

## Gasoline Bulk Plants in Harris County.

The gasoline bulk plant proposed regulation revision included, by reference to §§115.261-115.265, specific control measures for vapor recovery systems and gasoline tank-truck tanks. As a result of the public hearing evaluation, a decision to specifically list the additional controls within the text of the bulk plant regulation appeared feasible and the following major changes are listed in the rewritten regulation:

(1) The control measures in §115.121(a) (131.07.53.101(a)) are now itemized in separate paragraphs for improved clarity and reference identity.

(2) The control measures in §115.121(b) (.101(b)) are also itemized in separate paragraphs with the additional controls listed in paragraphs (1), (5), and (6) of this subsection (b).

(3) The compliance schedule in §115.123 (.103) has been revised because of the additional control measures. The 1983 final compliance date which was proposed by reference to §§115.261-115.265 has been changed to December 31, 1982.

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

### §115.121 (131.07.53.101). Control Requirements.

(a) No person shall permit the transfer of gasoline from a transport vessel into a gasoline bulk plant storage tank unless the following requirements are met:

(1) A vapor return line is installed from the storage tank to the transport vessel.

(2) There are no leaks in the transfer system, which includes liquid lines, vapor lines, hatch covers, and pumps, or in the transport vessel's pressure-vacuum relief valves.

(3) The only atmospheric emission during gasoline transfer is through the storage tank's pressure-vacuum relieve valve.

(4) The maximum loss of volatile organic compounds due to product transfer is 1.2 pounds per 1,000 gallons (140 mg/liter) of gasoline transferred.

(5) All gauging and sampling devices are vapor-tight except during necessary gauging and sampling.

(6) The transport vessel is kept vapor-tight at all times (except when gauging) until the captured vapors are discharged properly during the transport vessel's next refill.

(b) No person shall permit the transfer of gasoline from a gasoline bulk plant into a delivery tank-truck tank unless the following requirements are met:

(1) The tank-truck tank has been leak-tested within one year as evidenced by a prominently displayed certification affixed near the DOT certification plate.

(2) The tank-truck tank, if equipped for top loading, has a submerged fill pipe.

(3) There are no gasoline leaks between the storage tank connection and the delivery truck.

(4) A vapor return line is installed from the delivery truck to the storage tank.

(5) Gauge pressure does not exceed 18 inches of water (4.5 kPa) and vacuum does not exceed six inches of water (1.5 kPa) in the gasoline tank-truck tank.

(6) There are no vapor leaks in the transfer system, which includes liquid lines, vapor lines, hatch covers, and pumps or in the delivery truck's pressure-vacuum relief valves which produce readings equal to or greater than 100% of the lower explosive limit (LEL, measured as propane) at one inch (2.5 cm) from the potential leak source when measured with a combustible gas detector.

(7) The only atmospheric emission during gasoline transfer is through the storage tank pressure-vacuum relief valves.

(8) The maximum loss of volatile organic compounds is 1.2 pounds per 1,000 gallons (140 mg/liter) of gasoline transferred.

(9) All gauging and sampling devices are vapor-tight except during gauging or sampling.

§115.122 (131.07.53.102). *Exemptions.* Gasoline bulk plants which have a gasoline throughput less than 4,000 gallons (15,142 liters) per day averaged over any consecutive 30-day period are exempt from the provisions of §115.121(b) (.101(b)) of this title (relating to control requirements).

§115.123 (131.07.53.103). *Compliance Schedule and Counties.* The requirements of §115.121 (.101) of this title (relating to control requirements) apply only within Harris County. All affected persons within that county shall be in compliance with §115.121 (.101) as soon as practicable but no later than December 31, 1982, and shall submit a final control plan for compliance to the Texas Air Control Board no later than December 31, 1979, with the exception that all persons affected by §115.121(b) (.101(b)) pertaining to tank-truck tank leak testings, §115.121(b)(5) (.101(b)(5)) pertaining to pressure and vacuum limitations, and §115.121(b)(6) (.101(b)(6)) pertaining to quantitative leak limitations, shall be in compliance as soon as practicable, but no later than December 31, 1982, and shall submit a final control plan to the Texas Air Control Board no later than July 31, 1981.

