

Record Keeping Requirements) shall submit a final control plan for compliance no later than December 31, 1979, and shall be in compliance as soon as practicable but no later than December 31, 1982, with the exception noted in subsection (c) of this section.

(c) All persons required by §115.101 of this title (relating to Control Requirements) to retrofit tanks with secondary seals shall submit a final control plan to the Texas Air Control Board no later than December 31, 1980, and shall be in compliance as soon as practicable but no later than December 31, 1982, with 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).

This agency hereby certifies that the proposal has been reviewed by legal counsel and found to be within the agency's authority to adopt.

Issued in Austin, Texas, on June 4, 1982.

TRD-824691 Bill Stewart, P.E.
Executive Director
Texas Air Control Board

Proposed date of adoption: July 14, 1982
For further information, please call (512) 451-6711,
ext. 354.

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

31 TAC §115.111, §115.113

The Texas Air Control Board proposes amendments to §115.111, concerning throughput and control requirements, and §115.113, concerning compliance schedule and counties. In §115.111, the proposed amendments will affect gasoline terminals in Harris County with a daily throughput of 500,000 gallons or more. The affected terminals will be required to reduce emissions of volatile organic compound (VOC) vapors to a level not to exceed 0.33 pounds of VOC per 1,000 gallons of gasoline transferred, approximately half the emission rate presently allowed after December 31, 1982. In §115.113, proposed amendments add a final compliance date of December 31, 1986, and final control plan submittal date of December 31, 1983, for the new control requirements of §115.111 that apply to affected gasoline terminals in Harris County.

These proposed amendments are part of a series of draft revisions to Chapter 115 to provide in Harris County the additional VOC emissions reductions needed to satisfy U.S. Environmental Protection Agency (EPA) requirements for 1982 State Implementation Plan (SIP) revisions. These amendments are based on technical information contained in the Ra-

dian Corporation report, "Assessment of the Feasibility and Costs of Controlling VOC Emissions from Stationary Sources in Harris County, Texas," submitted to the Texas Air Control Board September 11, 1981.

Bennie Engelke, deputy director for administrative services, has determined that for the first five-year period the rule will be in effect, there will be no fiscal implications to either state or local government as a result of enforcing or administering the proposed amendment.

Roger Wallis, deputy director for standards and regulations, has determined that for each year of the first five years the rule as proposed is in effect, the public benefit anticipated as a result of enforcing the rule will be improved air quality as a result of a reduction of 1,666 tons per year of VOC emissions in Harris County after December 31, 1986. In addition, these and other VOC emission reductions proposed elsewhere will help satisfy EPA requirements for 1982 SIP's and help to avoid possible growth sanctions in Harris County. The economic cost (credit) to individuals who are required to comply with the rules as proposed will be zero for 1983; \$16,000-\$35,000 for 1984; \$53,000-\$114,000 for 1985; \$116,000-\$251,000 for 1986; and (\$32,000)-\$7,000 for 1987 for each facility affected, adjusting for 10% annual inflation. For the 15 facilities affected by the proposed rule change, the net annualized cost will be \$550,000-\$2,330,000 in February 1981 dollars.

The amendments are proposed under Texas Civil Statutes, Article 4477-5, 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 Texas Air Control Board makes.

§115.111. Throughput and Control Requirements. No person shall permit the loading or unloading to or from any facility having 20,000 gallons (75,708 liters) or more throughput per day (averaged over any consecutive 30-day period) of volatile organic compounds with a true vapor pressure equal to or greater than 1.5 psia (10.3 kPa) under actual storage conditions, unless the following emission control requirements are met by the dates specified in §115.113 of this title (relating to Compliance Schedule and Counties):

- (1) (No change.)
- (2) Gasoline terminal size and additional emission control requirements are as follows:

(A) Volatile organic compound vapors from gasoline terminals shall be reduced to a level not to exceed 0.67 pounds of volatile organic compounds per 1,000 gallons (80 mg/liter) of gasoline transferred.

(B) Volatile organic compound vapors from gasoline terminals located in Harris County and having 500,000 gallons (1,892,706 liters) or more throughput per day (averaged over any consecutive 30-day period) shall be reduced to a level not to exceed 0.33 pounds of volatile organic compounds per 1,000 gallons (40 mg/liter) of gasoline transferred.

- (C) Prior to December 31, 1982, affected

gasoline terminals other than those located in Gregg County shall remain in compliance with paragraph (1) of this section.

(D) After December 31, 1982, but before December 31, 1986, gasoline terminals located in Harris County and affected by paragraph (2)(B) of this section shall remain in compliance with paragraph (2)(A) of this section.

(3)-(5) (No change.)

§115.113. *Compliance Schedule and Counties.* All affected persons in the counties and for the facilities specified below shall be in compliance with the rule paragraphs specified below as soon as practicable but no later than the date shown.

(See Table 2 following this chapter.)

This agency hereby certifies that the proposal has been reviewed by legal counsel and found to be within the agency's authority to adopt.

Issued in Austin, Texas, on June 4, 1982.

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Executive Director
Texas Air Control Board

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Water Separation in Brazoria, Dallas, El Paso, Galveston, Gregg, Harris, Jefferson, Nueces, Orange, Tarrant, and Victoria Counties

31 TAC §§115.141, 115.142, 115.144

The Texas Air Control Board proposes amendments to §§115.141, 115.142, and 115.144, contained under the undesignated heading Water Separation in Brazoria, Dallas, El Paso, Galveston, Gregg, Harris, Jefferson, Nueces, Orange, Tarrant, and Victoria Counties.

