



Public Workshop for Proposed Amendments to the Consumer Products Regulation

August 27, 2008



California Environmental Protection Agency
Air Resources Board

Presentation Overview

- Background
- 2006 Survey and data summaries
- Proposed VOC limits
- Toxics evaluation
- Ongoing work
- Schedule



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Mandate to Control Consumer Product VOC Emissions

- Health and Safety Code 41712
 - Achieve maximum feasible reduction in VOCs
 - Technologically and commercially feasible
 - Preserve product forms
- VOC Statewide Strategy Commitment (SIP):
 - 30 to 40 tons per day by 2014
 - June amendments contribute ~ 4.5 tons per day toward goal
 - Additional ~ 1.3 tons per day contribute to "Black Box"

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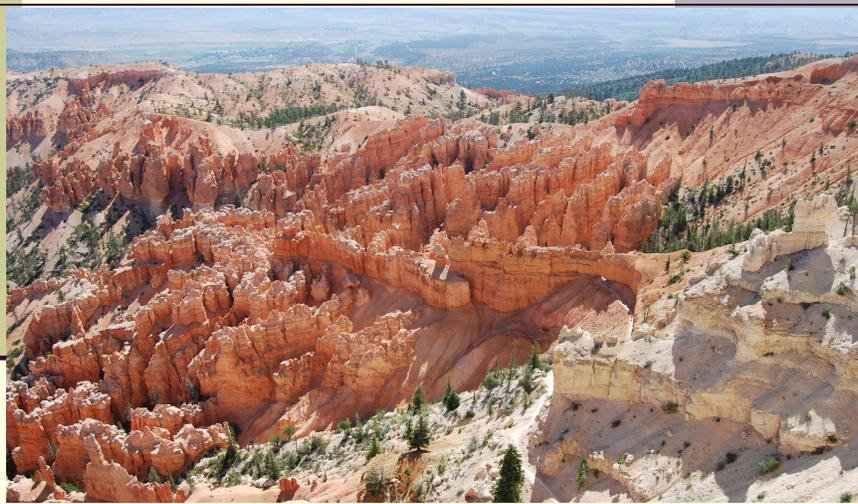
Update on June 2008 Amendments

- Approved by the Board with modifications
- Modifications released for public comment on August 12
- Comment period closes today
- Commitment to return in November to address cleaning product VOC emissions



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2006 Survey and Data Summaries



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2006 Survey

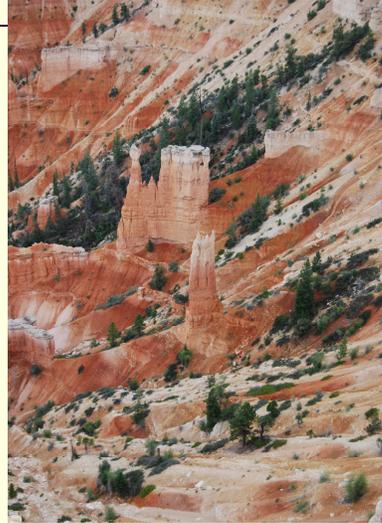
2006 Survey Process

- Over 500 completed surveys received
- Data for over 10,000 products
- Review has focused on categories proposed for further regulation in November
 - 2,500 products in categories discussed today

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2006 Survey Data Summaries

- Overall data summaries:
 - Tables B, C, and D
- Table 1:
 - Product and company names
- Table 2:
 - Product forms and VOC content
- Table 3:
 - Ingredients
 - 95% reported to protect confidentiality



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Categories

- Air Freshener (double-phase aerosol)
- General Purpose Cleaner (non-aerosol)
- General Purpose Degreaser (non-aerosol)
- Glass Cleaner (non-aerosol)
- Furniture Maintenance Product (aerosol)
- General Purpose Degreaser (Not for Retail Sale)

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Air Freshener (Double-Phase Aerosol)

- Number of companies reporting products
 - 21
- Number of products reported
 - 55
- Market Adjusted VOC emissions
 - 10.0 tpd
- Sales weighted average-VOC content
 - 24.5%
- Staff Contact: Jasmine Nguyen (jtnguyen@arb.ca.gov)

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General Purpose Cleaner (non-aerosol)

- Number of companies reporting products
 - 184
- Number of products reported
 - 1,406
- Market Adjusted VOC emissions
 - 11.8 tpd
- Sales weighted average-VOC content
 - 2.2%
- Staff Contact: Femi Olaluwoye (oolaluwo@arb.ca.gov)

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General Purpose Degreaser (non-aerosol)

- Number of companies reporting products
 - 109
- Number of products reported
 - 521
- VOC emissions
 - 1.4 tpd
- Sales weighted average-VOC content
 - 1.1%

▪ Staff Contact: Nicholas Berger (nberger@arb.ca.gov)

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Glass Cleaner (non-aerosol)

