

Patricio Counties), and §115.81 of this title (relating to Exemption Qualification) on the effective date of this superseding regulation, which replaces Regulation V as adopted on April 10, 1973, and last modified on December 10, 1976.

(1)-(2) (No change.)

(3) All persons in Bexar County shall be in compliance with these subchapters as soon as practicable but no later than March 31, 1982.

Issued in Austin, Texas, on February 23, 1982.

TRD-821748 Bill Stewart, P.E.
Executive Director
Texas Air Control Board

Effective date: March 31, 1982
Proposal publication date: August 7, 1981
For further information, please call (512) 451-5711, ext. 354.

Storage of Volatile Organic Compounds in Brazoria, Dallas, El Paso, Galveston, Gregg, Harris, Jefferson, Nueces, Orange, Tarrant, and Victoria Counties

31 TAC §§115.101-115.106

The Texas Air Control Board adopts amendments to Chapter 115 with changes to the proposed text published in the August 7, 1981, issue of the *Texas Register* (6 TexReg 2875) and subsequently corrected in the August 14, 1981, issue of the *Texas Register* (6 TexReg 2994), concerning storage of volatile organic compounds in Brazoria, Dallas, El Paso, Galveston, Gregg, Harris, Jefferson, Nueces, Orange, Tarrant, and Victoria Counties. The text of §115.104 is modified to more clearly state under what circumstances records are to be kept and the type of information that shall be recorded.

The Texas Air Control Board amends these sections in order to: delete reference to Bexar County, delete an unnecessary column (Tank Type) from Tables I and II, make metric equivalents more accurately reflect metric conversion from English units, clarify the secondary seal requirements of §115.102 and the type of inspection required in §115.103, clarify the applicability of record keeping requirements in §115.104, specify the effective date of §115.104(4), and make other minor editorial changes. The deletion of controls in Bexar County is adopted because EPA has redesignated Bexar County from nonattainment to attainment.

There will be no substantive change in the way any of the rules will function. Since EPA has redesignated Bexar County as attainment, persons in Bexar County will have to continue to meet the requirements contained in the sections of Regulation V relating to certain counties in other than ozone nonattainment areas rather than come into compliance with the more stringent requirements for nonattainment areas.

Two comments were received concerning §115.104, one from Region VI of the U.S. Environmental Protection Agency and another from the City of Dallas Environmental Health and Conservation Department. Both noted that there was an apparent inconsistency in the revision to §115.104.

The wording of §115.104 as proposed would leave unclear under what circumstances records are to be kept and the type of information that shall be recorded. The wording of §115.104 has been changed to clarify the TACB's intent which was: to have records kept of the type of volatile organic compound stored and the average monthly true vapor pressure of certain external floating roof tanks exempted from secondary seal requirements, and to have records kept of the secondary seal inspection results required by §115.103 for certain floating roof tanks.

This agency hereby certifies that the rule as adopted has been reviewed by legal counsel and found to be a valid exercise of the agency's legal authority.

Ramon Dasch
February 23, 1982

These amendments are adopted under Texas Civil Statutes, Article 4477-5, §3.09(a), which provides the Texas Air Control Board with the authority to make rules and regulations consistent with the general intent and purposes of the Texas Clean Air Act and to amend any rule or regulation the TACB makes.

§115.101 (131.07.51.101). Control Requirements. No person shall place, store, or hold in any stationary tank, reservoir, or other container any volatile organic compound (VOC) with a true vapor pressure equal to or greater than 1.5 psia (10.3 kPa) unless such container is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere, or is equipped with at least the control device specified in Table I (for VOC other than crude oil and condensate), or Table II (for crude oil and condensate), a vapor recovery system, or any other control device which provides substantially equivalent control and is approved by the executive director.

§115.102 (131.07.51.102). Floating Roof Storage Tank Requirements. For floating roof storage tanks subject to the provisions of §115.101 of this title (relating to Control Requirements) the following requirements shall apply.

