



Liquid/Solid Separation Questionnaire

The data you supply on this questionnaire will be used to develop a recommendation. More complete information yields a more accurate evaluation. Please contact us if you have any questions or need assistance.

From: _____ Voice: _____ Fax: _____

Company: _____

Address: _____

_____ e-mail: _____

Plant type: _____

• Objective

Project summary and objectives (what is most important?): _____

What is the present method of separation (Or, what methods have been investigated or considered?): _____

• Feed Characteristics

Name of Feed Material: _____

Source of Feed (upstream of separation): _____

Composition of Liquid: _____

Composition of Solids: _____

Total Solids Concentration by Weight: _____ % or mg/l _____ Temperature: _____

Suspended Solids Concentration by Weight: _____ % or mg/l _____

Density: _____ Viscosity: _____ pH: _____

Other: _____

• Process Rate

[] Continuous

Operating Time: _____ hrs/day, _____ days/wk

Feed Rate: _____ gpm

_____ lbs total/hr, _____ lbs dry solids/hr

[] Batch

Operating Schedule: _____ batches/day, _____ hrs/batch

Feed Amount: _____ gal/batch

_____ lbs total/batch, _____ lbs dry solids/batch

• **Liquids**

What are the desired characteristics of the liquid phase after separation? _____

What happens to the filtrate after separation? _____

Suspended solids concentration: _____ mg/l

Other: _____

• **Solids**

What are the desired characteristics of the solids phase after separation? _____

What happens to the cake or 'solids' after separation? _____

Total solids concentration: _____% cake density: _____ pH: _____

Other: _____

• **Cake Washing**

If the intent of the process is to remove soluble material for the cake, complete the following:

What substance is to be removed by cake washing? _____

Desired cake purity? _____

Are there any limits on the amount of wash liquor used? _____

What may be used as wash liquor? _____

What happens to the wash liquor after separation? _____

Please provide us with any additional background information, process sketches, flow sheets or special instructions.