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## Fax Sheet

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**To:** Kelly Brown or A J Schmidt      **Date :**

**From:**

**Subject:** Equipment sizing / budget pricing

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### PROCESS INFORMATION SURVEY

Project Name: \_\_\_\_\_  
Consultant: \_\_\_\_\_  
Sales Engineer: \_\_\_\_\_  
Response needed by: \_\_\_\_\_

*(The information requested below may not be available at the early stages of a project. The list is intended to be a check list. The more information that can be provided the better tailored the response can be.)*

1. Describe facilities ( Municipal, Industrial, Pulp and Paper and Overall type of plant, mill) for example: A municipal facility with primary clarifier, activated sludge, aerobic digestion. Pulp and Paper, sodium bisulfate digestion of virgin fiber from hardwood, primary clarifier, aerated lagoons: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Identify the chemical characteristics of:  
Solid particles: \_\_\_\_\_  
Filtrate: \_\_\_\_\_



3. What treatment process does feed undergo before coming to the belt press / gravity belt thickener:

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4. What is the percent solids in the feed\_\_\_\_\_

5. What is the density of the feed slurry at the above percent solids:\_\_\_\_\_

6. What is the density: solid particles\_\_\_\_\_, the liquid\_\_\_\_\_.

7. Solid particle size distribution or pulp freeness:

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8. Feed slurry temperature:\_\_\_\_\_.

9. What are the following typical characteristics of waste streams:

- % Ash:\_\_\_\_\_
- % Volatile Solid Concentration:\_\_\_\_\_
- BOD Conc usually milligrams/lite or ppm:\_\_\_\_\_ in waste stream to treatment plant;
- COD Conc usually milligrams/lite or ppm:\_\_\_\_\_ in waste stream to treatment plant;
- Ph\_\_\_\_\_, usually a number from 1 to 14.
- SVI \_\_\_\_\_, usually a number from 100 to 500 and represents the final volume in mililiter of the settled solids allowed to settle in a 1 liter graduated cylinder.

10. Quantity of feed to be processed by the belt press / gravity belt thickener:

Total gallons per month, week:\_\_\_\_\_

Total amount of dry solids per month, week \_\_\_\_\_

11. Desired operating frequency of belt press / gravity belt thickener:\_\_\_\_(describe desired operation of filter for example one shift per day, 8 hours per day, 5 days per week.\_\_\_\_\_

Filtrate:\_\_\_\_\_



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12. What is the maximum allowable moisture or solid concentration in filter cake:\_\_\_\_\_
13. What is the desired moisture or solid concentration in the filter cake:\_\_\_\_\_
14. What is the desired / allowable solid concentration in the filtrate:\_\_\_\_\_
15. Does client have any experience / preference for flocculation of the slurry or other treatment such as lime, FeCl? If so provide details of polymer supplier and product number/name and typical dosages:\_\_\_\_\_
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16. What is the final disposition of the filter cake:\_\_\_\_\_ ( landfill, incineration)\_\_\_\_\_
17. Does client have preference / experience of suitable materials of construction for adequate corrosion resistance:\_\_\_\_\_
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