

Appendix G

Summary of Consumer Products Regulatory Actions

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Action Date/ (Effective Date)	Regulatory Action	Site	Comments
6/16/89	Consumer Products Control Plan.	N/A	First Board action on consumer products. Board approved overall plan to fulfill H&SC Section 41712 mandate and a goal of achieving a 50 percent reduction in VOC emissions from consumer products.
11/8/89/ (2/27/91)	Regulation to Reduce VOC Emissions from Antiperspirants and Deodorants.	Article 2, Sections 94500-94506, Title 17, CCR.	First consumer product regulation adopted pursuant to the CCAA. Established VOC content limits for aerosol and non-aerosol antiperspirants and deodorants.
6/15/90	Regulation for Reducing VOC Emissions from Consumer Products in the Bay Area AQMD.	Article 2, Consumer Products, Sections 94520-94527, Title 17, CCR.	This regulation was adopted to reduce VOC emissions from consumer products in the Bay Area AQMD and establishes VOC limits for 6 consumer products.
10/11/90/ (10/21/91)	Regulation for Reducing VOC Emissions from Consumer Products - Phase I.	Article 2, Consumer Products, Sections 94507-94516 and 94503.5, Title 17, CCR Amendments to Article 2, Section 94505, Title 17, CCR	Establishes VOC limits for 16 consumer products, repeals the Bay Area consumer product regulation, and amends the AP/DO regulation to include an innovative product provision and a revised variance procedure.
1/9/92/ (1/6/93)	Adoption of Amendments to the Regulation for Reducing VOC Emissions from Consumer Products - Phase II.	Article 2, Consumer Products, Sections 94507-94517, Title 17, CCR.	Establishes standards for 10 additional categories of consumer products and several amendments to the existing regulation for clarification and improvement.
9/22/94/ (9/9/95)	Adoption of the Alternative Control Plan Regulation for Consumer Products.	Article 4, Sections 94540-94555, Title 17, CCR.	A voluntary market-based regulation which supplements the existing consumer products regulation by providing manufacturers with additional flexibility for formulating products.
11/15/94/ (2/14/95)	Approval of the California State Implementation Plan for Ozone.	N/A	Board approval of Ozone SIP which includes consumer products element comprised of near, midterm, and long term measures.
3/23/95/ (1/8/96)	Regulation for Reducing VOC Emissions from Aerosol Coating Products and Amendments to the Alternative Control (ACP) Plan.	Article 3, Sections 94520-94528, Title 17, CCR Amendments to Article 4, Sections 94540 to 94543, 94547, 94550, 94551, and 94553, Title 17, CCR.	Establishes VOC content limits for 35 categories of aerosol paints. Amendments to ACP to incorporate aerosol coating products.

