

FLSmidth

FLSmidth Salt Lake City, Inc.
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www.FLSmidthMinerals.com



Application Data Sheet - Solid / Liquid Separation

SAMPLE DATA

Project Name _____ Date _____
 Project Location _____ Sales Engineer _____
 Company Name _____ Engineering Contractor Name _____
 Company Location _____ Requested Completion Date _____

Type or Simulation: Lab Pilot Information
 Simulation Location: Yes No
 Other _____
 Funding: Customer Paid Sales Assistance Customer Witnessed: Yes No

CUSTOMER CONTACT

Name _____ Phone Number (Main) _____
 Position _____ Phone Number (Direct) _____
 Address _____ Mobile Number _____
 E-mail _____ Fax Number _____

INDUSTRY INFORMATION

(Check all that apply)

Food Chemical Minerals Pulp/Paper Metals
 Environmental Wastewater Calcium Compounds/Gypsum
 OTHER: _____

PROCESS OBJECTIVES

Objective _____

Existing Situation _____

Product: Solid Liquid Waste: Solid Liquid

Desired Cake Moisture (wt%) _____

Permissible floc / chem treatment _____

Wash Requirements

Solids Washing
 Temperature _____ (°C) Wash Ratio (kg liquor/kg solid) _____

Dissolved Solids to be Removed or Recovered _____

Desired Recovery or Removal Efficiency (%) _____ Wash Liquor Source _____

Method: Countercurrent Once Through Other _____

Contaminant level in mother liquor _____

Other

Particle degradation - important: Yes No Vapor tight / pressure const _____

Material of construction _____ Operating / design pressure _____

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PROCESS DATA

Process Conditions

Temperature _____ (°C) pH _____ Existing Production New Development
Pressure _____ (bar) Precautions _____

Feed Slurry

Mass Rate (t/h) _____
Volumetric Rate (m³/h) _____
Density (kg/m³) _____
Material _____

Suspended Solids

Mass Rate (t/h) _____
Concentration (wt%) _____
Density (kg/m³) _____
Material _____

Liquid

Mass Rate (t/h) _____
Composition _____
Density (kg/m³) _____ at _____ (°C)
Dissolved Solids Concentration _____ (g/l)

Particle Size Distribution

P(100) _____ Micron _____
P(80) _____ Micron _____
P(50) _____ Micron _____
P(20) _____ Micron _____

FLOW SHEET

Please include one step prior to and after flow streams of separation equipment.

COMMENTS

Other equipment tested _____

Test results _____
