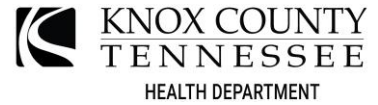
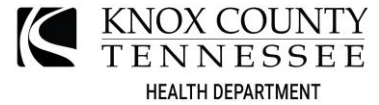


Knox County Department of Air Quality Management
 Non-Title V Permit Application
 APC-6 Form: Incinerator Source Data
 (Please Type or Print)



Please fill out a form for each incinerator						
1. Business information:					Air Quality Use Only	
Business license name of corporation, company, individual owner, or governmental agency under which the application is submitted						
2. Emission unit name:					Emission Unit Number	
3. Operating schedule:						
Hours per day	Days per week	Weeks per year	Days per year			
4. Percentage of yearly operation that occurs during the following quarters: (total must equal 100%)						
Dec-Jan-Feb	May-April-May	June-July-Aug	Sept-Oct-Nov			
5. Incinerator data:						
Incinerator manufacturer		Model number		Date constructed or last modified		
Type of waste burned (Use code from table on page 3 of this form)		Charge rate (lbs/hr)		Tons burned per year		
		Average	Design			
Incinerator type: <input type="checkbox"/> Single chamber <input type="checkbox"/> Multi-chamber <input type="checkbox"/> Refractory lined <input type="checkbox"/> Auxiliary burners						
Burner capacity (BTU/hr)		Air flow (ft ³ /min)		Does unit have controlled or starved air? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Primary	Secondary/Afterburner	Overfire	Underfire			
6. Auxiliary fuel data:						
Primary fuel type (specify)			Standby fuel type (specify)			
Fuels Used	Annual Usage	Hour Usage		% Sulfur	% Ash	BTU Value of Fuel
		Design	Average			
Natural Gas	10 ⁶ ft ³	ft ³	ft ³			1,020 BTU/ft ³
#2 Fuel Oil	10 ³ gal	gal	gal			
Liquid Propane	10 ³ gal	gal	gal			91,500 BTU/gal
Other (Specify type & units)						
Other (Specify type & units)						

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7. Exhaust stack data:				
Height above grade (ft)	Diameter (ft)	Temperature (°F)	Distance to nearest property line (ft)	
Data at exit conditions:	Flow (actual ft ³ /min)	Velocity (ft/sec)	Moisture (grains/ft ³)	Moisture (percent)
Data at standard conditions:	Flow (dry standard ft ³ /min)	Velocity (ft/sec)	Moisture (grains/ft ³)	Moisture (percent)

8. Air contaminants:
 Emission estimates for each air contaminant emitted from this point should be based on stack sampling results or engineering calculations. Calculations should be attached on a separate sheet.

Air Contaminant	Actual Emissions				Emission Estimate Method Code*	Control Devices*	Control Efficiency (%)
	Emissions (lbs/hr)		Concentration	Average Emissions (tons/yr)			
	Average	Maximum					
Particulate matter**			gr/dscft				
Sulfur dioxide (SO ₂)			PPM††				
Carbon monoxide (CO)			PPM††				
Volatile organic compounds (VOC)			PPM††				
Nitrogen oxides (NO _x)			PPM††				
Lead (Pb)							
Hydrogen fluoride (HF)							
Hydrogen chloride (HCl)							
Greenhouse gases (CO ₂ equivalents)							
Hazardous air pollutant (specify)							
Hazardous air pollutant (specify)							
Other (specify)							
Other (specify)							

* Refer to APC-1 Form: General Information for tables of estimation method and control device codes
 ** A valid stack test of particulate matter emissions from the manufacturer shall be included with the application
 † Exit gas particulate matter concentration units: grains/dry standard ft³ (70°F)
 †† Exit gas concentration units: Parts per million by volume (dry basis)

9. Compliance demonstration and monitoring/recording devices:	
Description of proposed monitoring and recordkeeping to assure compliance with emission limits. Include operating parameters of source and/or control device being monitored (e.g., opacity, temperature, etc.).	
Check all attached monitoring and recording devices:	<input type="checkbox"/> No monitor <input type="checkbox"/> Opacity monitor <input type="checkbox"/> Temperature gauge <input type="checkbox"/> Electronic data logger <input type="checkbox"/> Strip chart <input type="checkbox"/> Other (describe):
10. Comments	
11. Based upon information and belief formed after a reasonable inquiry, I certify that the information contained in this application is accurate and true to the best of my knowledge.	
Signature of responsible official	Date of application

Table of Codes for "Type of Waste Burned"

Principle Components, Usual Sources and Typical Moisture Content

Highly combustible waste, paper, wood, and cardboard cartons (including up to 10% treated papers, plastic, or rubber scraps) from commercial and industrial sources, 10% moisture	0
Combustible waste, paper, cartons, rags, wood scraps, and combustible floor sweepings from domestic, commercial, and industrial sources, 25% moisture	1
Rubbish and garbage from residential sources, 50% moisture	2
Predominately animal and vegetable waste from restaurants, hotels, markets, institutional, commercial, and club sources, 70% moisture	3
Carcasses, organs, and solid organic wastes from hospitals, laboratories, slaughterhouses, animal pounds, and similar sources, 85% moisture	4
Gaseous and semi-liquid industrial process waste, variable moisture (describe in detail under comments)	5
Solid and semi-solid industrial process waste, variable moisture (describe in detail under comments)	6