# **Questionnaire for Wastewater treatment including recycling**

1. **Company Details.**

Company name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_

Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Telephone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Fax: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contact name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Position: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Application**

 Wastewater treatment

 Water recycling

Industry: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Description of requirement/objective:

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1. **Wastewater contaminants**

# Details of wastewater before, after existing treatment (if applicable) and consent to discharge.

 Wastewater discharge to water company sewer.

 Wastewater discharge to river/sea/lake/ground.

 IPPC Site

Working pattern: Hours/day: ­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Days/week: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
|  | Before | After | Consent |
| Temperature (0C) |  |  |  |
| pH |  |  |  |
| Flow rate (m3/hr) |  |  |  |
| Daily Volume (m3/day) |  |  |  |
| Chemical Oxygen Demand (mg/l) |  |  |  |
| Biological Oxygen Demand (mg/l) |  |  |  |
| Total Suspended Solids (mg/l) |  |  |  |
| Fats, Oils and Grease (FOG) (mg/l) |  |  |  |
| Zinc (mg/l) |  |  |  |
| Nickel (mg/l) |  |  |  |
| Chromium (III) (mg/l) |  |  |  |
| Chromium (IV) (mg/l) |  |  |  |
| Total Chromium (mg/l) |  |  |  |
| Copper (mg/l) |  |  |  |
| Lead (mg/l) |  |  |  |
| Cadmium (mg/l) |  |  |  |
| Mercury (mg/l) |  |  |  |
| Ammoniacal Nitrogen (mg/l) |  |  |  |
| Total Phosphorous (mg/l) |  |  |  |
| Others (with names) |  |  |  |

1. **Existing plant**

Details of existing treatment plant, if applicable (include O&M Manual, as-built drawings, P&IDs, if not available sketch if possible):

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Details of existing treatment method, including control parameters and chemicals used (with dosage rates):

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What are the problems (if any) with existing treatment?

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1. **Water recycling**

 Yes

 No

Details of what recycled water to be used for:

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Details of quality of water required:

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1. **Available space**

Sketch space available include location of inlet, outlet and discharge point.

Available space (l x w x h) (m): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Inside

 Outside

Door/gate dimensions (w x h) (m): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Other considerations: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. **Budget available**

Details of money available and when it is available:

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1. **Other information**

This is anything else which is relevant e.g. under pressure from water authority/EA, going for ISO14001.

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