

(1) One of the following major control devices is required:

(A) a properly sized refrigerated chiller; or,
 (B) a carbon adsorption system with ventilation equal to or greater than 50 cfm/ft² (15 m³/min per m²) of air/vapor area (when down-time covers are open) and exhausting less than 25 ppm of solvent by volume averaged over one complete adsorption cycle.

(2) A drying tunnel or other means such as a rotating (tumbling) basket if space is available, to prevent solvent liquid or vapor carry-out.

(3) A condenser flow switch and thermostat which will shut off sump heat if the condenser coolant is not circulating or if the condenser coolant discharge temperature exceeds the solvent manufacturer's recommendation.

(4) A spray safety switch which will shut off the spray pump if the vapor level drops more than four inches (10 cm).

(5) A vapor level control thermostat which will shut off the sump heat when the vapor level rises above the designed operating level.

(6) Entrances and exits which silhouette work loads so that the average clearance (between parts and edge of the degreaser opening) is either less than four inches (10 cm) or less than 10% of the width of the opening.

(7) Down-time covers shall be provided for closing off the entrance and exit during shutdown hours.

(8) A permanent, conspicuous, label summarizing the operating requirements in subsection (b) of this section.

(b) No person shall operate or maintain a system utilizing a volatile organic compound for the conveyORIZED cleaning of objects without complying with the following operating procedures:

(1) Exhaust ventilation for systems other than those which vent to a major control device shall not exceed 65 cfm/ft² (20 m³/min per m²) of degreaser opening, unless necessary to meet Occupational Safety and Health Administration requirements or unless a carbon adsorption system is installed as a major control device. Ventilation fans shall not be used near the degreaser opening.

(2) Parts shall be positioned so that maximum drainage is obtained.

(3) Vertical conveyor speed shall be maintained at less than 11 ft/min (3.3 m/min).

(4) Waste solvent shall not be disposed of or transferred to another party such that greater than 20% of the waste (by weight) can evaporate into the atmosphere. Waste solvent shall be stored only in covered containers.

(5) Leaks shall be repaired immediately or the degreaser shall be shut down.

(6) Water shall not be visibly detectable in the solvent exiting the water separator.

(7) Down-time covers shall be placed over entrances and exits of conveyORIZED degreasers immediately after the conveyor and exhaust are shut down and removed just before they are started up.

§115.175 (131.07.59.106). Exemptions.

(a) Degreasing operations located on any property which can emit when uncontrolled a combined weight of volatile organic compounds less than 550 pounds (250 kg) in any consecutive 24-hour period are exempt from the provisions of §§115.172-115.174 (.102-.104) of this title (relating to cold solvent cleaning, open-top vapor degreasing, and conveyORIZED degreasing).

(b) Degreasing operations located on any property in Harris County which when combined would emit when uncontrolled a combined weight of volatile organic compounds less than three pounds (1.4 kg) in any consecutive 24-hour period are exempt from the provisions of §§115.172-115.174 (.102-.104) of this title (relating to cold solvent cleaning, open-top vapor degreasing, and conveyORIZED degreasing).

(c) Any conveyORIZED degreaser with less than 20 ft² (2 m²) of air/vapor interface is exempt from the requirement of §115.174(a)(1) (.104(a)(1)) of this title (relating to conveyORIZED degreasing).

(d) Any open-top vapor degreaser with an open area less than 10 ft² (0.9 m²) is exempt from the refrigerated chiller or the carbon adsorber requirements in §115.173(a)(4)(B) and (D) (.103(a)(4)(B) and (D)) of this title (relating to open-top vapor degreasing).

(e) All affected persons in Ector County are exempt from the requirements of §115.172(a) (.102(a)) of this title (relating to cold solvent cleaning, §115.173(a) (.103(a)) of this title (relating to open-top vapor degreasing), and §115.174(a) (.104(a)) of this title (relating to conveyORIZED degreasing).

(f) An owner or operator who operates a remote reservoir cold solvent cleaner which uses solvent with a volatility equal to or less than 0.6 psia (4.1 kPa) measured at 100°F (38°C) and which has a drain area less than 16 in² (100 cm²) is exempt from §115.172 of this title (relating to cold solvent cleaning).

§115.176 (131.07.59.105). Counties and Compliance Schedule.

