

Form 13 - Spray Booths (Continued)

Type Control Device		
8. Type of pollution control device: <input type="checkbox"/> spray chamber (use gal/hr water) _____ <input type="checkbox"/> water curtain (use gal/hr water) _____ <input type="checkbox"/> dry filter pads (no.) _____ (size) ____X____ <input type="checkbox"/> other (explain) <input type="checkbox"/> automated replacement <input type="checkbox"/> manual replacement		
9. Method of spraying: <input type="checkbox"/> air atomization <input type="checkbox"/> disc <input type="checkbox"/> airless electrostatic <input type="checkbox"/> airless <input type="checkbox"/> air-atomized <input type="checkbox"/> powdered <input type="checkbox"/> other (describe)	10. _____% overspray	11. _____% efficiency
12. Description of items to be coated (shape and size)		
Emissions Calculations (PTE)		
13. Calculated emissions for this device: PM ₁₀ _____ Lbs/hr _____ Tons/yr PM _{2.5} _____ Lbs/hr _____ Tons/yr VOC _____ Lbs/hr _____ Tons/yr HAPs _____ Lbs/hr (speciate) _____ Tons/yr (speciate)		
Submit calculations as an appendix.		

Attach the following:

- (1) Material Safety Data Sheet for each coating or solvent.
- (2) An assembly drawing (plan and elevation) of the device dimensioned and to scale clearly showing the design size and shape.
- (3) Provide sheets showing VOC emission calculations and HAP specifications.

Instructions

- NOTE:
1. **Submit this form in conjunction with Form 1 and Form 2.**
 2. Call the Division of Air Quality (DAQ) at **(801) 536-4000** if you have problems or questions in filling out this form. Ask to speak with a New Source Review engineer. We will be glad to help!

1. The design maximum and average flow rate of the exhaust gas stream.
2. Exhaust stack temperature, stack height, stack diameter, and whether or not the flow is vertically restricted.
3. The amount of particulate released in the paint booth and exhaust gas in pounds per hour.
4. The type of coatings and maximum amount used in an hour and a year.
5. Chemical composition of VOCs and weight in percentage.
6. Maximum rate of use in pounds per hour.
7. Maximum rate of use in tons per year.
8. The type of control equipment you are using.
9. The method of spraying. Mark appropriate box.
10. The percent of paint that is lost in overspray.
11. The percent of efficiency for the equipment.
12. The approximate shape and size of the items being coated.
13. Supply calculations for all criteria pollutants and HAPs. Use AP42 or Manufacturers data to complete your calculations.