

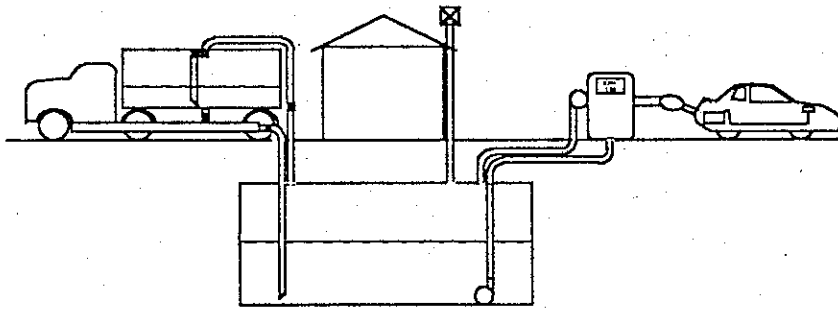
AGENDA ITEM 95-6-2

**ADOPTION, AMENDMENT, AND REPEAL OF REGULATIONS REGARDING
CERTIFICATION PROCEDURES AND TEST PROCEDURES FOR GASOLINE VAPOR
RECOVERY SYSTEMS**

Copies of the slide presentation which supported the Air Resources Board's oral staff presentation given by Ms. Cindy Castronovo, as reflected on page 50 of the transcript.

Attachments

Vapor Recovery Certification and Test Procedures



What Is Vapor Recovery?

Vapor Recovery reduces emissions of benzene and other hydrocarbons during gasoline refueling and transfer operations.

What Are the Benefits of Vapor Recovery?

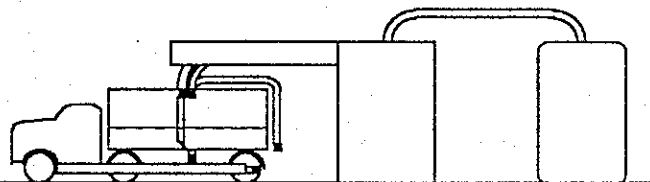
- Reduction in Hydrocarbons
 - 410 tons of vapor controlled per day
 - 49 million gallons of liquid saved per year
- Reduction in Benzene Exposure
 - 83% decrease in exposure to cancer risk

What Facilities Are Affected?

- Gasoline Marketing Facilities

Terminal Facility
(from ships, pipes, and trains to cargo tanks)

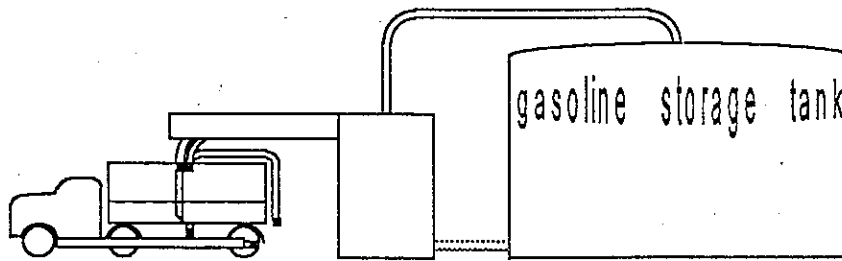
gasoline storage tank



cargo tank loading rack control device

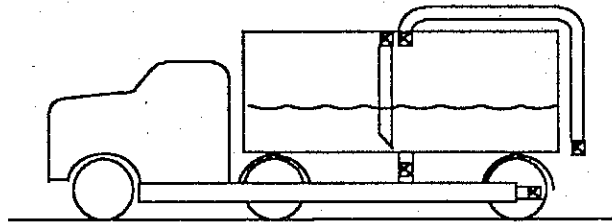
Bulk Plant Facility
(from cargo tanks to bulk plant to cargo tanks)

