

RULE 4652 COATINGS AND INK MANUFACTURING (Adopted May 21, 1992, Amended December 17, 1992)

1.0 Purpose

The purpose of this rule is to limit VOC emissions from coatings and ink manufacturing operations. The rule specifies the equipment designs, operational procedures, and the compliance schedule.

2.0 Applicability

The provisions of this rule shall apply to all coatings and ink manufacturing operations unless exempted under Section 3.0.

3.0 Exemptions

3.1 The provisions of this rule, except Section 6.2, shall not apply to a coatings and/or ink manufacturer who produces less than 50 gallons of coatings and/or ink in any one (1) day.

3.2 The provisions of Section 5.1 of this rule shall not apply to equipment while it is being used in the production of water-based coatings and/or paste inks.

3.3 The provisions of Sections 5.1 through 5.6 of this rule shall not apply to equipment used to produce coatings in vats with a volume of 12 gallons or less.

4.0 Definitions

4.1 Coatings Manufacturer: an establishment that mixes, blends, and/or compounds paints, varnishes, lacquers, enamels, shellacs, or sealers, and is classified as 2851 in the Standard Industrial Classification Manual.

4.2 Grinding Mills: mills with cylindrical chambers containing grinding media such as balls, pebbles, or sand that grind and disperse coating solids.

4.3 High Speed Dispersion Mill: a mixer with one or more blades that rotate at high speed in order to disperse coating solids.

4.4 Ink Manufacturer: an establishment that mixes, blends, and/or compounds printing inks and is classified as 2893 in the Standard Industrial Classification Manual.

4.5 Paste Ink: ink that contains, primarily, Magee oil and glycol as solvent.

4.6 Roller Mills: mills with horizontal rollers that grind and disperse coating solids.

- 4.7 Water-based Coating: any paint, varnish, lacquer, enamel, shellac, sealer, or ink that contains ten (10) percent or more, by weight, of water.

5.0 Requirements

A person shall not manufacture coatings and/or inks unless:

- 5.1 Except to add ingredients or to take samples, portable mixing vats are kept covered with lids that:
 - 5.1.1 Extend at least one-half (1/2) inch beyond the outer rim of the vat or are attached to the rim of the vat;
 - 5.1.2 Are maintained in good condition such that, when in place they maintain contact with the rim for at least 90 percent of the circumference of the rim of the vat; and
 - 5.1.3 May have a slit to allow clearance for insertion of a mixer shaft. The slit shall be covered after insertion of the mixer, except to allow safe clearance for the mixer shaft.
- 5.2 Stationary mixing vats are covered, except to add ingredients or take samples.
- 5.3 Portable mixing vat cleaning is done in a way which minimizes the emissions of VOCs into the atmosphere, and the cleaning method is approved by the APCO.
- 5.4 Stationary vat cleaning is done in a way which minimizes the emissions of VOC into the atmosphere and the cleaning method is approved by the APCO.
- 5.5 High speed dispersion mills, grinding mills, and roller mills are cleaned in a way which minimizes the emissions of VOC into the atmosphere and is approved by the APCO.
- 5.6 Grinding mills have fully enclosed screens.

6.0 Compliance Schedule

A coating and/or ink manufacturer shall:

- 6.1 Submit for District approval a description of the methods and equipment used to achieve compliance with Sections 5.3, 5.4, and 5.5 within 30 days after adoption of this rule;

- 6.2 Submit for District approval a description of the methods/limitations which will ensure qualification for exemption under Section 3.0 of this rule within 30 days after adoption of this rule;
- 6.3 Submit applications for new Authorities to Construct or Permits to Operate, as necessary, for new and modified equipment, involved in such methods within 30 days after adoption of this rule; and
- 6.4 Maintain records, including daily production records, substantiating compliance within 60 days after adoption of this rule; and
- 6.5 A coating and/or ink manufacturer shall operate under the approved conditions specified in the compliance plan and/or in permit applications, for compliance with Section 6.1 through 6.4 within 60 days after adoption of this rule.

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