

# QUESTIONNAIRE – Pond - and Lake remediation

OLOID – Agitate, Circulate, Aerate

In order to quickly clarify whether this energy-saving technology is suitable for your application, please fill out the questionnaire as far as possible and to send us by e-mail.

## Questionnaire

### 1. Pond geometry and volume

(If possible enclose sketch)

- Number of ponds with below dimension: ..... qty.
- Width of pond: ..... m
- Length of pond: ..... m
- Diameter of pond: ..... m
- Water height: min: ..... m  
max: ..... m  
median ..... m
- Pond volume: min: ..... m<sup>3</sup>  
max: ..... m<sup>3</sup>  
median:..... m<sup>3</sup>

### 2. Pond / Lake Inflow and outflow and loads

#### 2.1. Inflow to the pond / lake

- River  Min. / Max. / Median (m<sup>3</sup>/d)
- Ground water
- Other (description): .....
- .....
- .....

#### 2.2. Is contamination caused by the feed?

By which physical-chemical parameters can the impurity be described:

.....

.....

.....

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## 2.3. Loads of other origin:

- Business / Industry
- Domestic sewage
- Manure / agriculture
- Foliage / organic material
- Rain / surface water
- from the neighbourhood

## 2.4. Drain from the pond / lake

- River:  Min. / Max. / Median (m<sup>3</sup>/d)
- Subsoil seepage:
- Other (description): .....
- .....
- .....

## 2.5. Sketch of the pond / lake with inlet and outlet (add sketch if necessary):

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## 2.6. Problems due to pond / lake contamination

- |                                 |  |
|---------------------------------|--|
| Algae growth                    | yes <input type="radio"/> no <input type="radio"/> |
| Too low O <sub>2</sub> contents | yes <input type="radio"/> no <input type="radio"/> |
| Odour                           | yes <input type="radio"/> no <input type="radio"/> |
| Mud                             | yes <input type="radio"/> no <input type="radio"/> |
| Impact on fish stocks           | yes <input type="radio"/> no <input type="radio"/> |
| Restrictions as bathing waters  | yes <input type="radio"/> no <input type="radio"/> |

## 2.7. How is the natural catchment area of the lake / lake used?

(For example. Agriculture, recreation area, etc.)

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## 2.8. Have pond / sea remediation measures already been implemented? If yes, which (ventilation, deep water sampling, etc.)?

.....

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## 3. Pond / lake water texture

We assume that in many cases not all of the in the table below listed physical-chemical parameters are available. Please enter all that are available.

Water parameter	Unit	0.5m under water surface	0.5m above pond ground
Temperature	°C		
Water colour			
Odour			
PH-value			
Sight depths (Secchi-disc)	m		
Filterable substances (with 0.45 µm filter)	mg/l		
Dissolved oxygen	mg O <sub>2</sub> /l		
BOD <sub>5</sub> (Homogenised sample)	mg O <sub>2</sub> /l		
COD <sub>total</sub>	mg CSB/l		
Ammonium-Nitrogen (NH <sub>4</sub> -N)	mg/l		
Nitrate-Nitrogen (NO <sub>3</sub> -N)	mg/l		
Nitrite-Nitrogen (NO <sub>2</sub> -N)	mg/l		
Total Nitrogen (TN)	mg/l		
Phosphate (PO <sub>4</sub> -P)	mg/l		
Total Phosphate	mg/l		

Company: .....

Name: .....

Place and date: .....

Signature: .....

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