

**January 13, 2009**



**Public Workshop:  
Amendments to Regulation 8,  
Rule 3: Architectural Coatings**

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# Overview

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- Regulatory Review
- Regulatory Proposal
- Emissions Inventory & Reductions
- Compliance Costs
- Next Steps



# Regulatory Review

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## Architectural Coatings include:

- House Paints
- Stains
- Primers
- Traffic Coatings
- Roof Coatings
- Waterproofing
- Industrial Maintenance Coatings



# Regulatory Review

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- Adopted: March 1978
- Last Amended: November 2001
- Applies to:
  - Manufacturers and distributors
  - Contractors
  - Individual users



# Regulatory Review

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- Over 40 coatings categories
- VOC limits range from 100 to 730 g/l

<b>Coating Category</b>	<b>VOC Limit (g/l)</b>	<b>Emissions (tpd)</b>
Nonflats (gloss)	150-250	4.79
Flats	100	2.71
All Primers, sealers, undercoaters	350	2.63
Wood Coatings	350-650	1.26
Rust Preventative Coatings	420	1.23



# Regulatory Review

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## Other Requirements:

- Labeling requirements
  - VOC limit
  - Date of manufacture
  - Thinning recommendations
- Most restrictive VOC limit applies
- Report to ARB:
  - Amounts sold or distributed
  - Any toxic compounds used in formulation



# Regulatory Review

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## 2007 Architectural Coatings SCM

- Reduced VOC limits for 20 coating categories
- New, combined or eliminated categories
- Minor changes in definitions



# Regulatory Proposal

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## Incorporate 2007 SCM

- VOC limits
- Definitions
- Labeling Requirements
- Solvent Standards



# VOC Limits

Coating Category	VOC Limit (g/l)	
	Current	Proposed
Flats	100	50
Nonflats – low & medium gloss	150	<b>100</b>
Nonflats – high gloss	250	<b>150</b>
Aluminum Roof Coatings	500	400
Bituminous Roof Coating	300	50
Concrete / Masonry Sealer	250-400	<b>100</b>
Driveway Sealer	100	50
Dry Fog Coatings	400	150
Floor Coatings	250	100



# VOC Limits (cont.)

Coating Category	VOC Limit (g/l)	
	Current	Proposed
Mastic Texture Coatings	300	100
All Primers, Sealers, Undercoaters	200-350	100
Reactive Penetrating Sealers	400	350
Roof Coatings	250	50
Rust Preventive Coatings	400	250
Traffic Marking Coatings	150	100
Waterproofing Membranes	250-400	250
Wood Coatings	350-680	275
Zinc-Rich Primer	500	340



# Solvents

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## Surface Prep & Solvent Loss Minimization

- VOC content: 25 g/l
- Closed Containers
  - Storage & disposal cloth or paper
  - Fresh or spent solvent
- Minimize evaporation for collecting equipment



# Emissions & Costs

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## Emissions Inventory & Reduction:

- Current Inventory: 16.9 tons per day
- Emission Reduction: 5.4 tpd

## Costs:

- Total Cost District-wide : \$4.42 million
- Cost to Consumer:
  - About 6 percent increase
  - Average increase: \$1.21 per gallon



# Regulatory Proposal

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## Potential Reactivity Option

- Measures a VOC's potential to form Ozone
- Different VOCs have differing ozone-forming potentials
- Potential for greater air quality benefits
- May allow greater formulation flexibility
- Manufacturers have expressed interest



# Next Steps

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- Comments due January 20, 2009
- Receive and review comments
- Draft final Proposal
- Draft CEQA and Socioeconomic Analyses
- Board Hearing: March 2009



# Contact Information

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Please send comments by **January 20** to:

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