Pump selection procedure

**Metering pumps**

1. Pumping volume required: minimum and maximum rate per hour: __________

2. Materials required, if known:
   a. Wetted end: ______________
   b. Diaphragm: ______________
   c. Valve balls: ______________

3. Motor requirements:
   a. Specify AC or DC power, AC 1 or 3 ph, voltage?
   b. Enclosure for motor: (TEFC, explosion proof, washdown duty, or other): 
   c. Variable speed or single speed motor required

4. Output adjustment: manual or remote control signal

5. Other requirements:
   a. Discharge pressure requirement: __________
   b. Slurry or solids: size?
   c. Viscosity: (Madden max is up to 450 cps)?
   d. Suction lift or flooded suction? (If suction lift, how much is the lift?) __________
   e. Corrosive or dangerous liquid?: Specify liquid: ______________
   f. Type DDB double diaphragm required? (Normally used for dangerous liquids): Yes/No
   g. Corrosive environment: epoxy/polyurethane paint finish, special motor enclosure? Yes/No

6. Accessories required?:
   a. Back pressure valve: Yes/No
   b. Pressure relief valve: Yes/No
   c. Pulsation dampener: Yes/No
   d. Calibration column: Yes/No
   e. Steel pump base: Yes/No
   f. Tank, plastic or stainless steel: Yes/No