

**§115.102 (131.07.51.102). Floating Roof Storage Tank Requirements.** For floating roof storage tanks subject to the provisions of §115.101 (.101) of this title (relating to control requirements), the following requirements shall apply:

(1)-(5) (No change.)

(6) For secondary-seals, the seal shall be continuous from the floating roof to the tank wall (rim-mounted secondary seal), with an accumulated area of gaps that exceed 1/8-inch (0.3 cm) in width between the secondary seal and tank wall no greater than 1.0 inch<sup>2</sup> per foot (21.2 cm<sup>2</sup>/meter) of tank diameter.

**§115.103. Inspection Requirements.** The following inspection requirements apply to secondary seals required by §115.101 (.101) of this title (relating to control requirements):

(1) all secondary seals shall be inspected annually to insure compliance with §115.102(5) (.102(5)) of this title (relating to floating roof storage tank requirements).

(2) If the primary seal is vapor mounted, secondary seal gap measurements shall be conducted annually to insure compliance with §115.102(6) (.102(6)) of this title (relating to floating roof storage tank requirements).

**§115.104. Record Keeping Requirements.** The owner or operator of any storage vessel with an external floating roof used to store petroleum liquids with a true vapor pressure of 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, as well as the results of any inspections required by §115.103 of this title (relating to inspection requirements). Records shall be maintained for two years and be made available for review by authorized representatives of the Texas Air Control Board and/or pollution control agencies.

**§115.105 (131.07.51.104). Exemptions.** The following are exemptions to the requirements of §§115.101 and 115.102 (.101, .102) of this title (relating to required control devices and floating roof storage tank requirements):

(1) Crude oil and condensate, prior to custody transfer, are exempt from all provisions of §115.101 (.101) of this title (relating to control requirements) if stored in tanks with a nominal capacity less than 210,000 gallons (795,000 liters).

(2) Slotted sampling and gauge pipes installed in any floating roof storage tank are exempt from the provisions of §115.102(1) (.102(1)) of this title (relating to floating roof storage tank requirements).

(3) Storage containers which have a capacity of less than 25,000 gallons (95,000 liters) located at motor vehicle fuel dispensing facilities are exempt from the requirements of §115.101 (.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 (.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 the effective date of this section.

(5) External floating roof tanks storing waxy, high pour point crude oils are exempt from any secondary seal requirements of §115.101 (.101) of this title (relating to control requirements).

(6) All persons in Ector County are exempt from any double seal requirement of §115.101 (.101) of this title (relating to control requirements).

**§115.106 (131.07.51.105). Counties and Compliance Schedules.**

(a) The provisions of §§115.101-115.104 (.101, .102) of this title (relating to control requirements, floating roof storage tank requirements, inspection requirements, and record keeping requirements) shall apply to Bexar, Brazoria, Dallas, Ector, El Paso, Galveston, Gregg, Harris, Jefferson, Nueces, Orange, Tarrant, and Victoria Counties.

(b) All persons affected by §115.101 (.101) of this title (relating to control 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.

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Doc. No. 805956 Bill Stewart, P.E.  
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## Facilities for Loading and Unloading of Volatile Organic Compounds in Bexar, Brazoria, Dallas, Ector, El Paso, Galveston, Gregg, Harris, Jefferson, Nueces, Orange, Tarrant, and Victoria Counties

The proposed §115.111(2) (131.07.52.101(2)) included a new vapor-tightness requirement which was added by reference to proposed §§115.261-115.265. As a result of evaluation of the public hearing comments and further TACB consideration, these rules have been specifically listed in §115.111 (.101). The new requirements have been added in §115.111 (.101)(4) and (5) and concern vapor recovery requirements and tank-truck tank leak test certification. The December 31, 1983, compliance date has also been changed to December 31, 1982, in §115.113 (.104) for paragraphs (4) and (5) of §115.111 (.101).

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

**§115.111 (131.07.52.101). Throughput and Control Requirements.** No person shall permit the loading or unloading to or from any facility having 20,000 gallons (75,700 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 (.104) of this title (relating to compliance schedule and counties):

(1) (No change.)

(2) 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. Prior to December 31,

1982, affected gasoline terminals other than those located in Ector or Gregg Counties shall remain in compliance with paragraph (1) of this section.

(3) When loading or unloading is effected through the hatches of a tank truck or trailer or railroad tank car with a loading arm equipped with a vapor collection adapter, pneumatic hydraulic, or other mechanical means shall be provided to force a vapor-tight seal between the adapter and the hatch. A means shall be provided to prevent liquid drainage from the loading device when it is removed from the hatch of any tank truck, trailer, or railroad tank car, or to accomplish complete drainage before such removal. When loading or unloading is effected through means other than hatches, all loading and vapor lines shall be:

(A) equipped with fittings which make vapor-tight connections and which close automatically when disconnected; or

(B) equipped to permit residual volatile organic compounds in the loading line to discharge into a recovery or disposal system after loading is complete. All gauging and sampling devices shall be vapor-tight except for necessary gauging and sampling.

(4) Vapor recovery systems and loading equipment at gasoline terminals must be designed and operated to meet the following conditions:

(A) gauge pressure must not exceed 18 inches of water (4.5 kPa) and vacuum must not exceed six inches of water (1.5 kPa) in the gasoline tank truck;

(B) no VOC leaks shall produce readings equal to or greater than 100% of the lower explosive limit (LEL, measured as propane) at one inch (2.5 cm) from all points on the perimeter of any potential leak source when measured with a portable combustible gas detector; and

(C) no avoidable liquid leaks exist during loading and unloading operations.

(5) Gasoline tank-truck tanks being loaded in Harris County must have been leak tested within one year as evidenced by prominently displayed certification, affixed near the DOT certification plate.

*§115.113 (131.07.52.104). Compliance Schedule and Counties.* All affected persons in the counties and for the facilities specified below shall be in compliance with the section paragraphs specified below as soon as practicable but not later than the date shown:

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	Bexar, Brazoria, Dallas, El Paso, Galveston, Harris, Jefferson, Nueces, Orange, and Victoria.	12/31/73	Previously Submitted
		Tarrant	2/29/80	Previously Submitted

Rule Paragraphs	Affected Facility	Counties Where Rule Is Applicable	Final Compliance Date	Final Control Plan Submittal Date
Paragraphs (2) and (3) of §115.111 of this title (relating to Throughput and Control Requirements).	Gasoline Terminals	Bexar, Brazoria, Dallas, Ector, 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	Bexar, Brazoria, Dallas, Ector, El Paso, Galveston, Gregg, Harris, Jefferson, Nueces, Orange, Tarrant, And Victoria	12/31/82	7/1/81
Paragraph (5) of §115.111 of this title (relating to Throughput and Control Requirements).	Gasoline Terminals	Harris	12/31/82	7/1/81

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