

15A NCAC 02D .0966 PAPER, FILM AND FOIL COATINGS

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

- (1) "Paper, film, and foil coating line" means a series of coating applicators, flash-off areas, and any associated curing/drying equipment between one or more unwind/feed stations and one or more rewind/cutting stations.
- (2) "Flexographic coating" means that the area to be coated is delineated by a raised surface on a flexible plate.
- (3) "Rotary screen or flat screen coating" means the application of a coating material to a substrate by means of masking the surface and applying a color or finish using a screen either in flat form or rotary form.
- (4) "Rotogravure coating" means the application of a coating material to a substrate by means of a roll coating technique in which the pattern to be applied is etched on the coating roll. The coating material is picked up in these recessed areas and is transferred to the substrate.

(b) With the exception in Paragraph (c) of this Rule, this Rule applies to paper, film and foil surface coating operations sources, including related cleaning activity, whose emissions of volatile organic compounds exceed the threshold established in Paragraph (b) of Rule .0902 of this Section, at a facility that applies:

- (1) paper, film, or foil surfaces in the manufacturing of products for pressure sensitive tape and labels (including fabric coated for use in pressure sensitive tapes and labels; photographic film; industrial and decorative laminates; abrasive products (including fabric coated for use in abrasive products); and flexible packaging (including coating of non-woven polymer substrates for use in flexible packaging); and
- (2) coatings during coating applications for production of corrugated and solid fiber boxes; die-cut paper paperboard, and cardboard; converted paper and paperboard not elsewhere classified; folding paperboard boxes, including sanitary boxes; manifold business forms and related products; plastic aseptic packaging; and carbon paper and inked ribbons.

(c) The following types of coatings are not covered by this Rule:

- (1) coatings performed on or in-line with any offset lithographic, screen, letterpress, flexographic, rotogravure, or digital printing press; or
- (2) size presses and on machine coaters that function as part of an in-line papermaking system.

(d) With the exception stated in Paragraph (c) of this Rule, emissions of volatile organic compounds from:

- (1) pressure sensitive tape and label surface coating lines with the potential to emit, prior to controls, less than 25 tons per year of volatile organic compounds from coatings shall not exceed 0.20 pounds volatile organic compounds per pound of solids applied (0.067 pounds volatile organic compounds per pound of coating applied);
- (2) paper, film, and foil surface coating lines with the potential to emit, prior to controls less than 25 tons per year of volatile organic compounds from coatings shall not exceed 0.40 pounds of volatile organic compounds per pound of solids (0.08 pounds volatile organic compounds per pound of coating applied); and
- (3) The volatile organic compounds content limits shall be determined in accordance with Subparagraphs (c)(2) and (c)(3) of Rule .0912 of this Section.

(e) EPA Method 24 or 25A (40CFR Part 60, Appendix A-7) shall be used to determine the volatile organic compounds content of coating materials used at paper, film and foil coatings facilities unless the facility maintains records to document the volatile organic compounds content of coating materials from the manufacturer.

(f) Any individual paper, film, and foil coating line with the potential to emit, prior to controls, at least 25 tons per year of volatile organic compounds from coatings shall apply control with overall volatile organic compounds efficiency of 90 percent rather than the emission limits established in Paragraph (d) of this Rule or use a combination of coating and add-on control equipment on a coating unit to meet limits that are equivalent to 90 percent overall control efficiency.

(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. September 1, 2010.