

Chapter 129 -- Standards for Sources

SOURCES OF VOCs

§129.69. Manufacture of pneumatic rubber tires.

(a) This section applies to pneumatic rubber tire manufacturing facilities. For purposes of this section, pneumatic rubber tire manufacturing means the production of pneumatic rubber passenger-type tires on a mass production basis. Passenger-type tires are agricultural, airplane, industrial, mobile home, light- or medium-duty truck or passenger vehicle tires with bead diameters up to 20 inches (50.8 centimeters) and cross-sectional dimensions up to 12.8 inches (32.5 centimeters). With prior written approval from the Department, the production of speciality tires for antique or other vehicles when produced on an irregular basis or with short production runs and when produced on equipment separate from normal production lines for passenger-type tires are exempt from the requirements of this section.

(b) The owner or operator of an undertread cementing, tread-end cementing or bead dipping operation subject to this section shall comply with the following:

(1) Install and operate a capture system designed to achieve maximum reasonable capture, of at least 85% by weight of VOC emitted, from undertread cementing, tread-end cementing and bead dipping operations. Maximum reasonable capture shall be consistent with the following documents:

(i) Industrial Ventilation, A Manual of Recommended Practices, 14th Edition, American Federation of Industrial Hygienists.

(ii) Recommended Industrial Ventilation Guidelines, United States Department of Human Services National Institute of Occupational Safety and Health.

(2) Install and operate a control device that meets the requirements of one of the following:

(i) A carbon adsorption system designed and operated in a manner so that there is at least a 95% removal of VOC by weight from the gases ducted to the control device.

(ii) An incineration system that oxidizes at least 90% of the nonmethane VOCs which enter the incinerator to carbon dioxide and water.

(c) The owner or operator of a greentire spraying operation subject to this section shall implement one of the following means of reducing VOC emissions:

(1) Substitute water-based sprays for the normal solvent-based mold release compound.

(2) Install a capture system designed and operated in a manner that will capture and transfer at least 90% of the VOC emitted by the green-tire spraying operation to a control device that meets the requirements in subsection (b)(2).

(d) Notwithstanding the provisions of this section, the Department may allow a pneumatic rubber tire manufacturing facility to implement permanent and enforceable measures, including recordkeeping and reporting requirements, which are approved by the Department and the EPA as reasonably available control technology.