Ultra Low NOx Certified Emissions Burner (CEB) Design Form

1.1 Quote Information

Customer Information					
Name		Company			
Business Title					
Email		Phone Number			
Equipment Information					
Quantity:		Preferred Ship Date		Proposal Type	☐ Budgetary ☐ Firm
Ship to Location (City, State, Zip, Address)					
Application Type					
☐ Landfill ☐ RNG ☐ Waste Water ☐ Dairy/Beef ☐ Food Waste Other (Please Specify): _____					
Additional Comments					

1.2 Process Conditions

Process Data	Typical	Case 1	Case 2
Methane (CH_4)	0 - 100%		
Carbon dioxide (CO_2)	0 - 100%		
Water Vapor (H_2O)	0 – 100% RH		
Hydrogen Sulfide (H_2S)	0 – 0.5%		
Gas Inlet Pressure (inches WC)	Depends		
Gas Inlet Min/Max Temp (°F)	30 / 100		
Gas Inlet Flowrate (SCFM)	300 - 6,000		
Emissions Required	**Typical**	**Custom**	
Destruction Efficiency Required	99.9%		
CO Emissions (lb./MMBtu)	0.01		
NO_X Emissions (lb./MMBtu)	0.018		

1.3 Design Scope

Available Site Utilities		
Available Fuel Gas	☐ Natural Gas ☐ Propane ☐ Biogas	
Available Instrument Air	☐ Yes ☐ No	
Available Electricity	☐ 480V/3ph/60Hz ☐ 120V/3ph/60Hz ☐ 600V/3ph/60Hz Other (Please Specify): _____	
Site Conditions		
Area Classification for Control Panel	☐Class: _____ Div: _____	☐ Safe Area
Accessories		
☐ Export Packing ☐ Integral Liquid Seal ☐ Integral Scrubber	☐ External Knockout Pot ☐ Ladders and Platforms	

1.4 Gas Blower Skid (if required)

Blowers	Typical	Custom
Required Blower Turndown	N/A – 10:1	
Blower Spare Capacity	☐ 0% Redundancy ☐ 50% Redundancy ☐ 100% Redundancy	