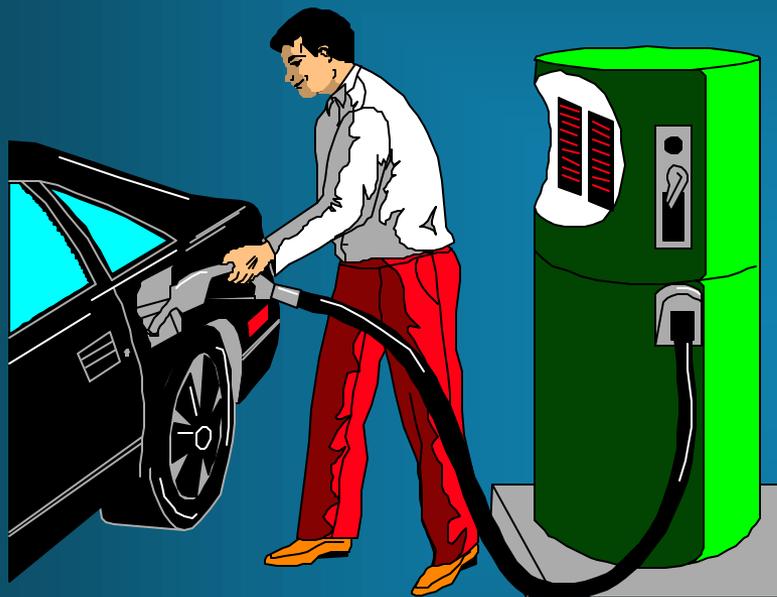


Vapor Recovery Equipment Defects (VRED) List Update



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Air Resources Board

Presentation Topics

- ARB's Defect Obligation
- Equipment Defect History
- Defect Determination Criteria
- VRED Update Determinations

Presentation Topics

- Source of List Changes
- Types of Proposed Changes
- 15-Day Changes
- Future Actions

ARB Defect Obligation

California Health & Safety Code, Section 41960.2(c):
The state board shall identify and list equipment defects in systems for the control of gasoline vapors resulting from motor vehicle operations that substantially impair the effectiveness of the systems in reducing air contaminants.

Equipment Defect History

- Incorporated in 1982 into California Code of Regulations, Title 17, Section 94006
- Subsequent identification of defects stated in Executive Orders
- In 2002 defects consolidated into one VRED list

Substantial Defect Criteria

- Defect did not exist when the system was certified
- A 5% efficiency reduction associated with the defect
- A verification procedure(s) exists to identify the defect

VRED Update Determinations

HSC, Section 41960.2(c):

- Identification of new equipment defects
- Review VRED List at least once every three years (2007, 2010, 2013, ...)
- Review VRED List upon request

Source of List Changes

- Executive Orders adopted since the last list update
- Determined from field work, inspections, or test data
- Changes proposed by stakeholders

Types of Proposed Changes

- Changes to individual defects
- Defects listed in multiple tables
- Changes which affect all defects listed

Proposed 15-Day Changes

- Additional defects from Aboveground Storage Tank Executive Orders
- Defects identified after this Hearing

Future Actions

- 15-Day change package
- E.O. review of VRED List update
- Final Statement of Reasons
- Office of Administrative Law Approval
- Changed VRED List Filed

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