



**Kansas Department of Health and Environment  
Division of Environment  
Bureau of Air and Radiation**

**INCINERATORS & SOLID WASTE COMBUSTION UNITS**

- 1) Source ID Number: \_\_\_\_\_
- 2) Company/Source Name: \_\_\_\_\_
- 3) Type(s) of material incinerated or combusted: Municipal Wastes \_\_\_\_\_ ; Household type of wastes \_\_\_\_\_ ; Pathological Wastes \_\_\_\_\_ ; Crematorium \_\_\_\_\_ ; Animal \_\_\_\_\_ ; Medical Wastes \_\_\_\_\_ ; Industrial-describe \_\_\_\_\_ ; Other-describe \_\_\_\_\_
- 4) Incinerator:  
 Manufacturer: \_\_\_\_\_  
 Model No.: \_\_\_\_\_
- 5) Type: \_\_\_\_\_
- 6) Waste Combustion Capacity: Manufacturer's design capacity: \_\_\_\_\_ lbs/ hr; \_\_\_\_\_ tons/day  
 Proposed/actual usage: \_\_\_\_\_ lbs/hr; \_\_\_\_\_ tons/day; \_\_\_\_\_ tons/yr
- 7) Number of chambers/refractory lined combustion furnaces in series: \_\_\_\_\_
- 8) Burners:

TYPE	NUMBER OF BURNERS	FUEL TYPE	BURNER CAPACITY (cu ft or gals/hr)	ANNUAL ESTIMATED USE (cu ft or gals)	HEAT VALUE OF FUEL (BTU/cu ft or gals)	ASH IN FUEL %	SULFUR IN FUEL %
PRIMARY 1							
PRIMARY 2							
SECONDARY 1							
SECONDARY 2							
STACK/ AFTERBURNER 1							
STACK/ AFTERBURNER 2							

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**(cont.)**

- 9) Estimated heat value of waste combusted: \_\_\_\_\_ BTU/lb  
State the basis of value or reference: \_\_\_\_\_
- 10) Operating temperature (design values):  
Primary: \_\_\_\_\_ ° F  
Secondary: \_\_\_\_\_ ° F  
Stack/Afterburner: \_\_\_\_\_ ° F
- 11) Minimum Residence time in chamber: \_\_\_\_\_ seconds
- 12) Emissions discharge to atmosphere \_\_\_\_\_ ft. above grade through stack \_\_\_\_\_ ft. diameter at \_\_\_\_\_ ° F temperature, with \_\_\_\_\_ cfm flow rate and \_\_\_\_\_ fps velocity.
- 13) Date of commencement of last modification: \_\_\_\_\_
- 14) If performance tests have been conducted on the facility, please attach copy/copies: Attached \_\_\_\_\_;  
Not Attached \_\_\_\_\_
- 15) If the facility is new, please attach manufacturer's guaranteed performance and **estimated emissions** of the following pollutants **expressed as lbs per ton of pollutants of waste combusted.**  
Particulate matter (total) \_\_\_\_\_ ; Particulate matter (PM 10) \_\_\_\_\_ ; Sulfur dioxide \_\_\_\_\_ ; Hydrogen chloride \_\_\_\_\_ ; Nitrogen oxides \_\_\_\_\_ ; Carbon monoxide \_\_\_\_\_ ; Lead \_\_\_\_\_ ; Cadmium \_\_\_\_\_ ; Mercury \_\_\_\_\_ ; Dioxin \_\_\_\_\_ ; Furans \_\_\_\_\_ ; Other \_\_\_\_\_
- 16) Ash/Residue: \_\_\_\_\_ % of waste charged  
Proposed or present method of disposal of ash/residue: \_\_\_\_\_
- 17) For emission control equipment, use the appropriate CONTROL EQUIPMENT form and duplicate as needed. Be sure to indicate the emission unit that the control equipment is affecting.
- 18) Did construction, modification, or reconstruction commence after August 17, 1971?  
Yes \_\_\_\_\_; No \_\_\_\_\_  
If yes, and the charging rate is greater than 50 tons/day, this plant may be subject to NSPS, 40 CFR Part 60, Subpart E.
- 19) Did construction, modification, or reconstruction commence after December 20, 1989?  
Yes \_\_\_\_\_; No \_\_\_\_\_  
If yes, and the unit capacity is more than 250 tons, this plant may be subject to NSPS, 40 CFR 60, Subpart Ea.