(a) The provisions of §115.171 (.101) of this title (relating to cutback asphalt) shall apply only within Bexar, Brazoria, Dallas, El Paso, Jefferson, Galveston, Harris, Nueces, Orange, and Tarrant Counties. All affected persons shall submit a final control plan to the Texas Air Control Board no later than December 31, 1980, and shall be in compliance with the rule as soon as practicable but no later than December 31, 1982.

(b) The provisions of §§115.172-115.174 (.102-.104) of this title (relating to cold solvent cleaning, open-top vapor degreasing, and conveyORIZED degreasing) shall apply only within Bexar, Brazoria, Dallas, Ector, El Paso, Galveston, Gregg, Harris, Jefferson, Nueces, Orange, Tarrant, and Victoria Counties. All affected persons shall submit a final control plan for compliance to the Texas Air Control Board no later than December 31, 1980, and shall be in compliance with these rules as soon as practicable but no later than December 31, 1982.

Doc. No. 805960

Surface Coating Processes in Bexar, Brazoria, Dallas, Ector, El Paso, Galveston, Gregg, Harris, Jefferson, Nueces, Orange, Tarrant, and Victoria Counties

These sections were proposed to be revised to add controls for two new surface coating categories. They have been adopted essentially as proposed, except for some minor wording changes, reordering, and renumbering of sections, and a change in the final compliance date from December 31, 1983, to December 31, 1982.

Section 115.192 (131.07.60.102), has been renumbered §115.194 (.102) and moved to the end of the subchapter for consistency with other subchapters of Regulation V. Section 115.193 (.103), the contents of which have not been changed, has been renumbered §115.192 (.103) to replace the old §115.192 (.102) which has been moved. Section 115.194 (.104) has been renumbered to §115.193 (.104).

These sections are adopted under the authority of Article 4477-5, Vernon's Annotated Texas Civil Statutes.

§115.191 (131.07.60.101). Emission Limitations. No person may cause, suffer, allow, or permit volatile organic compound emissions from the surface coating processes (defined in §101.1 (131.01.00.001, .002) of this title (relating to definitions) affected by paragraphs (1)-(10) of this section to exceed the specified emission limits which are based on a daily weighted average except for those in paragraph (10) which are based on paneling surface area.

(1)-(8) (No change.)

(9) Miscellaneous metal parts and products coating.

(A) Volatile organic compound emissions from the coating (prime and topcoat, or single coat) of miscellaneous

metal parts and products shall not exceed the following limits for each surface coating type:

(i) 4.3 pounds per gallon (0.52 kg/liter) of coating (minus water) applied as a clear coat;

(ii) 3.5 pounds per gallon (0.42 kg/liter) of coating (minus water) applied that utilizes air or forced-air driers;

(iii) 3.5 pounds per gallon (0.42 kg/liter) of coating (minus water) applied as an extreme performance coating; and

(iv) 3.0 pounds per gallon (0.36 kg/liter) of coating (minus water) applied for all other coating applications that pertain to miscellaneous metal parts and products.

(B) If more than one emission limitation in subparagraph (A) of this section applies to a specific coating, then the least stringent emission limitation shall be applied.

(C) All VOC emissions from solvent washings shall be considered in the emission limitations in paragraph (9)(A) of this section unless the solvent is directed into containers that prevent evaporation into the atmosphere.

(10) Factory surface coating of flat wood paneling. The following emission limits shall apply to each product category of factory-finished paneling (regardless of the number of coats applied):

Product Category	VOC Emission Limitation	
	Lb VOC/ 1000 ft ² of coated surface	kg VOC/100m ² of coated surface
printed interior wall panels made of hardwood plywood and thin particle- board (less than 1/4 inch (0.64 cm)) in thickness	6.0	2.9
natural finish hardwood plywood panels	12.0	5.8
hardboard paneling with Class II finish (ANSI Standard PS-59-73)	10.0	4.8

§115.192 (131.07.60.103). Control Techniques. If add-on controls such as incinerators or vapor recovery systems are used to comply with the emission limitation requirements, the volatile organic compound capture and abatement system shall be at least 80% efficient overall. All surface coating facilities shall submit design data for each capture system and emission control device which are proposed for use to the executive director for approval.

§115.193 (131.07.60.104). Exemptions.

(a) Surface coating operations located at any facility in Bexar, Brazoria, Dallas, Ector, El Paso, Galveston, Gregg, Jefferson, Nueces, Orange, Tarrant, or Victoria County, which when uncontrolled will emit a combined weight of volatile organic compounds less than 550 pounds (250 kg) in any consecutive 24-hour period are exempt from the provisions of §115.191 (.101) of this title (relating to emission limitations).