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9/28/95/ (2/29/96)	Amendments to the California Regulations for Reducing VOC Emissions from Antiperspirants and Deodorants, Consumer Products, and Aerosol Coating Products.	Amendments to Article 1, Sections 94500-94504, Title 17, CCR, Article 2, Section 94508(a)(90), Title 17, CCR, and Article 3, Section 94521(a)(62), Title 17, CCR.	The amendments to the AP/DO regulation address fairness concerns, preserves projected emission reductions required by the SIP, ensures that manufacturers will continue their efforts to develop zero percent products and provides a vehicle to monitor progress and to make the VOC definition more consistent with EPA's VOC definition. The consumer products regulation and the aerosol coatings regulation is modified to revise the VOC definition consistent with EPA's.
11/21/96/ (11/18/97)	Amendments to the California Regulations for Reducing VOC Emissions from Consumer Products and Aerosol Coating Products.	Amendments to Article 2; Sections 94508, 94515 94517 and Article 3; Section 94521, Title 17, CCR.	The amendments to the consumer products regulation address postponement of the 25 percent standard for aerosol adhesives, modification to the VOC definition, amendment of various regulatory provisions to enhance clarity and compliance, and amendment to the test methods sections. The proposed amendments also modify the VOC definition in the aerosol coatings regulation.
3/27/97/ (8/24/98)	Amendments Pertaining to Hairspray in the California Consumer Products Regulation.	Amendments to Article 2, Sections 94509, 94513, and 94514, Title 17, CCR.	Postpones the hairspray 55 percent VOC standard from 1/1/98 to 6/1/99, require plans demonstrating progress toward compliance from manufacturers selling hairspray not meeting the 55 percent VOC standard from 1/1/98 to 6/1/99, and modifies the variance provision to include a requirement for VOC emissions mitigation when granting a variance request for hairsprays from the 6/1/99 standard.
7/24/97/ (7/1/98)	Amendments to the Consumer Products Regulation, Mid-term Measures I.	Amendments to Article 2, Sections 94508, 94509, 94510, 94512, 94513, and 94514, Title 17, CCR.	All VOC standards with 1/1/2000, effective dates were extended to 1/1/2001; First tiers of the two-tiered VOC standards and additional reporting requirements for four product categories were eliminated; Effective dates of the VOC standard were changed for five product categories.
11/19/98/ (6/24/99)	Amendments to the Aerosol Coating Products, the Antiperspirants and Deodorants Regulation, and the Consumer Products Regulation.	Amendments to Article 3, Section 94521, 94522, and 94524, Title 17, CCR; Article 1, Section 94501, Title 17, CCR; and to Article 2, Section 94508(a)(124), Title 17, CCR.	Relaxation of the second-tier VOC limits of the Aerosol Coating Products Regulation. Exemption of methyl acetate from the VOC definition in the Antiperspirants and Deodorants Regulation, the Consumer Products Regulation, and the Aerosol Coating Products Regulation.

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10/28/99/ 11/19/2000	Amendments to the Consumer Products Regulation, Mid-term Measures II.	Amendments to Article 2, Section 94508, 94509, and 94513, Title 17, CCR.	Amends the Consumer Products Regulation by adding product category definitions, VOC limits for two new categories, more stringent VOC limits for fifteen existing categories, and adding subcategories for some of the existing product categories with separate VOC limits for each subcategory. New or modified VOC limits become effective from 12/31/2000, to 12/31/2004. Amendments consolidate and expand the existing reporting requirements for products containing methylene chloride or perchloroethylene.
5/25/2000/ (5/18/2001)	Amendments to the Consumer Products Regulation relating to Aerosol Adhesives.	Amendments to Article 1, Sections 94508, 94509, 94512, and 94513, Title 17, CCR.	Amendments eliminate the 25 percent VOC limit and establish new VOC limits for three new categories of aerosol adhesives, effective January 1, 2002. Amendments also include labeling and other requirements to facilitate compliance and enforcement of the new standards. Effective 1/1/2002, amendments also prohibit the use of methylene chloride, perchloroethylene, and trichloroethylene, which are toxic air contaminants, in aerosol adhesives manufactured for use in California.
6/22/2000/ (7/18/2001)	Consumer Products Relating to Aerosol Coating Products, Proposed Tables of Maximum Incremental Reactivity (MIR) Values, and Amendments to Method 310.	Amendments to Article 3, Sections 94521, 94522, 94523, 94524, and 94526. Added new sections 94700 and 94701, Title 17, CCR.	Amendments replace the second tier mass-based VOC limits for 35 product categories with equivalent reactivity-based limits. In addition, a new subchapter, Subchapter 8.6, in title 17, CCR was adopted. New Subchapter 8.6, in sections 94700 and 94701, contains Tables of MIR Values that are used to set reactivity-based limits and determine compliance.
10/26/2000/ (4/24/2001)	Amendments to the Regulation to Reduce VOC Emissions from Antiperspirants and Deodorants.	Amendments to Article 2, Sections 94502 and 94504, Title 17, CCR.	Amendments increased the HVOC limit for aerosol antiperspirants to 40 percent from the current zero percent limit, beginning 1/1/2001. The MVOC limit of 10 percent remains unchanged.
6/24/2004/ (7/20/2005) Continues to next page	Amendments to the Consumer Products, Test Method 310, Antiperspirants and Deodorants, Aerosol Coating Products, and an	Amendments to sections 94501, 94506, 94507, 94508, 94509, 94510, 94512, 94513, 94515, and 94526, title 17, California Code of	Amendments established new VOC limits for 15 product categories. Regulatory action also prohibited the use of three toxic air contaminants--methylene chloride, perchloroethylene, and trichloroethylene--in seven product categories. The ATCM prohibits the use of para-dichlorobenzene in toilet/urinal care products and solid air