- Number of companies reporting products
 - 129
- Number of products reported
 - 354
- VOC emissions
 - 3.5 tpd
- Sales weighted average-VOC content
 - 3.2%

▪ Staff Contact: Robert Barrera (rbarrera@arb.ca.gov)

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Furniture Maintenance Product (aerosol)

- Number of companies reporting products
 - 40
 - Number of products reported
 - 73
 - VOC emissions
 - 1.2 tpd
 - Sales weighted average-VOC content
 - 16.3%
- Staff Contact: Marja-Liisa Magnuson (mmagnuso@arb.ca.gov)

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General Purpose Degreaser (Not for Retail Sale)

- Number of companies reporting products
 - 13
 - Number of products reported
 - 77
 - VOC emissions
 - 1.6 tpd
 - Sales weighted average-VOC content
 - 20.9%
- Staff Contact: Nicholas Berger (nberger@arb.ca.gov)

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Proposed VOC Limits



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Proposed Limit

Air Freshener (Double-Phase Aerosol) cont.

- Current VOC Limit
 - 25% by weight, effective 12/31/2004
- Proposed VOC limit
 - 20% by weight
- Effective Date
 - 12/31/2011
- VOC Emission Reduction
 - 1.9 tpd
- Complying Market Share
 - < 1%

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General Purpose Cleaner (non-aerosol)

- Current VOC Limit
 - 4% by weight, effective 12/31/2004
- Proposed VOC limit
 - 0.5% by weight
- Effective Date
 - 12/31/2011
- VOC Emission Reduction
 - 5.1 tpd
- Complying Market Share
 - 57%

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General Purpose Degreaser (non-aerosol)

- Current VOC Limit
 - 4% by weight, effective 12/31/2004
- Proposed VOC limit
 - 0.5% by weight
- Effective Date
 - 12/31/2011
- VOC Emission Reduction
 - 0.47 tpd
- Complying Market Share
 - 72%

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Glass Cleaner (non-aerosol)

- Current VOC Limit
 - 4% by weight, effective 12/31/2004
- Proposed VOC limit
 - 1% by weight
- Effective Date
 - 12/31/2011
- VOC emission reduction
 - 2.1 tpd
- Complying Market Share
 - 12%

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Furniture Maintenance Product (aerosol)

- Current VOC Limit
 - 17% by weight, effective 12/31/2004
- Proposed VOC limit
 - 10% by weight
- Effective Date
 - 12/31/2011
- VOC Emission Reduction
 - 0.46 tpd
- Complying Market Share
 - 5%

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Evaluation of Potentially Toxic Compounds

- Evaluating use of
 - Alkyl phenol ethoxylates
 - Dibutyl phthalate
 - Glycol ethers

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Ongoing Work



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Paint Thinner and Multi-Purpose Solvent Evaluation

- Goal is to determine regulatory strategy
- Technical issues were discussed at a workgroup meeting yesterday
- Survey update needed to capture data on new technologies
- Proposal to be considered at June 2009 board hearing

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Spot Removers for "Dry Clean Only" Fabrics

- Products currently exempt from regulation
- Conduct survey to develop information to evaluate regulatory strategy
- Goal is to consider proposal at June 2009 board hearing

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Nail Coatings Evaluation

- Ongoing evaluation of toxic compounds used in nail coating products
- Assess health risks through modeling exercise
- Site visits of typical salons to occur in fall
- Goal is to consider proposal at June 2009 board hearing

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Continued Review of 2006 Survey

- Survey review ongoing
 - Evaluation of Paint Remover or Stripper for June 2009 hearing
 - Toxics (primarily methylene chloride)
 - VOCs
 - Other categories including aerosol coatings
- Data from review of these products to be used to work toward VOC SIP commitment and greenhouse gas reduction goals

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Schedule

- September 10
 - Comments due
- 2nd Public Workshop
 - Late September
- Board hearing
 - November 20 + 21
- Subsequent public hearing
 - June 2009



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Contact Information

Name	Responsibility	Phone	Email
Janette Brooks	Chief, Air Quality Measures Branch	(916)322-7072	jbrooks@arb.ca.gov
Carla Takemoto	Manager, Technical Evaluation Section Lead Manager on November 2008 Regulatory Amendments	(916)324-8028	ctakemot@arb.ca.gov
David Mallory	Manager, Measures Development Section 2006 Consumer Products Survey; Lead Manager June 2009 Regulatory Amendments	(916)445-8316	dmallory@arb.ca.gov
Judy Yee	Manager, Implementation Section	(916)322-9148	jyee@arb.ca.gov
Femi Olaluwoye	Staff Lead, November 2008 Regulatory Amendments	(916)327-1503	oolaluwo@arb.ca.gov
Trish Johnson	Staff Lead, 2006 Consumer Products Survey	(916)445-3365	tjohnson@arb.ca.gov

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