



General Questionnaire for Effluent Treatment
Industrial Waste Water Services, LLC - www.iwwsllc.com

- I. GENERAL INFORMATION

- II. DATA ON THE WATER TO BE TREATED
 - Ila General
 - Ilb Physical Qualities
 - Ilc Analysis Results

- III. REQUIRED DISCHARGE STANDARD

- IV. DESIRED DEGREE OF PRODUCT RECOVERY AND WATER RECLAMATION

- V. DATA ON PROPOSED WATER TREATMENT SYSTEM

- VI. ADDITIONAL INFORMATION

Please fill out this form and e-mail or fax to:

Sales Department
Industrial Waste Water Services, LLC

(706) 839-1728
sales@iwwsllc.com

I. GENERAL INFORMATION

Company Name: _____

Contact: _____

Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Country: _____ County: _____

Telephone: _____ Fax: _____

E-mail: _____ Website: _____

Describe your industry: _____

How did you hear about IWWS? _____

What is your primary motivation in pursuing waste treatment? _____

II. DATA ON THE WATER TO BE TREATED

Ila GENERAL

Ila-1 Wastewater discharged by: Gravity / Pumps

Ila-2 Type of pump: _____

Ila-3 Pressure of head of water: _____

Ila-4 Nature of existing waste water discharge system: Collecting pit / Pipe line / Sewer / Gutter
Other _____

Ila-5 Existing control equipment in feed system : Valves (state pipe) / Bends / Reducers /
Chokes _____

Ila-6 Minimum flow, normal flow, maximum flow: _____

Ila-7 Continuous operation / batch operation: Hrs. _____

Ila-8 Average period of batch flow: _____

IIa-9 Frequency of batches: _____

IIa-10 Quantity of waste water per batch: _____

IIb PHYSICAL QUALITIES

IIb-1 Appearance: Color_____Turbidity_____Odor_____

IIb-2 Physical constitution of the waste water: Dispersion / Solution / Emulsion / Entrained particles_____

IIb-3 Temperature: Minimum_____Normal_____Maximum_____

IIb-4 Are soaps, detergents or their surface active agents present in the waste water: No / Yes Please specify:_____

IIb-5 Are fibers, hair, etc. present in the waste water: No / Yes Please specify:_____

IIb-6 Are air or gases present in the waste water: No / Yes, Unsaturated / Saturated / Super saturated / Entrained bubbles

IIb-7 Quantity of materials settling out: _____mg/1 and/or _____m1/1

IIb-8 Density and settling velocity of materials: _____m/h

IIb-9 Quantity and nature of floating material: _____mg/1 and/or _____m1/1

IIb-10 Rising velocity when lighter than water or gas entrained: _____m/h

IIb-11 Size distribution of the solids present if known: _____

IIc ANALYSIS RESULTS

IIc-1 pH: Average_____Minimum_____Max._____

IIc-2 p-Alkalinity: _____mg/1

IIc-3 m-Alkalinity: _____mg/1

Ilc-4 COD: _____ mg/1
 Ilc-5 BOD₅: _____ mg/1
 Ilc-6 TOC: _____ mg/1
 Ilc-7 Ammonia nitrogen: _____ mg/1
 Ilc-8 Albuminoid nitrogen: _____ mg/1
 Ilc-9 Phosphates: _____ mg/1 as _____
 Ilc-10 Orthophosphates or polyphosphates: _____ mg/1 as _____
 Ilc-11 Oil:
 -Mineral, animal, vegetable: _____
 -Concentration: _____ mg/1
 -Method of analysis used to obtain the figures: _____
 -Specify gravity: _____
 -Viscosity (State method and units used): _____
 -Oil droplets diameter: _____
 -Oil droplets size distribution: _____
 Ilc-12 Fats:
 -Nature of fats: _____
 -Concentration: _____ mg/1
 Ilc-13 Heavy Metals:
 - Iron
 - Others, please specify:
 - _____
 - _____
 - _____

IIc-14 Emulsified Materials:

- _____
- _____
- _____
- _____

IIc-15 Dissolved Materials:

- Calcium and Magnesium salts: _____
- Alkali metal salts: _____
- Carbonate and bicarbonate: _____
- Sulphate: _____
- Others, please specify: _____

III REQUIRED DISCHARGE STANDARDS

III-1 Do legislative standards apply to your waste effluent discharge: Yes / No _____

III-2 Which standards: _____

III-3 Is a copy available: Yes / No _____

III-4 Visual appearance of the waste effluent Color _____ Turbidity _____
Jackson Turbidity Units

III-5 pH: _____

III-6 COD: _____ mg/1

III-7 BOD: _____ mg/1

III-8 TOC: _____ mg/1

III-9 Ammonia nitrogen: _____ mg/1

III-10 Albuminoid nitrogen _____ mg/1

- III-11 Phosphates (total, including polyphosphates): _____ mg/1
- III-12 Orthophosphates: _____ mg/1
- III-13 Oil concentration: _____ mg/1
- III-14 Method of analysis for oil employed: RIZA/others _____
- III-15 Oil particles size: _____ um mic.
- III-16 Fats: _____ mg/1
- III-17 Heavy metals: _____
- Please state allowed tolerances for each metal: _____ mg/1
- _____ mg/1
- _____ mg/1
- _____ mg/1
- III-18 Total suspended solids: _____ mg/1
- III-19 Total dissolved solids _____ mg/1

IV. DESIRED DEGREE OF PRODUCT RECOVERY AND WATER RECLAMATION

- IV-1 The treated water will be: Discharged / Re-used _____
- IV-2 In case of re-use, please give the specification for the water to be re-used: _____
- IV-3 Are the impurities to be recovered: Yes / No _____
- IV-4 In case of recovery, please specify any chemicals that may not accompany the material to be recovered: _____

V. DATA ON PROPOSED WATER TREATMENT INSTALLATION

- V-1 Situation: Above ground / Sump / Others _____
- V-2 Material(s) of construction: Concrete / Mild steel / Stainless Steel / Others _____
- V-3 Installation location relative to water source: Indoors / Outdoors / Off-shore / Others
Please indicate geographical location if possible:

- V-4 Is electricity available: Yes / No If available, please specify voltage and phase _____ kw
- V-5 Maximum starting load permitted: _____ kw
- V-6 Is compressed air available: Yes / No If available please specify:
Pressure _____ bar
Capacity _____ Nm³/h
- V-7 Is clean fresh water available: Yes / No If available, please specify:
Head _____ mwh, Pressure _____ m³/h
- V-8 Is steam available: Yes / No If available, please specify:
Pressure _____ bar, Capacity _____ tons/h

VI. ADDITIONAL INFORMATION

- VI-1 Is an offer required: Yes / No _____
- VI-2 If yes, within what period: _____
- VI-3 Nature of offer: Budget / Final _____
- VI-4 Nature of contract: Turnkey / Including or excluding civil works

- VI-5 Term of delivery: Ex works / f.o.b. / c and f / c.i.f.
- VI-6 Tender documents, requisition available: Yes / No _____
- VI-7 Specific standards/codes applicable: Yes / No, which, is it possible to make copies _____

VI-8 Scheduled date of mechanical completion: _____

VI-9 Scheduled date of start-up: _____

VI-10 Plant location well accessible: Yes / No _____

VI-11 Are there any obstacles for transport: Yes / No, please specify _____

EXISTING PROCESS FLOW FROM POINT OF GENERATION TO DISCHARGE

