

**REGULATION 6.15. Standard of Performance for Gasoline Transfer to Existing Service Station Storage Tanks (Stage I Vapor Recovery)**

**SECTION 1. APPLICABILITY**

The provisions of this section shall apply to the transfer of volatile organic compounds from transport vehicle tanks into storage tanks at service stations which were in being or had a construction permit issued by the District before the effective date of this regulation.

**SECTION 2. DEFINITIONS**

- (a) "Affected facility" means the gasoline storage tanks at a service station.
- (b) "Service station" means the gasoline storage tanks at a service station.
- (c) "Vapor balance system" means a system which transfers vapors from storage tanks during filling operations to the storage compartment of the transport vehicle delivering fuel.
- (d) "Vent line restriction" means:
  - (i) An orifice of one-half to three-quarter inch inside diameter in the vent line, or
  - (ii) A pressure-vacuum relief valve which opens at not less than eight ounces per square inch pressure and not less than one-half (1/2) ounces per square inch vacuum unless a different vacuum relief setting is required by safety or fire authorities, or
  - (iii) A vent shut-off valve which is activated by connection of the vapor return hose.
- (e) "Interlock system" means devices which either prevent fuel delivery or keep the storage tank sealed unless the vapor return hose is connected.
- (f) Terms used in this regulation not defined herein shall have the meaning given them in Regulation 1.02.

**SECTION 3. STANDARD FOR GASOLINE TRANSFER**

- (a) The owner or operator of an affected facility shall install, maintain and operate the following devices on the storage tanks:

- (i) Submerged fill pipe
  - (ii) Gauge-well drop tube, which extends within six inches of the bottom of the tank.
  - (iii) Vent line restriction(s) on the affected facility.
  - (iv) Vapor balance system with an interlock system and vapor tight connections on the liquid fill and vapor return hoses. The cross-sectional area of the vapor return hose must be at least 50 percent of the liquid fill hose, and free of flow restrictions to achieve acceptable recovery. The type, size and design of the vapor balance system are subject to the approval of the District.
- (b) The owner or operator may elect to use an alternate control system provided it can be demonstrated to the District's satisfaction to achieve an equivalent control efficiency.
- (c) The owner or operator shall not allow delivery of fuel to the storage tanks until the vapor balance system is properly connected to the transport vehicle and the affected facility.

#### **SECTION 4. STANDARD FOR TRANSPORT VEHICLE**

No owner or operator of transport vehicle shall make delivery of gasoline unless the transport vehicle's tank has been checked for leaks at the loading terminal per Regulation 6.21. A suitable record of the leak tests or checks shall be maintained and kept in the vehicle's cab for inspection by District personnel at any time.

#### **SECTION 5. COMPLIANCE TIMETABLE**

- (a) The owner or operator of a service station with an annual thruput greater than or equal to 250,000 gallons shall be required to complete the following:
- (i) Submit a final control plan for achieving compliance with this regulation no later than September 1, 1979.
  - (ii) Award the control device contract no later than November 1, 1979.
  - (iii) Initiate on-site construction or installation of emission control equipment no later than April 1, 1980.
  - (iv) On-site construction or installation of emission control equipment shall be completed no later than November 1, 1980.

(v) Final compliance shall be established by equipment inspection by District personnel on or before February 1, 1981.

(b) The owner or operator of a service station with an annual thruput of less than 250,000 but more than 100,000 gallons shall be required to complete the following:

(i) Submit a final control plan for achieving compliance with this regulation no later than September 1, 1979.

(ii) Award the control device contract no later than November 1, 1980.

(iii) Initiate on-site construction or installation of emission control equipment no later than April 1, 1981.

(iv) On-site construction or installation of emission control equipment shall be completed no later than November 1, 1981.

(v) Final compliance shall be established by equipment inspection by District personnel on or before February 1, 1982.

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