

Southwest Clean Air Agency

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INCINERATOR

I. Manufacturer Information:

- A. Manufacturer Name _____
- B. Model and Serial Number _____
- C. Drawings Included _____
- D. Delivery Quoted _____
- E. Price Quoted _____

II. Waste Charging Rates (as fired basis):

A. Solids

Waste Type	Maximum Firing Rates (lb/Hr)	Higher Heat Value (Btu/lb)	Content (Wt %)		
			Moisture	Ash	Sulfur
0					
1					
2					
3					
4					

B. Sludges/liquids _____

C. Charging Method(s) (describe) _____

III. Design Parameters:

	Primary Chamber	Secondary Chamber	Tertiary Chamber
A. Volume (ft ³)			
B. Configuration			
C. Grate Area (ft ²)	
D. Arch Height (ft)			
E. Burner(s) Manufacturer			
1. Model			
2. Btu Rating			
3. Fuels Fired			
F. Air Flow (CFM)			
1. Burner			
2. Under-grate			
3. Other			
G. Gas velocity (Avg FPS)			
H. Avg Operating Temp (°F)			
I. Max Operating Temp (°F)			
J. Retention Times (Sec)			

IV. General:

A. Heat Balance—Continuous Operation

1. Inputs

a. Refuse _____ Btu/hr

b. Auxiliary Fuel _____ Btu/hr

2. Losses

- a. Dry Stack Gas _____ Btu/hr
- b. Moisture in Charge _____ Btu/hr
- c. Hydrogen Burned _____ Btu/hr
- d. Radiation/Conduction to Surroundings _____ Btu/hr
- e. Other (Specify) _____ Btu/hr

B. Estimated Outlet Parameters Sampling Results on Similar Installations

- 1. ACFM @ Temperature _____
- 2. Dry SCFM _____
- 3. CO₂ (vol. %, dry) _____
- 4. O₂ (vol. %, dry) _____
- 5. Particulate Loading (Grns/DSCF @ 12% CO₂) _____
(from waste only)
- 6. Opacity (%) _____
- 7. Stack
 - a. Height: _____
 - b. Diameter: _____
 - c. Sampling Ports Included? _____

C. System control capabilities, such as burner modulation, interlock features, etc. (describe).

D. Description and Nature of Guarantee: _____

E. Instrumentation and Controls:

- a. Flame failure controls _____
- b. Thermocouple placement _____
- c. O₂ and CO/CO₂ sensor placement _____
- d. Temperature and oxygen recorder _____
- e. Automatic controls _____
- f. Feed rate controls _____
- g. CEM locations _____

F. Drawings to be included with application

- a. Facility plot plan
- b. Equipment layout
- c. Equipment details
- d. Vendor specification sheets