

15A NCAC 02D .0923 SURFACE COATING OF LARGE APPLIANCE PARTS

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

- (1) "Application area" means the area where the coating is applied by spraying, dipping, or flow coating techniques.
- (2) "Coating" means paints, sealants, caulks, inks, adhesives, and maskants.
- (3) "Coating unit" means a unit that consists of a series of one or more coating applicators and any associated drying area or oven where a coating is dried, or cured.
- (4) "Large appliance part" means any organic surface-coated metal lid, door, casing, panel, or other interior or exterior metal part or accessory that is assembled to form a large appliance product.
- (5) "Large appliance product" means any organic surface-coated metal range, oven, microwave oven, refrigerator, freezer, washer, dryer, dishwasher, water heater, or trash compactor manufactured for household, commercial, or recreational use.

(b) This Rule applies to each large appliance coating unit source whose volatile organic compounds emissions exceed the threshold established in Paragraph (b) of Rule .0902 of this Section.

(c) Emissions of all volatile organic compounds from any large appliance coating unit subject to this Rule shall not exceed:

- (1) 2.3 pounds of volatile organic compounds per gallon of coating, excluding water and exempt compounds (3.3 pounds of volatile organic compounds per gallon of solids) delivered from general, one component coating or general, multi-component types of coating operations; and
- (2) 2.8 pounds of volatile organic compounds per gallon of coating, excluding water and exempt compounds (4.5 pounds of volatile organic compounds per gallon of solids) delivered from any other types of coating operations.

(d) EPA Method 24 (40 CFR Part 60, Appendix A-7) shall be used to determine the volatile organic compounds content of coating materials used at surface coating of large appliances parts facilities unless the facility maintains records to document the volatile organic compounds content of coating materials from the manufacturer.

(e) Emissions limits established in Subparagraph (c)(2) of this Rule do not apply to stencil coatings, safety-indicating coatings, solid film lubricants, electric-insulating and thermal-conducting coatings, touch up and repair coatings, coating applications utilizing hand-held aerosol cans, or any cleaning material.

(f) Any coating unit which has chosen to use add-on controls for coating operations rather than the emission limits established in Paragraph (c) of this Rule shall install control equipment with an overall control efficiency of 90 percent or use a combination of coating and add-on control equipment on a coating unit to meet limits established in Paragraph (c) of this Rule.

(g) The owner or operator of any facility subject to this Rule shall comply with the Rules .0903 and .0958 of this Section.

*History Note: Authority G.S. 143-215.3(a)(1); 143-215.107(a)(5);
Eff. July 1, 1979;*

Amended Eff. September 1, 2010; July 1, 1996; July 1, 1991; December 1, 1989; January 1, 1985.