

**REGULATION 8  
ORGANIC COMPOUNDS  
RULE 21  
RUBBER TIRE MANUFACTURING OPERATIONS**

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**REGULATION 8**  
**ORGANIC COMPOUNDS**  
**RULE 21**  
**RUBBER TIRE MANUFACTURING OPERATIONS**

(Adopted March 5, 1980)

**8-21-100 GENERAL**

**8-21-101 Description:** The purpose of this Rule is to limit emissions of volatile organic compounds (VOC) from pneumatic rubber tire manufacturing operations.

**8-21-110 Exemption, Retread Operations:** The requirements of this Rule shall not apply to operations applying new tread to used tires.

**8-21-200 DEFINITIONS**

**8-21-201 Approved Emission Collection System:** A system, approved by the APCO, for collecting VOC emissions and transporting them to a control device and which satisfies at least one of the following conditions:

201.1 The system collects at least 85 percent of the VOC emissions generated by the operation being controlled, or

201.2 The system achieves maximum reasonable collection consistent with good engineering practice and guidelines published by the American Federation of Industrial Hygienists and the National Institute of Occupational Safety and Health.

**8-21-202 Bead Dipping:** Dipping of an assembled tire bead into a solvent based cement.

**8-21-203 Green Tire Coating:** Coating of green tires with release compounds to help remove air during tire molding and prevent the tire from sticking to the mold after curing.

**8-21-204 Green Tires:** Assembled tires before molding and curing have occurred.

**8-21-205 Pneumatic Rubber Tire Manufacturing:** Production of pneumatic rubber tires for passenger cars, light trucks or medium trucks, or other pneumatic rubber tires manufactured on an assembly line using automated equipment.

**8-21-206 Tread End Cementing:** Application of a solvent based cement to the tire tread ends.

**8-21-207 Undertread Cementing:** Application of a solvent based cement to the underside of a tire tread.

**8-21-208 Water Based Coating:** Release compounds which contain less than 3 percent volatile organic compounds.

**8-21-300 STANDARDS**

**8-21-301 Cementing and Bead Dipping:** Effective April 1, 1982, a person shall not operate any under-tread cementing, tread and cementing or bead dipping operation unless the following requirements have been satisfied:

301.1 Install and operate an approved emission collection system, as defined in this Rule.

301.2 Install and operate a control device which reduces emissions from the collection system by at least 95 percent on a mass basis.

**8-21-302 Green Tire Coating:** Effective April 1, 1982, a person shall use only water base coatings in green tire coating operations unless the following requirements are satisfied:

302.1 Install and operate an emission collection system which collects and transports to the control device at least 90 percent (on a mass basis) of the VOC emitted by the green tire coating.

302.2 Install and operate a control device which reduces emissions from the collection system by at least 95 percent on a mass basis.

**8-21-303 Compensating Reductions:** The requirements of Sections 8-21-301 through 302 shall not apply to any pneumatic rubber tire manufacturing operations which comply with an alternative emission control plan which has been approved by the APCO and which satisfied all the following requirements.

- 303.1 Emissions of VOC, on a daily wighted average, be no greater than the amount which would result if the affected operations complied with all applicable requirements of Sections 8-21-301 through 302.
- 303.2 The plan shall be submitted to the APCO for review and approval on an annual basis.
- 303.3 The plan shall include methods acceptable to the APCO for demonstrating compliance with the plan on a daily basis. Such demonstration shall include the following:
  - 3.1 List of materials which will be used on each production line.
  - 3.2 Type of coatings or cements which will be applied
  - 3.3 Amount of those coatings or cements which will be applied.
  - 3.4 VOC content or equivalent emission for each coating or cement.
  - 3.5 Detailed description of compensating reductions to be achieved for each non-complying operation.
- 303.4 The information required in subsection 303.3 shall be available for inspection by the APCO on each production day.
- 303.5 The plan shall contain credit only for reductions achieved on coating or cementing operations subject to this Rule.
- 303.6 Failure to comply with any provision of an approved plan shall constitute a violation of this Rule.
- 303.7 The person submitting the plan shall maintain such records and submit such information on usage and composition, laboratory analysis, source tests or other information as required by the APCO to determine compliance with the plan.
- 303.8 The plan shall not include credit for emission reductions required by other sections of this regulation or other regulations of this District.
- 303.9 If any District regulation is adopted or mended after approval of the plan, which requires emission reductions which are included in the plan, a new plan shall be submitted which does to included credit for those reductions.

**8-21-304 Container Requirements:** Containers for organic solvents or for cements containing organic solvents shall be covered at all times except when cleaning or adding or removing material, and any leaks in such containers shall be repaired immediately.

#### **8-21-400 ADMINISTRATIVE REQUIREMENTS**

**8-21-401 Compliance Schedule:** Any person who is subject to the requirements of this Rule shall comply with the following increments of progress:

- 401.1 By April 1, 1981: Submit to the APCO a plan describing the methods to be used to comply with the applicable requirements.
- 401.2 By November 1, 1981: Submit a completed application for any Authority to Construct necessary to comply with the applicable requirements.
- 401.3 By April 1, 1982: Be in full compliance with all applicable requirements.

#### **8-21-600 MANUAL OF PROCEDURES**

**8-21-601 Determination of Emissions:** Emissions of volatile organic compounds as specified in Section 8-21-301, 302 and subsections 8-21-201.1 and 303.7 shall be measured as prescribed in the Manual of procedures, Volume IV, ST-7.

(Adopted March 17, 1982)