GASOLINE DISPENSING FACILITIES

Phase II Enhanced Vapor Recovery Upgrade Bulletin

The State of California Air Resources Board (CARB) requires Gasoline Dispensing Facilities (GDF) with underground storage tanks subject to Phase II vapor recovery to upgrade to Enhanced Vapor Recovery (EVR) by April 1, 2009. Additionally, In Station Diagnostics (ISD) is required for all GDF that dispense more than 600,000 gallons annually. The deadline for ISD installations for GDF that dispense between 600,000 and 1.8 millions gallons annually is September 2010. The deadline for ISD installations for GDF that dispense more than 1.8 million gallons annually is September 2009. Please contact San Diego Air Pollution Control District (SDAPCD) at (858) 586-2650 to verify if Phase II EVR, including ISD, applies to you.

The CARB has certified two Phase II EVR systems

- Vapor System Technologies EVR Total Balance System Solution w/out ISD
  Executive Order VR-203B issued November 5, 2007
- Franklin Fueling Systems – Healy Phase II EVR w/ISD
  Executive Order VR-202E issued December 26, 2007

Installation of either of the two certified systems shall comply with the City of Chula Vista Fire Department's (CVFD) Fire Prevention Division requirements. These requirements are as follows:

1. Contractors who install EVR systems shall be trained and certified by the manufacturer. The SDAPCD requires an International Code Council (ICC) certification as an approved vapor recovery installer. Provide proof of ICC certification on submitted plans. Please contact SDAPCD for more information.
2. Design and installation plans shall be submitted to the City of Chula Vista Planning and Building Department for review and permit issuance.
3. The Healy CAS and VST Membrane Processor shall be located at least ten (10) feet from the nearest building, structure or lot line of a property that can be built upon.
   California Fire Code (CFC) section 2206.7.9.2.2 list the following exceptions*
   - Install approved protective enclosures, or
   - Install fire protection using an approved water-spray system
4. The Healy CAS and VST Membrane Processor shall be located at least twenty (20) feet from dispensing devices. (CFC 2206.7.9.2.2).
5. Vapor processing equipment shall be protected against physical damage as required by C.V.F.D Fire Prevention Division "Vapor Procession Equipment – Bollard Detail." (CFC 2206.7.9.2.2).
6. Vent pipe outlets for tanks storing Class I, II, or IIIA liquids shall be located such that the vapors are released not less than twelve (12) feet above the adjacent ground level. (CFC 3404.2.7.3.3).
7. Vapor processing units shall be securely mounted on concrete, masonry, structural steel supports on concrete, or other non-combustible foundations. Concrete foundations shall be calculated to provide proper support of the vapor-processing unit. (CFC 2206.7.9.2.3).
8. Post sign/sticker indicating "NO SMOKING WITHIN 25 FEET" on CAS/Membrane Processor or, if applicable, on exterior of protective enclosure. Lettering shall be a minimum of three (3) inches in height.

***Additional permit submittals to the Building and Fire Department are required for these alternative materials or methods.**