

Biogas Thermal Oxidizer (BTOx) 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	Case 1	Case 2	Case 3
Case Description			
Inlet Fluid Composition (recommended for most accurate sizing)	Please Attach	Please Attach	Please Attach
Gas Inlet Pressure (PSIG)			
Gas Inlet Min/Max Temp (°F)			
Gas Inlet Flowrate (SCFM)			
Can Gas Cases Occur Simultaneously, Or Are They Mutually Exclusive?	☐ Simultaneous ☐ Mutually Exclusive		
Emission Required	Typical	Custom	
Destruction Efficiency Required [%]	98%		
CO Emissions (lb./MMBtu)	0.20		
NO _x Emissions (lb./MMBtu)	0.06		

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 ☐ Automatic Shut-off Valve	☐ Flame Arrestor ☐ External Knockout Pot ☐ Ladders and Platforms	