

ORVR Compatibility Deadline Extension Workshop



August 19, 2004

Monitoring and Laboratory Division

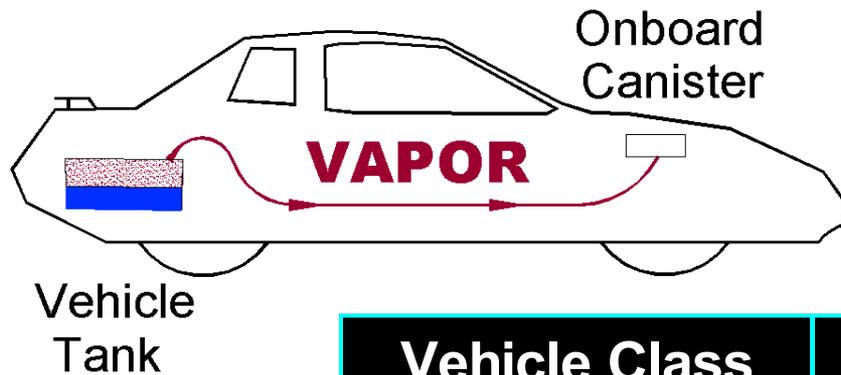
Air Resources Board

California Environmental Protection Agency

Agenda

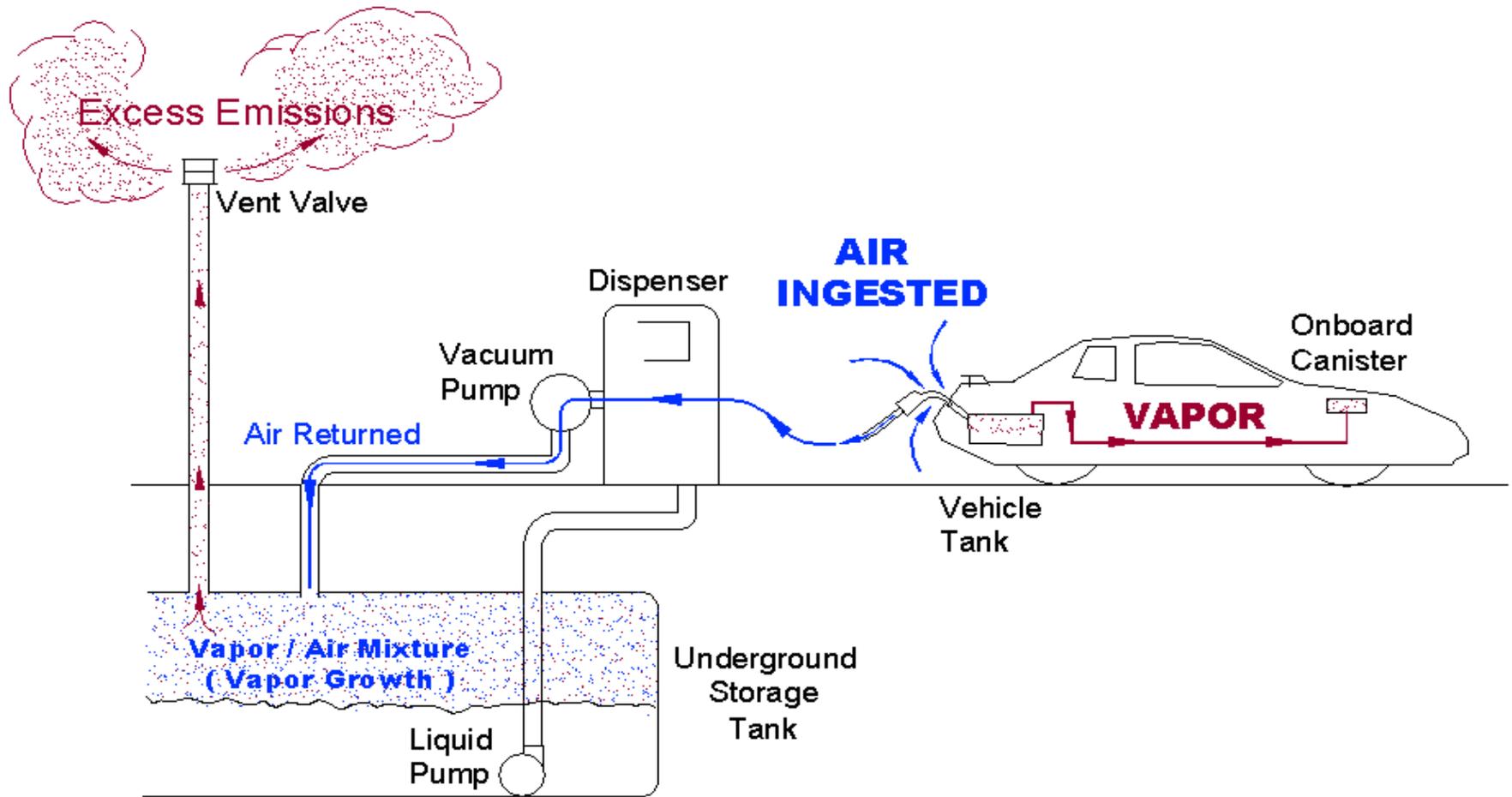
- Introductions
- Background for ORVR Compatibility Requirement
- Reasons to Delay the ORVR Deadline
- Proposed Extension and Milestones
- Economic and Environmental Impacts
- Information Requested
- Rulemaking Schedule

