

15A NCAC 02D .0934 COATING OF MISCELLANEOUS METAL PARTS AND PRODUCTS

(a) For the purpose of this Rule, the following definitions apply:

- (1) "Heat sensitive material" means materials that cannot be exposed to temperatures greater than 180°F to 200°F.
- (2) "Air dried coating" means coatings which are dried by the use of air or a forced air drier.
- (3) "Clear coat" means a coating which lacks color and opacity.
- (4) "Extreme performance coatings" means coatings designed for harsh exposure or extreme environmental conditions.
- (5) "Extreme environmental conditions" means exposure to:
 - (A) the weather at all times;
 - (B) temperatures consistently above 203°F;
 - (C) detergents, scouring, solvents, or corrosive atmospheres; or
 - (D) other similar environmental conditions.

(b) This Rule applies to application areas, flashoff areas, ovens and other processes that are used in the coating of metal parts and products of the following types of manufacturing plants:

- (1) large farm machinery including harvesting, fertilizing and planting machines, tractors, combines, and other similar machines;
- (2) small farm machinery including lawn and garden tractors, lawn mowers, rototillers, and other similar machines;
- (3) small appliances including fans, mixers, blenders, crock pots, dehumidifiers, vacuum cleaners, and other similar machines;
- (4) commercial machinery including computers and auxiliary equipment, typewriters, calculators, vending machines, and other similar machines;
- (5) industrial machinery including pumps, compressors, conveyor components, fans, blowers, transformers, and other similar machines;
- (6) fabricated metal products including metal covered doors, frames and other similar structures; and
- (7) any other manufacturing plant that coats metal parts or products.

(c) This Rule does not apply to:

- (1) sources covered by Rules .0917, .0918, .0919, .0922, .0923, and .0924 of this Section;
- (2) architectural and maintenance coating;
- (3) coating of airplane exterior;
- (4) automobile refinishing;
- (5) customized coating of automobiles and trucks; or
- (6) exterior of marine vessels.

(d) With the exception stated in Paragraph (e) of this Rule, emissions of volatile organic compounds from any coating line subject to this Rule shall not exceed:

- (1) 10.3 pounds of volatile organic compounds per gallon of solids delivered to a coating applicator that applies clear coatings;
- (2) 6.7 pounds of volatile organic compounds per gallon of solids delivered to a coating applicator in a coating application system that utilized air or forced air driers;
- (3) 6.7 pounds of volatile organic compounds per gallon of solids delivered to a coating applicator that applies extreme performance coatings;
- (4) 5.1 pounds of volatile organic compounds per gallon of solids delivered to a coating applicator that applies coatings of five or more color changes or of five or more colors or applies the coating that is the first coat on untreated ferrous substrate; or
- (5) where there are less than five color changes and less than five colors are applied:
 - (A) 0.4 pounds of volatile organic compounds per gallon of solids delivered to a coating applicator that applies powder coatings; or
 - (B) 5.1 pounds of volatile organic compounds per gallon of solids delivered to a coating applicator for any other type of coating. Whenever more than one of the aforementioned emission limitations may apply to a process, then the least stringent emission limitation shall apply to the process.

(e) Any source which has chosen to control emissions of volatile organic compounds under Rule .0518(e) of this Subchapter and which has installed air pollution control equipment in accordance with an air quality permit in order to comply with this Rule before December 1, 1989, may comply with the limits contained in this Paragraph instead of those contained in

Paragraph (d) of this Rule. Emissions of volatile organic compounds from any coating line subject to this Rule shall not exceed:

- (1) 4.3 pounds of volatile organic compounds per gallon of coating, excluding water and exempt compounds, delivered to a coating applicator that applies clear coatings;
- (2) 3.5 pounds of volatile organic compounds per gallon of coating, excluding water and exempt compounds, delivered to a coating applicator in a coating application system that utilized air or forced air driers;
- (3) 3.5 pounds of volatile organic compounds per gallon of coating, excluding water and exempt compounds, delivered to a coating applicator that applies extreme performance coatings;
- (4) 3.0 pounds of volatile organic compounds per gallon of coating, excluding water and exempt compounds, delivered to a coating applicator that applies coatings of five or more color changes or of five or more colors or applies the coating that is the first coat on untreated ferrous substrate; or
- (5) where there are less than five color changes and less than five colors are applied:
 - (A) 0.4 pounds of volatile organic compounds per gallon of coating, excluding water and exempt compounds, delivered to a coating applicator that applies powder coatings; or
 - (B) 3.0 pounds of volatile organic compounds per gallon, excluding water and exempt solvents, delivered to a coating applicator for any other type of coating.

Whenever more than one of the aforementioned emission limitations may apply to a process, then the least stringent emission limitation shall apply to the process.

History Note: Authority G.S. 143-215.3(a)(1); 143-215.107(a)(5);
Eff. July 1, 1980;
Amended Eff. July 1, 1996; July 1, 1991; December 1, 1989; January 1, 1985.