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QUESTIONNAIRE FOR THE SELECTION OF IMMERSIBLE AERATORS FOR INDUSTRIAL WASTEWATER TREATMENT PLANTS

Please fill in your data:

Company name: _____

Company address: _____

CIP / town: _____

Country: _____

Basic data:

Effluent: _____ m³/d

Inlet BOD5: _____ mg/l

Inlet COD: _____ mg/l

Outlet BOD5: _____ mg/l

Outlet COD: _____ mg/l

Reduction: _____ %

BSB5 load: $Bd =$ _____ m³/d x _____ kg/m³ BSB5 (mg/l : 1000)= _____ kg BSB5/d

OC load _____ kg O₂/kg BSB5

O₂ transfer $OC =$ _____ kg BSB5/d x _____ Kg O₂/kg BSB5 = _____ Kg O₂/d

Aeration time: _____ h/d

Required O₂ transfer: _____ kg/h

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Bio and Chemical Technology



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Basin volume $V_b =$ _____ kg BSB5/d Kg BSB5/ $m^3 \cdot d =$ _____ m^3

Selected basin dimensions: rectangular: _____ m x _____ m / round: \varnothing _____ m

Water depth: _____ m

Selected immersible aerator/s:

Remarks:

Place and date

Company stamp and signature