

Regulation No. 24 Control of Volatile Organic Compound Emissions

Section 11 - Mobile Equipment Repair and Refinishing.

11/11/01

a. Applicability.

1. This Section applies to any person who applies coatings, for the purpose of protection and/or beautification, to mobile equipment or mobile equipment components in the State of Delaware, except:
 - i. The surface coating process at any automobile assembly plant.
 - ii. Persons who do not receive compensation for the application of the coatings.
 - iii. The application of coatings sold in non-refillable aerosol cans.
1. Any person subject to the requirements of this Section shall be in compliance on or after October 31, 2003.
2. Any person who is currently subject to a state or federal rule promulgated pursuant to the Clean Air Act Amendments of 1977 by exceeding an applicability threshold is and shall remain subject to those provisions.
3. Compliance with the requirements of this section are in addition to all other state and federal requirements, to include the requirements of 40 CFR 59, Subpart B, "National Volatile Organic Compound Emission Standards for Automobile Refinish Coatings".

- a. Definitions. As used in this Section, all terms not defined herein shall have the meaning given them in the November 15, 1990 Clean Air Act Amendments (CAAA), or in Section 2 of Regulation 24.

"Airless Spray" means a spray coating method in which the coating is atomized by forcing it through a small nozzle at high pressure. The coating is not mixed with air before exiting from the nozzle opening.

"Electrostatic spray" means the application of charged atomized paint droplets that are deposited by electrostatic attraction.

"High Volume Low Pressure" or "HVLP" means a method of spraying a coating, that improves the transfer efficiency while maintaining the air pressure between 0.1 and 10 pounds per square inch gauge (psig).

"Mobile equipment" means any equipment that is physically capable of being driven or drawn upon a highway including, but not limited to, the following types of equipment: automobiles; trucks, truck cabs, truck bodies; buses; motorcycles; ground support vehicles, used in support of aircraft activities at airports; construction vehicles (such as mobile cranes, bulldozers, concrete mixers); farming equipment (such as wheel tractors, plows, and pesticide sprayers); hauling equipment (such as truck trailers, utility bodies, and camper shells); and miscellaneous equipment (such as street cleaners and golf carts).

b. Standards.

1. Any person subject to the requirements of this Section shall use only the following application techniques:
 - i. Any non-atomized application technique (e.g., Flow/curtain coating, Dip coating, Roller coating, Brush coating, Cotton-tipped swab application coating, Electrodeposition coating, etc.)
 - ii. High Volume Low Pressure (HVLP) spraying;
 - iii. Electrostatic spray;
 - iv. Airless spray;
 - v. Any other coating application technique that the person has demonstrated and the Department has determined achieves emission reductions equivalent to HVLP or electrostatic spray.

1. The following are exempt from the requirements of paragraph (c)(1) of this Section:
 - i. The use of airbrush application methods for graphics, stenciling, lettering, and other identification markings;
 - ii. The applications of coatings to cover finish imperfections equal to or less than 1 inch in diameter.

1. Spray guns used to apply coatings to mobile equipment or mobile equipment components shall be cleaned by one of the following methods:
 - i. Use of an enclosed spray gun cleaning system that is kept closed when not in use.
 - ii. The unatomized discharge of solvent into a paint waste container that is kept closed when not in use.
 - iii. The disassembly of the spray gun and cleaning in a vat that is kept closed when not in use.
 - iv. The atomized spray into a paint waste container that is fitted with a device designed to capture atomized solvent emissions.

1. Any person subject to the provisions of this Section shall implement the following housekeeping and pollution prevention measures:
 - i. Fresh and used coatings, solvent, and cleaning solvents shall be stored in non-absorbent, non-leaking containers. The containers shall be kept closed at all times except when filling or emptying.

- ii. Cloth and paper, or other absorbent applicators, moistened with coatings, solvents, or cleaning solvents shall be stored in closed, non-absorbent, non-leaking containers.
 - iii. Handling and transfer procedures shall minimize spills during the transfer of coatings, solvents, and cleaning solvents.
1. Any person subject to the requirements of this Section shall be trained in the proper use and handling of coatings, solvents and waste products in order to minimize the emission of air contaminants.
- i. Proof of training for any person subject to the requirements of this Section shall be maintained on the facility premises.
 - ii. Acceptable forms of training include equipment or paint manufacturer's seminars, classes, workshops, or any other training approved by the Department.