(1)-(4) (No change.)

(5) There shall be no visible holes, tears, or other openings in any seal or seal fabric.

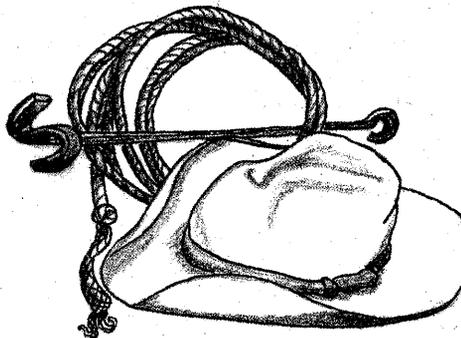


Table I.

REQUIRED CONTROL DEVICES FOR STORAGE TANKS FOR
VOC OTHER THAN CRUDE OIL AND CONDENSATE

True Vapor Pressure of Compound at Storage Conditions	Nominal Storage Capacity	Emission Control Requirements
< 1.5 psia (10.3 kPa)	Any	None
≥ 1.5 psia (10.3 kPa) and < 11 psia (75.8 kPa)	< 1,000 gal (3,785 L)	None
	> 1,000 gal (3,785 L)	Submerged fill pipe
	< 25,000 gal (94,635 L)	
	> 25,000 gal (94,635 L)	Internal or external floating roof (any type) or vapor recovery system
< 42,000 gal (158,987 L)		
≥ 11 psia (75.8 kPa)	> 42,000 gal (158,987 L)	Internal floating roof or External floating roof with primary seal (any type) and secondary seal or vapor recovery system
	< 1,000 gal (3,785 L)	None
	< 1,000 gal (3,785 l)	Submerged fill pipe, or vapor recovery system
≤ 25,000 gal (94,635 L)		
	> 25,000 gal (94,635 L)	Submerged fill pipe, and vapor recovery system

Table II.

REQUIRED CONTROL DEVICES FOR STORAGE TANKS
FOR CRUDE OIL AND CONDENSATE

True Vapor Pressure of Compound at Storage Conditions	Nominal Storage Capacity	Emission Control Requirements
< 1.5 psia (10.3 kPa)	Any	None
> 1.5 psia (10.3 kPa) and < 11 psia (75.8 kPa)	< 1,000 gal — (3,785 L)	None
	> 1,000 gal (3,785 L) < 42,000 gal — (158,987 L)	Submerged fill pipe
	> 42,000 gal (158,987 L)	Internal floating roof or External floating roof with primary seal (any type) <u>and</u> secondary seal or vapor recovery system
> 11 psia (75.8 kPa)	< 1,000 gal — (3,785 L)	None
	> 1,000 gal (3,785 L) < 42,000 gal — (158,987 L)	Submerged fill pipe
	> 42,000 gal (158,987 L)	Submerged fill pipe and vapor recovery system

(6) Secondary seals shall be of the rim-mounted type (the seal shall be continuous from the floating roof to the tank wall). The accumulated area of gaps that exceed 1/8 inch (0.32 centimeter) in width between the secondary seal and tank wall shall be no greater than 1.0 inches² per foot (21 centimeter²/meter) of tank diameter.

§115.103. Inspection Requirements. All secondary seals used to comply with the requirements of §115.101 of this title (relating to Control Requirements) shall be inspected annually to insure compliance with §115.102 (5)-(6) of this title (relating to Floating Roof Storage Tank Requirements).

(1) If the primary seal is vapor mounted, the secondary seal gap area shall be physically measured annually to insure compliance with §115.102 (6) of this title (relating to Floating Roof Storage Tank Requirements).

(2) If the tank is equipped with a metallic-type shoe or liquid-mounted primary seal, compliance with §115.102 (6) of this title (relating to Floating Roof Storage Tank Requirements) can be determined by visual inspection.