Onboard Refueling Vapor Recovery or "ORVR"



Vehicle Class	40%	80%	100%
Passenger	1998	1999	2000
LD Trucks & MDV (<6000 lbs)	2001	2002	2003
MD Vehicles (6001-8500 lbs)	2004	2005	2006

ORVR - Phase II Incompatibility



ORVR Compatibility Requirement History

- April 1994 - USEPA promulgates ORVR Rule
- May 1994 - ARB memo predicts excess emissions from Phase II when fueling ORVR vehicles
- 1998 - ARB field tests generate ORVR/Phase II excess emission factors
- March 2000 - ORVR Compatibility standard approved as part of EVR
- June 2000 - BAAQMD requires ORVR compatible systems for new installations
- Jan 2001 - State law requires only ORVR compatible systems can be certified by ARB

EVR Emission Reductions

		2010 ROG Reductions Statewide, tons/day
Module	Description	
1	Phase I	5.5
2	Phase II	3.1
3	ORVR Compatibility	4.5
4	Liquid Retention	0.2
5	Spillage/Dripless Nozzle	3.9
6	In-Station Diagnostics	8.5
	Total	25.7

ORVR Compatible Phase II Systems

Phase II System	ARB Executive Order & Approval Letters
Healy	G-70-186, G-70-191
Balance	G-70-52, Letter 03-04
Hirt	G-70-177-AA, Letter 03-06

Agenda

- Introductions
- Background for ORVR Compatibility Requirement
- **Reasons to Delay the ORVR Deadline**
- Proposed Extension and Milestones
- Economic and Environmental Impacts
- Information Requested
- Rulemaking Schedule

Reasons for Delay

The ORVR Compatibility delay is needed...

- to provide orderly implementation of thousands of station upgrades
- to allow station operators the option of choosing ORVR compatible or EVR Phase II systems

Board Direction re: Avoiding Two Equipment Upgrades

- December 2002 Board resolution directed staff to assess adequacy of lead time to install EVR Phase II systems prior to the ORVR deadline
- Intent was to minimize the necessity to upgrade vapor recovery systems more than once to comply with both ORVR compatibility and EVR standards.

Agenda

- Introductions
- Background for ORVR Compatibility Requirement
- Reasons to Delay the ORVR Deadline
- **Proposed Extension and Milestones**
- Economic and Environmental Impacts
- Information Requested
- Rulemaking Schedule

Proposed Extension

- Gasoline marketers request one-year extension minimum
- CAPCOA suggests up to one-year extension with increments of progress
- District permitting authority precludes adopting increments of progress in state regulation

CAPCOA Suggested ORVR Compliance Schedule for Owner of 10 or less affected GDFs

Date	Action Required
Feb 1 2005	Permit application – include plan to comply by March 1, 2006
Date District issues A/C	Sign installation contract within 30 days after A/C issued

The GDF shall comply with the plan submitted to the district

CAPCOA Suggested ORVR Compliance Schedule for Owner of more than 10 affected GDFs

Date	Action Required
Feb 1 2005	Permit application – include plan to comply as follows: 40% by Aug 1, 2005 30% by Dec 1, 2005 30% by Apr 1, 2006
Date District issues A/C	Sign contract within 30 days. Complete installation and pass tests in 120 days after A/C issued or by above dates, whichever is later

Agenda

- Introductions
- Background for ORVR Compatibility Requirement
- Reasons to Delay the ORVR Deadline
- Proposed Extension and Milestones
- **Economic and Environmental Impacts**
- Information Requested
- Rulemaking Schedule

Economic Impacts

- Possible cost savings if more ORVR compatible or EVR systems certified soon
- ORVR compatible system equipment manufacturers could lose money due to investment made to meet April 2005 deadline

Environmental Impacts

- ORVR emission reductions would be delayed (estimated at 4.5 tons/day)

Agenda

- Introductions
- Background for ORVR Compatibility Requirement
- Reasons to Delay the ORVR Deadline
- Proposed Extension and Milestones
- Economic and Environmental Impacts
- **Information Requested**
- Rulemaking Schedule

Information Requested

- How many stations need to be upgraded?
- What are the time constraints?
- Is the CAPCOA schedule feasible?