(b) Surface coating operations located at any facility in Harris County which when uncontrolled will emit a combined weight of volatile organic compounds less than 100 pounds (45 kg) in any consecutive 24-hour period are exempt from the provisions of §115.191 (.101) of this title (relating to emission limitations).

(c) Any surface coating operation which is located at an affected facility on any property in the counties listed in subsections (a) and (b) of this section are exempt from paragraphs (4), (5), and (6) of §115.191 (.101) of this title (relating to emission limitations) if such operation utilizes a web coating (printing) process in which the coating is not distributed uniformly across the web. This exemption applies to machines on which both coating and printing operations are performed.

(d) The following coating operations are exempt from the application of §115.191(9) (.101) of this title (relating to emission limitations):

- (1) exterior of airplanes;
- (2) automobile refinishing;
- (3) top coating of automobiles and trucks, if production is less than 35 vehicles per day; and
- (4) exterior of marine vessels.

(e) The following coating operations are exempt from the application of §115.191(10) (.101) of this title (relating to emission limitations):

- (1) the manufacture of exterior siding;
- (2) tileboard; or
- (3) particleboard used as a furniture component.

(f) All affected persons in Ector County are exempt from the requirements of §115.191(9) and (10) (.101) of this title (relating to emission limitations).

§115.194 (131.07.60.102). Compliance Schedule and Counties.

(a) All affected persons within Bexar, Brazoria, Dallas, Ector, El Paso, Galveston, Gregg, Harris, Jefferson, Nueces, Orange, Tarrant, and Victoria Counties shall be in compliance with §§115.191-115.194 (.101-.104) of this title (relating to surface coating processes in ozone nonattainment areas), except for §115.191(7)(B) and (8)(B) (.101(7)(B) and (8)(B)) of this title (relating to emission limitations), as soon as practicable but no later than December 31, 1982, and shall submit to the Texas Air Control Board a final control plan for compliance no later than December 31, 1979.

(b) All affected persons within the counties listed in subsection (a) of this section shall be in compliance with §115.191(7)(B) (.101(7)(B)) of this title (relating to emission limitations) as soon as practicable but no later than December 31, 1985, and shall submit to the Texas Air Control Board a final control plan for compliance no later than December 31, 1979.

(c) All affected persons within the counties listed in subsection (a) of this section shall be in compliance with §115.191(8)(B) (.101(8)(B)) of this title (relating to emission limitations) as soon as practicable but no later than December 31, 1986, and shall submit to the Texas Air Control Board a final control plan for compliance no later than December 31, 1979.

(d) All affected persons within the counties listed in subsection (a) of this section shall be in compliance with §115.191(9) and (10) (.101(9) and (10)) of this title (relating to emission limitations) as soon as practicable, but no later than December 31, 1982, and shall submit to the Texas Air Control Board a final control plan for compliance no later than December 31, 1980.

Doc. No. 805961

Pneumatic Rubber Tire Manufacturing Facilities in Bexar, Brazoria, Dallas, El Paso, Galveston, Gregg, Harris, Jefferson, Nueces, Orange, Tarrant, and Victoria Counties

The Texas Air Control Board has withdrawn from consideration for adoption §§115.211-115.213 because it has been determined that no sources subject to the provisions of these sections exist in Texas. The withdrawn proposed sections were published in the April 4, 1980, issue of the *Texas Register* (5 TexReg 1318).

Issued in Austin, Texas, on July 30, 1980.

Doc. No. 805963 Bill Stewart, P.E.
Executive Director
Texas Air Control Board

Filed: August 1, 1980, 1:57 p.m.

For further information, please call (512) 451-5711, ext. 354.

Pharmaceutical Manufacturing Facilities in Bexar, Brazoria, Dallas, El Paso, Galveston, Gregg, Harris, Jefferson, Nueces, Orange, Tarrant, and Victoria Counties

No comments were received on the sections as proposed, other than the compliance date. However, the TACB staff has revised the format to place all of the control requirements in §115.231 (relating to control requirements) for clarity and consistency with other rules, deleting the proposed §§115.232-115.235. No substantive changes were made in the control requirements themselves. Proposed §115.236 (relating to exemptions) has been moved to §115.232 and slightly reworded to account for the changes in section numbers. Proposed §115.237 (relating to compliance schedules and counties) has been moved to §115.233 and the final compliance date specified therein has been changed to December 31, 1982.