricultural drain water	_____	m ³ /d	_____
			m ³ / h
Specific waste water quantity		I / PE / d	

Sewer system: separate mixed

QUESTIONNAIRE: WASTE WATER TREATMENT



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Rainwater quantity (for mixed sewer only) _____ m³/h _____ l/s

Additional fecal waste water: no yes: _____ m³/d

1.4 Waste Water Composition

pH-Value _____ Temperature _____ °C

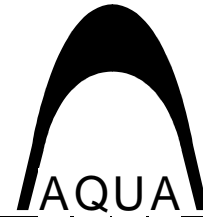
Parameter	Concentration	Daily amount
BOD5	_____ mg/l	_____ kg/d
COD	_____ mg/l	_____ kg/d
Dry Susp. Solids	_____ mg/l	_____ kg/d
Total Nitrogen	_____ mg/l	_____ kg/d
Total Phosphorous	_____ mg/l	_____ kg/d
Other	_____ mg/l	_____ kg/d

1.5 Required treated water quality:

Discharge to Recipient (River, Lake, sea) Public sewer

Parameter	Concentration	Daily amount
BOD5	_____ mg/l	_____ kg/d
COD	_____ mg/l	_____ kg/d
Dry Susp. Solids	_____ mg/l	_____ kg/d
Total Nitrogen	_____ mg/l	_____ kg/d
- Ammonia-N	_____ mg/l	_____ kg/d
Total Phosphorous	_____ mg/l	_____ kg/d
Other	_____ mg/l	_____ kg/d

QUESTIONNAIRE: WASTE WATER TREATMENT



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1.6 Sludge treatment to be included not required / existing

Sludge utilization / disposal: (please indicate)

Preferences: (please indicate)

- | | | |
|----------------------|--------------------------------------|--------------------------------------|
| Sludge prethickening | <input type="checkbox"/> static | <input type="checkbox"/> mechanical |
| Sludge stabilization | <input type="checkbox"/> aerobic | <input type="checkbox"/> anaerobic |
| Sludge dewatering | <input type="checkbox"/> Belt Screen | <input type="checkbox"/> Decanter |
| Sludge conditioning | <input type="checkbox"/> Polymer | <input type="checkbox"/> Iron / Lime |
| Sludge storage | _____ days | |

2. SCOPE OF SUPPLY

2.1 Scope of Supply

- Mechanical and electrical equipment Turn-key package

2.2 Type of plant:

- containerized (open air installation) conventional
 other _____

2.3 Raw water pump station (*please indicate*):

- yes
pipeline length _____ m geodetic height _____ m

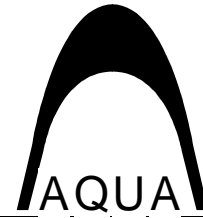
2.4 Pre-Treatment system: Coarse and Fine Screen, Sand and Grit chamber, ...

- existing to be offered

2.5 Discharge pipeline

- pipeline length _____ m geodetic height _____ m

**QUESTIONNAIRE:
WASTE WATER TREATMENT**



WATER IS OUR LIFE

3. Design requirements: Electrical and Control System

3.1 Power supply

Voltage (V) _____

Frequency (Hz) _____

Available Power (kW) _____

max. current (A) _____

Power Generator Set required:

yes

no

3.2 Process Control / Plant Automation

automatic (local)

automatic (Remote control, MODEM)

manual

4. Other Components / Auxiliaries

Spare Parts for _____ month of operation

Operation chemicals for _____ month of operation

Electrical and Mechanical Tools (*please specify*)

Laboratory Equipment / Test-Kits and Laboratory Chemicals for _____ month

5. Commercial

Offer for financing requested:

yes

no

6. Special, Preferences

(Please, describe any special requirements not mentioned in the questionnaire.)

Attachments: (Available additional information)

Plant area layout, Existing facilities + short description, add. treated water requirements, ...