JEFFERSON COUNTY DEPARTMENT OF HEALTH
Environmental Health Services
Air and Radiation Protection Division
P.O. Box 2648, Birmingham, AL 35202 (205) 933-9110

Permit Application for Air Pollution Control Device

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Do not write in this space

1. Name of Facility _____

2. Type of Equipment. Please complete a separate application for each control device at your facility.

   ❒ Settling chamber ❒ ESP

   ❒ Afterburner ❒ Baghouse

   ❒ Cyclone ❒ Multiclone

   ❒ Absorber ❒ Adsorber

   ❒ Incinerator ❒ Wet scrubber

   ❒ Stage I vapor balance (specify) _____

   ❒ Other (specify) _____

3. Equipment Information:

   Name of manufacturer _____

   Model number _____

4. State the emission source or process this equipment controls:

   _____

   Existing JCDH Air Permit #_____

5. Equipment, Pollutant, and Emissions Data:

   Pollutants removed or destroyed. Please include the Chemical Abstract System (CAS) number for Hazardous Air Pollutants in the following spaces: _____ _____ _____

   Mass Emission Rate (lb/hr)

   Applicable Regulation(s) _____ _____ _____

   Design Specification _____ _____ _____

   Manufacturer's Guarantee _____ _____ _____

   Allowed by Regulation _____ _____ _____

   Uncontrolled (lb/hr) _____ _____ _____

Exit Concentration (grains/SCF)

Design Specification _____ _____ _____

Manufacturer's Guarantee _____ _____ _____

Removal Efficiency (%)

Design Specification _____ _____ _____

Manufacturer's Guarantee _____ _____ _____

6. Gas Conditions

	INLET	INTERMEDIATE LOCATIONS	OUTLET
Volume SCFM @ 68F, 29.92" HG	_____	_____	_____
Temperature (F)	_____	_____	_____
Velocity (ft/sec)	_____	_____	_____
Percent Moisture	_____	_____	_____
Pressure Drop (Inches water)	_____	_____	_____

7. Stack Dimensions

Height above grade (feet) _____

Diameter or equivalent diameter at Exit (feet) _____

UTM Coordinates: North_____ East _____

8. Draw a flow diagram which includes gas exit from process, each control device, location of by-pass, fan or blower, each emission point, exits for collected pollutants, and location of sampling ports.

9. Enclosed are:

❒ Blueprints

❒ Particle Size Distribution Report

❒ Manufacturer's Literature

❒ Size-Efficiency Curves

❒ Emissions Test of Existing Installation

❒ Fan Curves

❒ Other _____

10. Please provide a sketch of the device and how it is connected to the emission source.

11. List below the important operating parameters for the device. (For example: air/cloth ratio and fabric type, weight and weave for baghouse; throat velocity and water use rate for a Venturi Scrubber; etc.)

_____

_____

_____

_____

_____

12. By-Pass (if any) is to be used when: _____

_____

_____

13. Disposal of Collected Air Pollutants:

	Solid Waste	Liquid Waste
Volume		
Composition		
Is waste Hazardous?		
Method of Disposal		
Final Destination		

If collected air pollutants are recycled, describe:

14. Supporting documentation should be submitted if any of the following apply to this unit.

A. Monitoring devices are used to measure this source's operation.

B. Special operation or physical restrictions are being requested as a part of this application.

C. Performance tests or emission monitors are being used t demonstrate compliance. If a CEM is used, form ENV-AP-113 must be completed.

D. Recordkeeping or reporting requirements applicable to this emission source.

E. Liquid waste from paints and solvents are collected for proper disposal. Include a description of the liquid waste including the density and VOC content. The quantity of liquid waste in gallons per year should be provided.

Name of person preparing application _____

Position title_____ Company _____

Signature _____ Date _____