



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

PARTICULATE COLLECTION EQUIPMENT

- 1) Source ID Number: _____
- 2) Company/Source Name: _____
- 3) Particulate Collection Equipment identification number or designation: _____
- 4) What emission unit(s) or source(s) of emissions is(are) vented to the particulate collection equipment?
 - a. _____
 - b. _____
 - c. _____
 - d. _____
- 5) Description of pollutant(s) collected: _____
- 6) Type of collector: _____
- 7) Manufacturer: _____
Date of Manufacture: _____
Model No.: _____
Rated Control Efficiency: _____ %
Capture Efficiency: _____ %
Date of Installation: _____
- 8) Nominal Pressure Drop across collector: _____ inches of H₂O
- 9) Is there a device provided to measure pressure drop? _____
If yes, specify device: _____
- 10) Provide a manufacturer's brochure or other descriptive material of the equipment? _____

Cyclone

Diameter of round section: _____ in.; Length of round section: _____ in.;
Length of conical section: _____ in.; Dimensions of inlet: _____ in. x _____ in.

**PARTICULATE COLLECTION EQUIPMENT
(cont.)**

Electrostatic Precipitator

No. of stages: _____; Electrode area: _____ sq.ft.;
Wire in: Tube _____; Plate _____; Dry _____; Wet _____; Other _____
Gas Velocity: _____ ft. per sec.; Electrode potential: _____ volts;
Rapping Method: _____; Rapping Frequency: _____

Fabric Filter/Baghouse

Air to Cloth Ratio: _____ cu. ft./sq.ft.; Cloth Weight: _____ oz.;
Kind of Cloth: _____
Method of cleaning bags (air, mechanical, shaking, etc.): _____

Scrubber

Type: Venturi _____; Impingement _____; Orifice _____; Other _____
Liquid Flow Rate: _____ gpm; Scrubbing Solution: _____ pH;
Length of packing (if applicable): _____ in.

Complete the following questions pertaining to collection equipment:

- 11) Volume of air or gas to the atmosphere: _____ cfm

- 12) Air or gas discharge to atmosphere _____ ft. above grade through stack or duct _____ diameter at _____ °F temperature, with _____ cfm flow rate and _____ fps velocity.