§115.104. Record Keeping Requirements. The owner or operator of any storage vessel with an external floating roof which is exempted from the requirement for a secondary seal as specified in §115.105 (6) of this title (relating to Exemptions) and used to store volatile organic compounds with a true vapor pressure greater than 1.0 psia (6.9 kPa) shall maintain records of the type of VOC stored and the average monthly true vapor pressure of the stored liquid. The results of yearly inspections required by §115.103 of this title (relating to Inspection Requirements) shall be recorded each year. All records shall be maintained for two years and be made available for review by authorized representatives of the Texas Air Control Board and/or local air pollution control agencies.

§115.105 (131.07.51.104). Exemptions. The following are exemptions to the requirements of §115.101 of this title (relating to Control Requirements) and §115.102 of this title (relating to Floating Roof Storage Tank Requirements).

(1) Crude oil and condensate, prior to custody transfer, are exempt from all provisions of §115.101 of this title (relating to Control Requirements) if stored in tanks with a nominal capacity less than 210,000 gallons (794,936 liters).

(2) (No change.)

(3) Storage containers which have a capacity of less than 25,000 gallons (94,635 liters) located at motor vehicle fuel dispensing facilities are exempt from the requirements of §115.101 of this title (relating to Control Requirements).

(4) A welded tank with a metallic-type shoe primary seal which has a secondary seal from the top of the shoe seal to the tank wall (a shoe-mounted secondary seal) is exempt from the requirements of §115.101 of this title (relating to Control Requirements) for retrofit with a rim-mounted secondary seal if the shoe-mounted secondary seal is installed or scheduled for installation before August 22, 1980.

(5) (No change.)

(6) Any welded tank storing volatile organic compounds having a true vapor pressure less than 4 psia

(27.6 kPa) is exempt from any external secondary seal requirement of §115.101 of this title (relating to Control Requirements) if any of the following types of primary seals have been installed before August 22, 1980:

(A)-(C) (No change.)

§115.106 (131.07.51.105). Counties and Compliance Schedules.

(a) The provisions of §115.101 of this title (relating to Control Requirements), §115.102 of this title (relating to Floating Roof Storage Tank Requirements), §115.103 of this title (relating to Inspection Requirements), and §115.104 of this title (relating to Record Keeping Requirements), shall apply to Brazoria, Dallas, El Paso, Galveston, Gregg, Harris, Jefferson, Nueces, Orange, Tarrant, and Victoria Counties.

(b)-(c) (No change.)

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TRD-821749 Bill Stewart, P.E.
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For further information, please call (512) 451-5711, ext. 354.

The Texas Air Control Board adopts amendments to Chapter 115 without changes to the proposed text published in the August 7, 1981, issue of the *Texas Register* (6 TexReg 2871) and subsequently corrected in the August 14, 1981, issue (6 TexReg 2994) for the following undesignated heads and sections.

Facilities for Loading and Unloading of Volatile Organic Compounds in Brazoria, Dallas, El Paso, Galveston, Gregg, Harris, Jefferson, Nueces, Orange, Tarrant, and Victoria Counties
§115.111, §115.113

Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities in Brazoria, Dallas, Galveston, Harris, and Tarrant Counties
§§115.131-115.135

The Texas Air Control Board amends the designated heads and sections listed above to add Bexar County to the Regulation V sections relating to certain counties in other than ozone nonattainment areas and to delete Bexar County from the Regulation V sections relating to ozone nonattainment counties. This action results from EPA redesignation of Bexar County from nonattainment to attainment. In addition, the TACB adopts several minor administrative changes to the subchapters listed above which make metric equivalents more accurately reflect metric conversion from English units and other minor editorial changes.

There will be no substantive change in the way any of the rules will function. Since EPA has redesignated Bexar County as attainment, persons in Bexar County will have to continue to meet the requirements contained in the sections of Regulation V relating to certain counties in other than ozone nonattainment areas rather than come into compliance with the more stringent requirements for ozone nonattainment areas.

One comment was received concerning the undesignated heads and sections listed above. Region