The amendments to §115.141, concerning facilities other than petroleum refineries, and §115.142, concerning petroleum refineries, will exempt certain volatile organic compound (VOC) water separators on the basis of gallons of VOC separated rather than on the volume of VOC received in order to facilitate measurements to determine compliance. Other amendments to §115.142 are proposed to remove the exemption for separators handling VOC material having a true vapor pressure of less than 0.5 psia (3.4 kPa). Measurement of the true vapor pressure of such low vapor pressure VOC material has been difficult, hampering enforcement by compliance personnel. However, the anticipated reductions in VOC emissions are not expected to be cost effective. If testimony is received concerning a reliable method to measure the true vapor pressure of the low vapor pressure VOC material separated that will be acceptable to com-

pliance personnel, the Texas Air Control Board will not adopt this proposed amendment.

In §115.144, concerning compliance schedule and counties, proposed amendments add a final compliance date of December 31, 1986, and final control plan submittal date of December 31, 1983, for those VOC water separators previously exempted. Additional minor editorial changes are also proposed.

Bennie Engelke, deputy director for administrative services, has determined that for the first five-year period the rule will be in effect, there will be no fiscal implication to state or local government as a result of enforcing or administering the rule.

Roger Wallis, deputy director for standards and regulations, has determined that for each year of the first five years the rule as proposed is in effect, the public benefit anticipated as a result of enforcing the rule as proposed will be the ability to enforce compliance on an equal basis. The economic cost to individuals who are required to comply with the rule as proposed is none in 1983; \$14,000 in 1984; \$42,000 in 1985; \$83,000 in 1986; and \$20,000 in 1987, on the basis of cost per typical VOC water separator.

This amendment is proposed under Texas Civil Statutes, Article 4477-5, 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 Texas Air Control Board makes.

§115.141. *Facilities Other Than Petroleum Refineries.* No person shall use any compartment of any single or multiple compartment volatile organic compound water separator, which compartment separates [receives] 200 gallons (757 liters) or more a day of volatile organic compounds [a day] having a true vapor pressure equal to or greater than 1.5 psia (10.3 kPa) from any equipment in a facility other than a petroleum refinery which is processing, treating, storing, or handling volatile organic compounds, unless such compartment is controlled in one of the following ways.

(1)-(3) (No change.)

§115.142. *Petroleum Refineries.* No person shall use any compartment of any single or multiple compartment volatile organic compound water separator, which compartment separates [receives] 200 gallons (757 liters) or more a day of volatile organic compounds [a day] having a true vapor pressure of 0.5 psia (3.4 kPa) or greater from any equipment in a petroleum refinery which is processing, refining, treating, storing, or handling volatile organic compounds, unless such compartment is controlled in one of the following ways.

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

§115.144. *Compliance Schedule and Counties.* All persons in the counties listed as follows will be in compliance with the provisions of §115.141 of this title (relating to Facilities Other Than Petroleum Refineries) and §115.142 of this title (relating to Petroleum

Table 2

Rule Paragraphs	Affected Facility	Counties Where Rule Is Applicable	Final Compliance Date	Final Control Plan Submittal Date
Paragraphs (1) and (3) of §115.111 of this title (relating to Throughput and Control Requirements).	Volatile Organic Compound Loading Facilities	Brazoria, Dallas, El Paso, Galveston, Harris, Jefferson, Nueces, Orange, and Victoria.	12/31/73	Previously Submitted
		Tarrant	2/29/80	Previously Submitted
Paragraphs (2)(A), (2)(C), and (3) of §115.111 of this title (relating to Throughput and Control Requirements).	Gasoline Terminals	Brazoria, Dallas, El Paso, Galveston, Gregg, Harris, Jefferson, Orange, Nueces, Tarrant, and Victoria.	12/31/82	12/31/79
Paragraph (4) of §115.111 of this title (relating to Throughput and Control Requirements).	Gasoline Terminals	Brazoria, Dallas, El Paso, Galveston, Gregg, Harris, Jefferson, Nueces, Orange, Tarrant, and Victoria.	12/31/82	7/1/81

Table 2 (continued)

Rule Paragraphs	Affected Facility	Counties Where Rule Is Applicable	Final Compliance Date	Final Control Plan Submittal Date
Paragraph (5) of §115.111 of this title (relating to Throughput and Control Requirements).	Gasoline Terminals	Harris	12/31/82	7/1/81
<u>PARAGRAPHS (2)(B) AND (2)(D) OF §115.111 OF THIS TITLE (RELATING TO THROUGHPUT AND CONTROL REQUIREMENTS)</u>	<u>GASOLINE TERMINALS >500,000 GAL/DAY THROUGHPUT</u>	<u>HARRIS</u>	<u>12/31/86</u>	<u>12/31/83</u>

Table 3

Rule	Counties Where Rule Is Applicable	Final Compliance Date	Final Control Plan Submittal Date
§115.141 of this title (relating to Facilities Other Than Petroleum Refineries)	Brazoria Dallas, El Paso, Galveston, Harris, Jefferson, Nueces, Orange and Victoria	12/31/73	Previously Submitted
	Tarrant	2/29/80	Previously Submitted
§115.142 of this title (relating to Petroleum Refineries) FOR SEPARATORS SEPARATING VOC WITH A TRUE VAPOR PRESSURE <u>≥ 0.5</u> PSIA	Brazoria, Dallas, El Paso, Galveston, Gregg, Harris, Jefferson, Nueces, Orange, Tarrant and Victoria	12/31/82	12/31/79
§115.142 OF THIS TITLE (RELATING TO PETROLEUM REFINERIES) FOR SEPARATORS SEPARATING VOC WITH A TRUE VAPOR PRESSURE <u>< 0.5</u> PSIA	BRAZORIA, DALLAS, EL PASO, GALVESTON, GREGG, HARRIS, JEFFERSON, NUECES, ORANGE, TARRANT, AND VICTORIA	<u>12/31/86</u>	<u>12/31/83</u>