Sludge Reduction Questionnaire

A. INFLUENT PARAMETERS

- BOD/COD (maximum, average) mg O_2/l
- P_{ortho} mg/l
- N_{total} mg/l
- Temperature Celsius
- Ph
- Other nutrients N-NH4 $N-NO_2$ $N-NO_3$ mg/l
- Toxic compounds mg/l
- Flow rate (maximum, average) m^3/day
- Oil & Grease concentrations mg/l
  - Are there multiple treatment lines with a capacity of …….m^3/d, or just one?
  - Are they completely separate? ☐ Yes ☐ No
  - Is there any mixing of them downstream? ☐ Yes ☐ No

B. BIOLOGICAL REACTOR

- Dissolved Oxygen Level mg/l
- MLSS mg/l
- MLVSS mg/l
- F/M ratio
- SRT days
- WAS faction
- Effluent TSS mg/l
- SVI ml/gr.
- Average sludge age Days
- Nitrate retour (%)
- HRT hours

C. Secondary Clarifier Tanks

- RAS (%)
- Sludge blanket depth in clarifiers m
- Sludge volume m^3
- MLSS/MLVSS at the bottom of the clarifiers

CI. Sludge dewatering & processing

- Operating hours of sludge dewatering plant per week
- Amount of sludge dewatering chemicals used
- Mass of sludge removed
- Costs of sludge treatment (€ or $ / tonne of sludge processed)

CII. Dimensions and working volumes

(provide a flowchart:)

- Aeration tank AT1: m^3 AT2: m^3 AT3: m^3 AT4: m^3
- Secondary Clarifier T1: m^3 T2: m^3 T3: m^3 T4: m^3
- Denitrification tank T1: m^3 T2: m^3 T3: m^3 T4: m^3
- Dephosphating tank, if present m^3

Contact details:

Company Name:

Name: Tel. number:

E-mail address:

Company Address:

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