BTEX Destroyer System Design Data Form

1.2 Quote Information

Customer Information			
Name		Company	
Business Title			
Email		Phone Number:	

Equipment Information			
Quantity:		Ship to Location (City, State, Zip)	
Proposal Due Date		Freight Terms	☐ EXW ☐ FCA ☐ FOB ☐ CIF ☐ Other _____
Potential Order Date:		Preferred Ship Date:	

Rank (1-4) Importance of the Following:							
Price:		Spec Compliance:		Delivery:		Quality/Reliability:	

Additional Comments

1.3 Process Conditions

Preliminary questions:

Does dehy unit have a Pump (Flash) Gas Separator?		Yes or No
Is pump gas used as regen fuel gas?		Yes or No
Is pump gas to be destructed in BTEX Destroyer unit?		Yes or No
Is dehydrator unit using stripping gas?		Yes or No
Is clean assist gas available (>1000BTU/scf)?		Yes or No
Is electricity available on site?		Yes or No

If vapor conditions entering BTEX Destroyer Unit known:

Process Data	Parameter	Typical Values
Vapor Inlet Pressure (oz/in²)		4-10
Vapor Inlet Flowrate (MSCFD)		0-500

Vapor Inlet Temp (°F) (At Regen Still Column)		80-120
Vapor Inlet SG		0.7-2
Vapor Inlet LHV (BTU/scf)		<300BTU/Hr
Vapor Gas Composition		Please Provide.

If vapor conditions entering BTEX Destroyer need to be simulated from dehydrator conditions:

Process Data	Parameter	Typical Values
Absorber Tower Gas Inlet Pressure (PSIG)		800-1200
Absorber Tower Gas Inlet Temp (°F)		70-135
Absorber Tower Gas Inlet Flowrate (MMSCFD)		5-200
Absorber Tower Gas Inlet SG		0.57-0.8
Gas Outlet Water Conc. (#/MMSCFD)		<7
Regenerator Glycol Pump Type		Pneumatic or Electric?
Regenerator Glycol Flow Rate (sgpm)		2 to 30 sgpm
Regenerator Heat Duty Rating (BTU/hr)		.2-3MMBTU/hr
Inlet Gas Composition		Please Provide.

1.4 Design Scope

Style:	☐ Combustor Only ☐ Packaged w/ On-Skid KO Drum and/or condenser if required
Inlet ESD required?	☐ Yes ☐ No Preference on type if Yes:
Water Removal Method:	☐ Pneumatic Pump ☐ Electric Pump ☐ Blowcase
Condenser Method (if required)	☐ Force Draft (standard) ☐ Natural Draft ☐ Shell and Tube
Pilot Fuel Gas:	☐ Conditioned Gas ☐ Propane ☐ Other:
Combustor Burner Management System	☐ ARC ☐ Solar ☐ Temp Monitor ☐ ESD on Combustor Inlet ☐ Profire ☐ Solar ☐ Temp Monitor ☐ ESD on Combustor Inlet ☐ Permitted to vent during shutdown? Fail-safe valve?
Additional Design Requests	