Agenda

- Introductions
- Background for ORVR Compatibility Requirement
- Reasons to Delay the ORVR Deadline
- Proposed Extension and Milestones
- Economic and Environmental Impacts
- Information Requested
- Rulemaking Schedule

Rulemaking Schedule

- August 31, 2004
 - Notice and staff report submitted for management review
- October 1, 2004
 - Release staff proposal and start 45-day comment period
- November 18, 2004
 - Board hearing

Contact Information

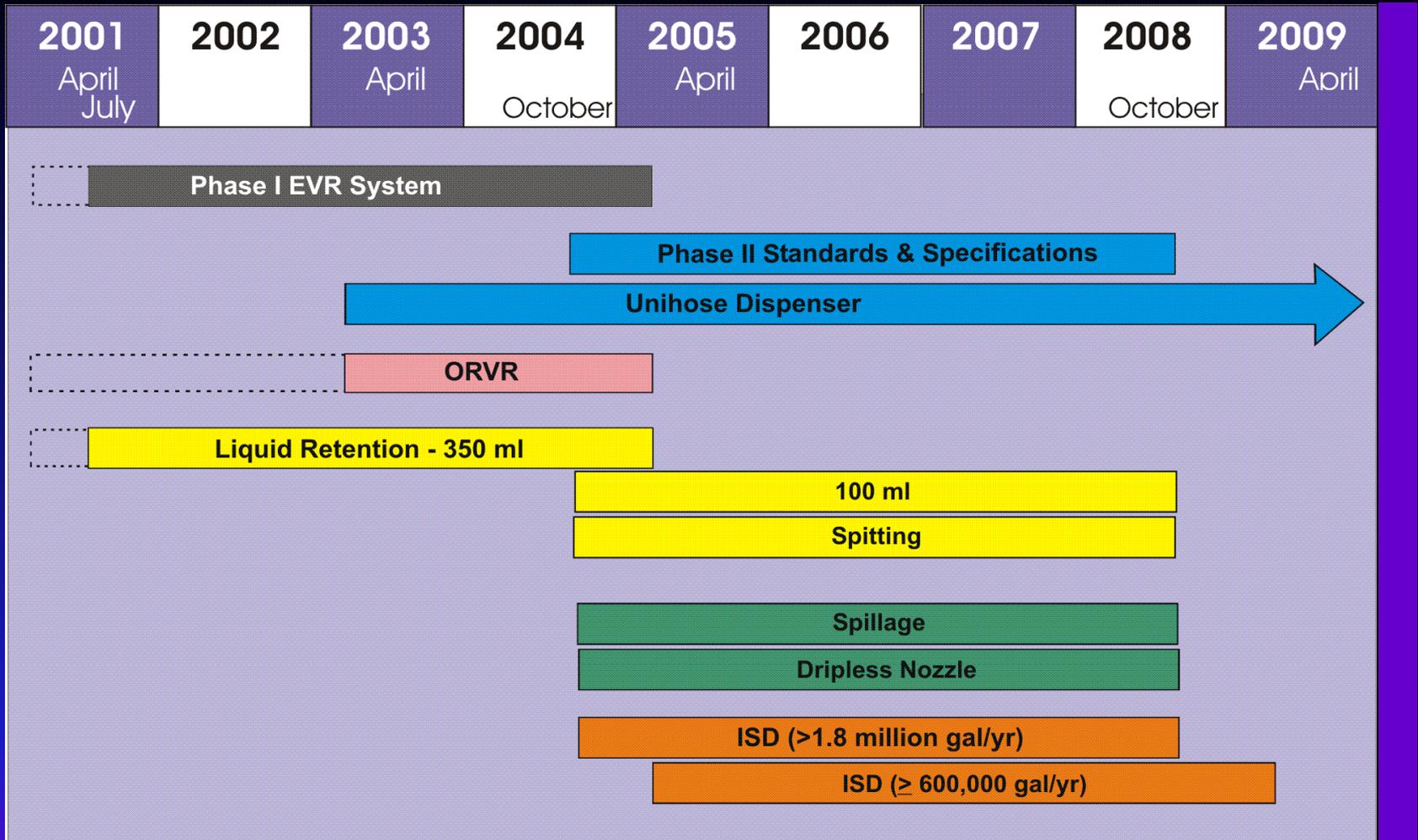
Cindy Castronovo

ccastron@arb.ca.gov

(916) 322-8957

www.arb.ca.gov/vapor/vapor.htm

EVR Timeline



 Dotted box: time between start of 4-year clock and operative date

 Start of solid bar: date required for new or modified facilities (operative date)

 End of solid bar: date required for existing facilities (installed before start of bar)

 Not required for dispensers installed before April 2003

March 2004