State of Tennessee
Department of Environment and Conservation
Division of Air Pollution Control
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Nashville, TN 37243
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NON-TITLE V PERMIT APPLICATION
INCINERATOR SOURCE DESCRIPTION

Please type or print and submit in duplicate for each emission source. Attach to the Non-Title V Facility Identification Form (APC 100).

GENERAL IDENTIFICATION AND DESCRIPTION

1. Organization name			For APC use only	APC Company – Point no.
2. Emission source no. (As on Non-Title V Facility Identification Form)				APC Log/Permit no.
3. Type of waste burned (Use code from table on back)	Charging rate (Pounds/Hour)			Tons burned per year
	Average	Design		
4. Incinerator manufacturer		Model number		Date installed
5. Incinerator type:	Single chamber	Multi-chamber	Refractory lined	Auxiliary burners

BURNER / FUEL INFORMATION

6. Burner data:	Burner capacity (BTU/Hour)		Air flow (CFM)	
	Primary	Secondary/Afterburn	Overfire	Underfire
	Does unit have controlled or starved air?		Yes ☐	No ☐
7. Auxiliary fuel data:	Primary fuel type (specify)		Standby fuel type (specify)	

Fuel	Annual usage	Hourly usage		% Sulfur content	% Ash content	BTU value of fuel
		Design	Average			
Natural gas	10^6 Cu. Ft.	Cu. Ft.	Cu. Ft.	/ / / /	/ / / /	BTU/Cu. Ft. 1,000
#2 Fuel oil	10^3 Gal.	Gal.	Gal.		/ / / /	
Liquid propane	10^3 Gal.	Gal.	Gal.	/ / / /	/ / / /	BTU/Gal. 85,000
Other (specify type & units)						

STACK INFORMATION

8. Stack or emission point data:	Height above grade (Ft.)	Diameter (Ft.)	Temperature (ºF)	Distance to nearest property line (Ft.)
Data at exit conditions	Flow (actual $Ft.^3$/Min.)	Velocity (Ft. /Sec.)		Moisture content (%)
Data at standard conditions	Flow rate (dry standard cubic feet per minute)			

(Over)

EMISSION INFORMATION							
9. Air contaminants	Emissions (Lbs./Hr.) Average	Maximum	Concentration	Average emissions (Tons/Yr.)	Emissions est. method (see Note 1)	Control devices (Note 1)	Control efficiency (%)
Particulate matter			Gr./DSCF (Note 3)				
Sulfur dioxide (SO_2)			PPM (Note 4)				
Carbon monoxide (CO)			PPM (Note 4)				
Organic compounds			PPM (Note 4)				
Nitrogen oxides (NO_X)			PPM (Note 4)				
Fluorides			PPM (Note 4)				
Greenhouse gases (CO_2 equivalents)							
Other (specify)							

10. Scrubber data:	Manufacturer & model number	Water flow (gallons/minute)	Scrubber pressure drop (inches of water)

Other control (specify and describe)

11. Indicate type(s) of monitoring and recording instruments which are installed/utilized:

Opacity monitor ☐ SO_2 monitor ☐ NO_X monitor ☐ Other (specify in comments) ☐

12. Comments

Note 1: Refer to the back of the Non-Title V Facility Identification Form (APC 100) for appropriate estimation method and control codes.
Note 2: A valid stack test of particulate matter emissions from manufacturer shall be included with application.
Note 3: Exit gas particulate matter concentration units: Grains/Dry Standard Ft^3 (at 70^0F)
Note 4: Exit gas concentration units: Parts per million by volume (Dry Basis)

Table of Codes for "Type of Waste Burned"

Principal Components, Usual Source 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