



Initial Project Information Questionnaire

Contact Details

Company / Municipality: _____

Name / Department: _____

Zip Code / City: _____ Street: _____

Telephone: _____ Mobile: _____

E-Mail: _____ Fax: _____

Important details for aerator design

Name of WWTP: _____

Plant capacity (design/current): _____ PE (Population equivalent)

Plant capacity (design/current): _____ m³/d (Inlet flow)

Height above sea level _____ m

Kind of wastewater

- | | |
|---|---|
| <input type="checkbox"/> Municipal Wastewater | <input type="checkbox"/> Industrial Wastewater |
| <input type="checkbox"/> Fine Bubble Aeration | <input type="checkbox"/> Fine Bubble Aeration |
| <input type="checkbox"/> Coarse Bubble Aeration | <input type="checkbox"/> Coarse Bubble Aeration |

Industry type: _____

Oxygen requirements

Actual Oxygen Requirement (AOR) _____ kgO₂/h

Standard Oxygen Transfer Rate (SOTR) _____ kgO₂/h

Alpha Value (α) _____

SSOTE Requirements _____ %/m

If the actual oxygen data are available, please fill out. Otherwise, we need the current loads of the wastewater (following tables)

Current bio-reactor influent loads

COD _____ mg/l

BOD₅ _____ mg/l

TSS _____ mg/l

TKN _____ mg/l

PO₄ _____ mg/l

MLSS _____ g/l

Water Temperature _____ °C

Requirements for the bio-reactor effluent

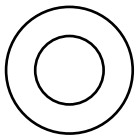
COD _____ mg/l

BOD₅ _____ mg/l

NH₄ _____ mg/l

NO₃ _____ mg/l

Number and Dimensions of Aeration Tanks



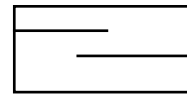
Circular Tank / Donut Tank



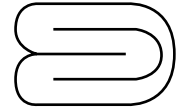
Rectangle Tank



Oxidation Ditch



Race Track



Carrousel Tank

Number of Tanks _____ Volume of Tanks (m³) _____
 Length (m) _____ Width (m) _____
 Depth (m) _____ Diameter (m) inner _____ outer _____

Number of Zones

Percentage Split Zone 1 _____ Percentage Split Zone 4 _____
 Percentage Split Zone 2 _____ Percentage Split Zone 5 _____
 Percentage Split Zone 3 _____ Percentage Split Zone 6 _____

Available airflow / Blower configuration

Ambient Temperature: min _____ °C - max _____ °C; Rel. Humidity: min _____ %, ave. _____ %, max _____ %

Make	Model	Airflow (Nm ³ /h)	Pressure (mbar)	Motor Power (kW)

Others

Layout Drawings Attached Blowers Required Blower to in tank pipework Required
 Mixers Required Valves Required

Additional Information, e.g. existing piping size, common or separate header, control valve, etc.