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

Specific emission controls for vapor recovery systems and gasoline tank-truck tanks were included in the proposed revision by reference to §§115.261-115.265. As a result of the public hearing, comments, and further staff consideration, the additional controls have been included in the text of the final revised section. A compliance date has also been included for these new requirements. Specific changes from the proposed sections include:

(1) A gasoline tank-truck tank inspection requirement has been added as §115.131(3) (131.07.54.101(3)), applicable to Harris County only.

(2) Two new vapor balance control requirements have been added as paragraphs (6) and (7) of §115.132 (.102).

(3) The compliance date for the additional controls included by reference in the proposed sections have been revised to December 31, 1982, from December 31, 1983, and included in §115.135 (.105). The compliance dates and counties have also been placed in tabular form for convenience reference.

(4) Section 115.133 (.103) for alternate vapor balance systems, has been withdrawn and the number placed in reserve. This section was redundant because §115.401 which provides for alternate controls is applicable to all rules in Regulation V.

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

§115.131 (131.07.54.101). *Control Requirements.* No person shall transfer or allow the transfer of gasoline from any delivery vessel into a stationary storage container with a nominal capacity greater than 1,000 gallons (3,800 liters) which is located at a motor vehicle fuel dispensing facility unless the following conditions are met:

(1) The container is equipped with a submerged fill pipe.

(2) The displaced vapors from the storage container are processed by a vapor recovery system which reduces the emissions of volatile organic compounds to the atmosphere to not more than 1.2 pounds per 1,000 gallons (140 mg/liter) of gasoline transferred.

(3) In Harris County, the gasoline tank-truck tank has been inspected for leaks within one year, as evidenced by a prominently displayed certification affixed near the DOT certification plate.

§115.132 (131.07.54.102). *Approved Vapor Balance System.* When a vapor balance system is used to comply with the provisions of §115.131 (.101) of this title (relating to control requirements), the balance system will be assumed to meet the specified emission limitations if the following conditions are met:

(1) a vapor-tight return line is connected before gasoline can be transferred into the storage container;

(2) no gasoline leaks exist anywhere in the liquid transfer system;

(3) the vapor return line's cross sectional area is at least 1/2 of the product drop line's cross sectional area;

(4) the only atmospheric emission during gasoline transfer into the storage container is through a storage container vent line equipped either with an orifice no greater than 3/4-inch (1.9 cm) internal diameter or a pressure-vacuum relief valve set to open at a pressure of eight ounces per square inch (3.4kPa);

(5) the delivery vessel is kept vapor-tight at all times (except when gauging) until the captured vapors are discharged to a loading facility with vapor recovery equipment, if the delivery vessel is refilled in one of the counties listed in §115.135 (.105) of this title (relating to compliance schedules and counties);

(6) in Harris County, gauge pressure in the tank-truck tank does not exceed 18 inches of water (4.5 kPa) or vacuum exceed six inches of water (1.5 kPa);

(7) in Harris County, readings less than 100% of the lower explosive limit (LEL, measured as propane) at one inch (2.5 cm) from potential leak sources when measured with a combustible gas detector.

§115.133 (131.07.54.103). *(Reserved for Expansion.)*

§115.135 (131.07.54.105). *Compliance Schedule and Counties.* All affected persons in the counties shown below will be in compliance with the provisions of §115.131 of this title (relating to control requirements) and §115.132 of this title (relating to approved vapor balance system) as soon as practicable but no later than the dates shown.

Rule Paragraphs	Counties Where Applicable	Final Compliance Date
All except §115.131(3), §115.132(4), §115.132(6), and §115.132(7)	Bexar, Brazoria Galveston, Harris	Aug. 31, 1978
§115.132(4)	Dallas, Tarrant	Feb. 29, 1980
	Bexar, Brazoria Dallas, Galveston, Harris, Tarrant	Dec. 31, 1981
§115.131(3), §115.132(6), and §115.132(7)	Harris	Dec. 31, 1982