

# Questionary Process Information Solid-Liquid-Separation



End-user \_\_\_\_\_

Company \_\_\_\_\_

Date \_\_\_\_\_

Town \_\_\_\_\_

Fax # \_\_\_\_\_

Contact \_\_\_\_\_

Fon # \_\_\_\_\_

e-mail \_\_\_\_\_

Please complete the questionnaire as completely as possible and diligently. If necessary, please attache additional information on a separate sheet.

## Filtration prozess

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## 1. Information about turbid

2. Filtration turbid \_\_\_\_\_

Composition \_\_\_\_\_

\_\_\_\_\_

Chemical attack \_\_\_\_\_

pH Value \_\_\_\_\_

Solid matter of turbid \_\_\_\_\_ g/l \_\_\_\_\_ %

Density Turbid \_\_\_\_\_ kg/m<sup>3</sup>

Solid \_\_\_\_\_ kg/m<sup>3</sup>

Liquid \_\_\_\_\_ kg/m<sup>3</sup>

Solids \_\_\_\_\_

Properties

- amorphous
- foliated
- fibrous
- colloiddally
- crystalline
- pasty
- slimy
- toxic
- other \_\_\_\_\_

Grain size

- shagreened
- medium
- fine
- very fine

Particle size distribution

< 3    < 5    < 10    < \_\_\_\_\_ μm  
 \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_ Ma-%

Filter aid \_\_\_\_\_

Concentration \_\_\_\_\_ g/l, %

Add-on \_\_\_\_\_ g/l

## 2. Information about filter plant

OEM \_\_\_\_\_

Typ \_\_\_\_\_

Filter element

- Candle filter
- Bag filter
- Filter insert
- other \_\_\_\_\_
- Disc filter segments
- Filter press cloth
- Cover

Filter plates Amount \_\_\_\_\_  
 Size \_\_\_\_\_ mm

Material of the filter plates \_\_\_\_\_

Filter drum Number of cells \_\_\_\_\_

Diameter \_\_\_\_\_ mm

Length \_\_\_\_\_ mm

Cleaning system

Type \_\_\_\_\_

Cake thickness \_\_\_\_\_ mm

Cake release in rotary filters \_\_\_\_\_

## 3. Information about presend filter media us

Quality name \_\_\_\_\_

Material \_\_\_\_\_

Grammage \_\_\_\_\_ g/m<sup>2</sup>

Air permeability \_\_\_\_\_ l/dm<sup>2</sup>xmin  
 at 20 mm WG

Surface treatments and finishes \_\_\_\_\_

Reactivation

- Chem. cleaning
- High pressure cleaning
- other \_\_\_\_\_
- Washing
- acidize

Undercloth or supporting scrim \_\_\_\_\_

## 4. Operating parameters

Filtration temperature \_\_\_\_\_ °C

Filtration pressure \_\_\_\_\_ bar

Volume flow \_\_\_\_\_ m<sup>3</sup>/h

Delivery rate of the pump \_\_\_\_\_ m<sup>3</sup>/h

Filtration or drum rotation time \_\_\_\_\_

Turbide running time \_\_\_\_\_

Cake condition \_\_\_\_\_

Cake release \_\_\_\_\_

Residual moisture content min. \_\_\_\_\_ %

max. \_\_\_\_\_ %

Tendency to fouling

- small
- moderately
- large

Further processing

- Cake
- Filtrate

Washing liquid \_\_\_\_\_

Temperature \_\_\_\_\_ °C

Pressure \_\_\_\_\_ bar

## 5. Operating experience

Previous service life \_\_\_\_\_

Problems \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## 6. Other

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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In order to ensure faster processing, the questionnaire should be completed as fully and conscientiously as possible. If necessary, additional information can be inserted on a separate sheet.