

South Carolina Department of Labor, Licensing and Regulation
Division of Labor
Office of Occupational Safety and Health
Columbia, South Carolina 29211

OSH Program Directive Number 76-1910.107-4 (AMENDED)

Subject: Citing for Exhaust Fans Located in Walls of Enclosed Rooms Provided for Spray Finishing Operations Using Flammable and Combustible Materials.

Standard: Article VI, Section 1910.107 (c) (6), (d) (5) and (d) (6), Rules and Regulations, Commissioner of Labor, State of South Carolina.

Cross Reference to Federal Standards: 29 CFR 1910.107 (d) (5) and (d) (6) only. [Note: Section 1910.107 (c) (6) differs from federal standard 29 CFR 1910.107(c) (6) in order for the State standards to incorporate new portion of NFPA-33, 1975 Edition.]

Background: There have been several inquiries as to the interpretation of Article VI, Section 1910.107 (c) (6) as applied to built-in wall exhaust fans used in paint spray rooms.

Spray rooms are defined by this Department as enclosed rooms used for spraying operations that are an integral part of the building as distinguished from spray booths that can be disassembled and relocated without changing the building structure or requiring the permanent removal of walls or ceilings. This definition meets the intent of the definition of a spray room stated in Article VI, Section 1910.94 (c) (1) (iii) but is more descriptive as to its structural composition.

Spray rooms may or may not utilize ducts within the ventilation system, but are commonly ventilated by only an exhaust fan located in exterior walls not utilizing a duct system.

Interpretation: In view of the above, the built-in wall exhaust fans must be approved for the hazardous locations in which they are located. Where such exhaust fans are enclosed in ducts, they shall meet the requirements of section 1910.107 (d) (5).

Such exhaust fans must meet the requirements of section 1910.107 (c) (6) of the State standards that require all electrical wiring and equipment (including motors) to conform to the provisions of Subpart S of Article VI for Class 1, Division 1, hazardous locations.

In addition all such exhaust fans must comply with Section 1910.107 (d) (6) where applicable.

Effective Date: This directive is effective upon receipt and will remain in effect until cancelled or superseded by amendment to the Regulation or Program Directive.

William M. Lybrand, Director
July 16, 1976