

PUROXI

PROVEN DISINFECTION

INNOVATIVE SOLUTIONS for Water, Air, Surfaces

PUROXI TECHNICAL PRE-INSTALLATION & DESIGN FORM

Farm / Facility name: _____

Location (GPS or address): _____

Country: _____

Contact person: _____

Email: _____

WhatsApp (incl. country code): _____

Please email to **info@puroxi.com** – Attn: **Zak Motala** (+1 604 302 9424)

1. Application & Production Model

Application type: Aquaculture Drinking water Wastewater Other: _____

Production stage(s): _____

Culture model: Flow-Through RAS Upweller

Open Water Ponds Other: _____

No. of tanks/raceways/areas: _____

Volume per tank: _____ m³ / gal

Total system water volume: _____ m³

Current turnover rate (tank volumes/hour): _____

2. Water Source & Intake

Primary source: Seawater intake Well Municipal

Surface Water Other: _____

Intake filtration (micron): _____

Salinity avg / seasonal (ppt): _____ / _____

Seasonal temp range: – °C / °F

pH at intake: _____

DO at intake (mg/L): _____

Turbidity (NTU): _____ TSS (mg/L): _____

Recent lab report available? Yes (attached) No

3. Current Water Quality in System

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DO (mg/L): _____ When & instrument: _____
Temp (°C): _____ Seasonal variation: _____
pH daily range: –
TAN: _____ NO₂-: _____ NO₃-: _____ N: _____
ORP (mV): _____ (if monitored)
BOD: _____ COD: _____ (if known)
TDS: _____ mg/L
Iron: _____ Manganese: _____
P: _____ N: _____
Algae issues? [] Yes [] No
Odour / H₂S smell? [] Yes [] No
Vibrio / bacterial counts (if hatchery): _____
Thermocline / stratification? [] Yes [] No [] Unknown

4. Biomass & Feeding

Current biomass: _____ kg / count: _____
Max planned biomass: _____
Feeding rate per day: _____ kg or %BW
Historical mortality rate: _____ %
Seasonal die-off patterns? _____

5. Existing Equipment & Gases

Current aeration: [] Blowers [] Diffusers [] Venturi
[] Surface aerators [] None [] Other: _____
Blower specs (CFM / PSI): _____
Pump flow (m³/h or GPM): _____
Biofilter type: _____
UV system? [] Yes [] No
Ozone system? [] Yes [] No
Degassing tower / protein skimmer? [] Yes [] No
Backup power system? [] Yes [] No
Current gases: [] Air [] Pure O₂ [] Ozone [] Other: _____

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6. Hydraulics & Installation Space

Pipe diameters & material: _____

Available head pressure: _____ m / bar

Side-stream loop available? Yes No

Space for generator / skid: _____

Distance to electrical panel: _____ m

Power supply: 110 V 220 V Other: _____

Frequency: 50 Hz 60 Hz

Flow requirement: Continuous Batch

Flow: _____ m³/h

Required ozone: _____ g/h

Unsure – please recommend

7. Environment & Operations

Max summer water temp: _____ °C

Min winter water temp: _____ °C

Power reliability issues? Yes No

Exposure to storms/flooding? Yes No

Corrosion / salt exposure concerns? Yes No

Installation: Indoor Outdoor

Space / environmental constraints: _____

8. Monitoring & Control

Continuous DO monitoring? Yes No

ORP monitoring? Yes No

pH controller? Yes No

Alarm / remote monitoring? Yes No

Data logging? Yes No

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9. Goals, Challenges & Integration

Main goals (tick):

- Prevent stratification
- Increase oxygen
- Remove odour
- Improve water clarity
- Growth
- Survival
- Higher density
- Disease reduction

History of Vibrio outbreaks? Yes No

Shell formation issues? Yes No

Foam or biofouling problems? Yes No

Other operational challenges: _____

Preferred solution:

- In-line nanobubble nozzles on existing pump
- Stand-alone nanobubble/ozone skid
- Integration with existing treatment
- Not sure – please recommend

Notes: Any additional information you can provide will help us better understand your needs and deliver the most effective solution.

Target start date: _____

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