DRYER APPLICATION





	LIQUID ADDITION
	Are liquids added during the process? □ Yes □ No
Contact	Name(s)
Contact	Name(s) cps @ □°F / □°C
Title	Quantity usg / inters
Address	Rate of Addition □ gpm / □ lpm
City St Zip	<u>HEATING JACKET</u>
Country	Jacket Rating: □ 14.7 psig non-code
Phone	□ ASME code stamped psig
	FACILITY FLEVATION (show as low) - feet / - meeters
Mobile	FACILITY ELEVATION (above sea level) feet / meters
Fax	PRODUCT CONTACT MATERIAL
E-mail	□ 304, □ 316 □ 316L Stainless Steel
How did you learn about PAUL O. ABBE?	□ Other Alloy
	□ Coating
DRYING EXPERIENCE (describe your present drying method)	EXTERNAL & SUPPORT MATERIALS
Type of Dryer & Size	□ mild steel □ 304 □ Other
How is this method performing?	OUREAGE FINIOUES
	SURFACE FINISHES
	Internal: □ bead blast, □ grit, □ Ra (μ inch)
BATCH CAPACITY	External: □ bead blast, □ grit, □ Ra (μ inch) External Structural: □ coated, □ other
by Volume □ ft³ or □ liters per batch	External Structural Coated, - Other
or by Weight □ lbs. or □ kg per batch	CLEARANCES
Process will operate:	Clearance below Discharge Valve
□ Continuously hours/day □ Intermittently hours ON, hours OFF	Height/Ceiling Restrictions
Intermittentlynours on,nours of	
TEMPERATURE	<u>UTILITIES AVAILABLE</u>
Temperature of incoming product _\circ\circ\circ\circ\circ\circ\circ\ci	Electrical voltage, phase, Hz
Temperature during drying □°F / □°C	Vacuum "Hg, cfm
MAXIMUM temp. during drying \(\sigma^F / \sigma^C \)	Air psig, cfm Water □°F / □°C, gpm, psig
Final temp. after drying/cool down □°F / □°C	Steam psig, lbs./hour
	beam psig, ibs://loui
SOLID & LIQUID PRODUCT CHARACTERISTICS	ELECTRICAL CLASSIFICATION
SOLID COMPONENTS	Will <i>dryer</i> and <i>controls</i> be in different areas? □ Yes □ No Motor Classification:
Name(s)	Class: □ Cls. I (gas/vapor), □ Cls. II (dust)
Bulk Density (lowest/min.) □ lbs./ft³ / □ g/cc	Division: □ Div. 1 (Class substance is present in normal conditions)
Bulk Density (tapped/max.) □ lbs./ft³ / □ g/cc	□ Div. 2 (Class condition is present in abnormal conditions)
Heat Capacity □ BTU's/lbs.°F / □ kJ/kg°K	Electrical Enclosures: NEMA-12, NEMA-4 (washdown)
	□ NEMA-4X (washdown & corrosive), □ NEMA-7&9 (XP)
Solids Characteristics:	□ NEMA-4,7&9, □ other
□ Friable □ Dusty □ Cohesive □ Abrasive □ Agglomerates	
Particle Size: □ mesh or □ μ microns	SUPPORT EQUIPMENT REQUIRED
Particle Size □ mesh or □ μ microns	□ Vacuum System □ Solvent Recovery
LIQUID COMPONENTS	□ Vacuum System □ Solvent Recovery □ Heating □ Cooling □ Liquid Addition □ Lump Breaker
Name(s)	□ Liquid Addition □ Lump Breaker □ Liquid Filtration □ Inert Gas Purge
Percent Liquid (wet basis)%	□ Liquid Filtration □ Inert Gas Purge □ Solids Sampler □ Drum Loading/Unloading
or Weight of Liquid only □ lbs. / □ kg	□ Solids Sampler □ Drum Loading/Unloading □ Controls □ other solids handling
Required Final Moisture Level %	- Controls - Utilet solids Handling
Percent Free Moisture %	PROJECT SCHEDULE
Percent Bound Moisture %	Start-Up Scheduled for $\Box 1^{\text{st}} \ \Box 2^{\text{nd}} \ \Box 3^{\text{rd}} \ \Box 4^{\text{th}} \ Qtr., 20$
Liq. Heat Capacity □ BTU's/lbs.°F / □ kJ/kg°K	Is Project Funded: Yes No
Heat of Vaporization □ BTU's/lbs. / □ kJ/kg	Installation Location (State or Country)