gasoline storage tank

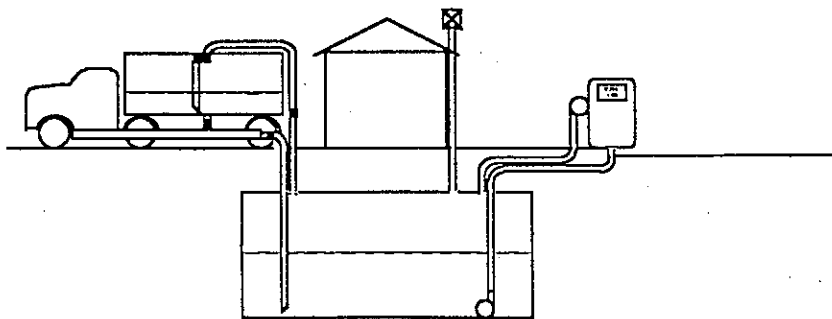


cargo tank loading rack

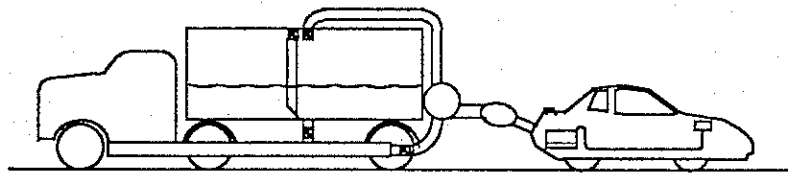
Cargo Tank
(carries gasoline between facilities)



Dispensing Facility Phase I
(from cargo tanks to
dispensing facility)



Novel Facility
(combines features of other facilities)



What Is Proposed for
Adoption?

- 5 Certification Procedures
- 19 Test Procedures
- 1 Set of Definitions

How Are the Procedures Used?

- Certification of New Technology
- Installation, Testing, and Maintenance
- Inspecting, Permitting and Enforcing

Why Are New Procedures Needed?

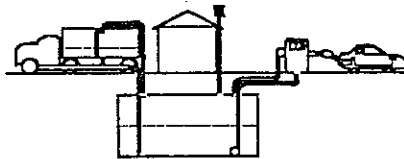
- New Technologies Are Often Not Compatible with Existing Procedures
- Existing Procedures Need to Be Adapted for Certification of New Technologies
- Installations of New Technologies Require In-Use Test Procedures

How Do the Certification Procedures work?

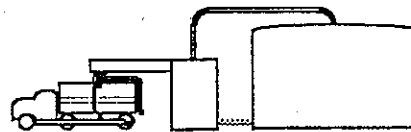
- Performance Standards
- Performance Specifications
- Test Procedures

Facilities with Unchanged Performance Standards

- Dispensing Facilities
90% Efficiency

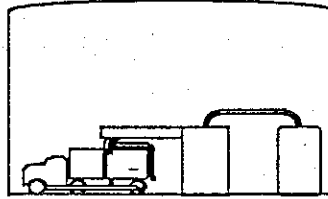


- Bulk Plants
90% Efficiency

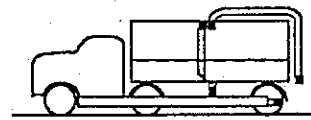


Two New Performance Standards Are Included

- Emission Limit for Terminals Reduced per US EPA Regulations



- Vapor Leaks for Cargo Tanks Reduced per Industry Practice



How Do the Performance Specifications Function?

- Establish Design and Operating Conditions for the Certified Test Installation
- Provide Compliance Conditions for Subsequent Installations

How Do the Test Procedures Function?

- Check Compliance with Performance Standards
- Establish Performance Specifications

No New Certification Testing Is Required!

Existing systems already meet new requirements.

Outreach Efforts

- Meetings with Affected Groups
- 5 Public Workshops
- Economic Survey

Economic Impact

- No adverse economic impact with adoption of the proposed procedures
- No new testing for existing facilities or existing certifications

Environmental Benefits

Test procedures can be used by
Districts to improve
in-use compliance.

Summary

- Existing procedures are inadequate.
- Proposed revisions resolve problems.
- No adverse impacts are anticipated.
- Certification process is improved.