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Continued	Airborne Toxic Control Measure (ATCM) for Para-Dichlorobenzene	Regulations (CCR) and adoption of Amendments to ARB Method 310, which is incorporated by reference in sections 94506, 94515, and 94526, title 17, CCR.	fresheners. Amendments also modified and updated Method 310 used to determine the percent by weight of reactive organic compounds in aerosol coating products and VOCs in consumer products and AP/DO products.
11/16/2006/ (12/08/2007)	Amendments to the Aerosol Coating Products Regulation and the Consumer Products Regulation	Amendments to sections 94508, 94509, 94510, 94513, and 94523, title 17, California Code of Regulations (CCR). Non-substantial or solely grammatical changes are also proposed to sections 94507, 94511, 94512, 94514, 94515, 94516, and 94517.	Consumer Products Regulation amended by adding and modifying product category definitions and by establishing new VOC limits for 16 product categories. For some of the categories, separate VOC limits are specified for different product forms. New or modified VOC limits become effective on December 31, 2008, remainder become effective on December 31, 2010. Regulatory action also prohibits use of three toxic air contaminants--methylene chloride, perchloroethylene, and trichloroethylene--in the following products categories: "Bathroom and Tile Cleaner," "Construction, Panel, and Floor Covering Adhesive," "General Purpose Cleaner," and "Oven Cleaner." Amendment was also adopted to section 94523 (Exemptions) of the Aerosol Coatings Regulation. Amendment clarifies several product categories are exempt from regulation under the Aerosol Coatings Regulation.
11/16/2006/ (12/08/2007)	Amendments to the Aerosol Coating Products Regulation and the Consumer Products Regulation	Amendments to sections 94508, 94509, 94510, 94513, and 94523, title 17, California Code of Regulations (CCR). Non-substantial or solely grammatical changes are also proposed to sections 94507, 94511, 94512, 94514, 94515, 94516, and 94517.	Consumer Products Regulation amended by adding and modifying product category definitions and by establishing new VOC limits for 16 product categories. For some of the categories, separate VOC limits are specified for different product forms. New or modified VOC limits become effective on December 31, 2008, remainder become effective on December 31, 2010. Regulatory action also prohibits use of three toxic air contaminants--methylene chloride, perchloroethylene, and trichloroethylene--in the following products categories: "Bathroom and Tile Cleaner," "Construction, Panel, and Floor Covering Adhesive," "General Purpose Cleaner," and "Oven Cleaner." Amendment was also adopted to section 94523 (Exemptions) of the Aerosol Coatings Regulation. Amendment clarifies several product categories are exempt from regulation under the Aerosol Coatings Regulation.

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6/26/2008/ (7/18/2009)	Amendments to the Consumer Products Regulation	Amendments to sections 94508, 94509, 94510, 94512, 94513, and 94515, title 17, California Code of Regulations.	Regulation was amended by adding and modifying product category definitions and by establishing new or lower VOC limits for 19 product categories. A mass limit was adopted for fabric softener products used in clothes dryers. An additional amendment removed the "grandfather" clause that pertains to Personal Fragrance Products with 20 percent or less fragrance. Removal of this clause requires all Personal Fragrance Products with 20 percent or less fragrance to meet a single VOC limit. The new or modified VOC limits become effective between December 31, 2010 and December 31, 2015. This action also prohibits the use of three toxic air contaminants--methylene chloride, perchloroethylene, and trichloroethylene--in the following product categories: "Carpet/Upholstery Cleaner," "Fabric Protectant," "Multi-Purpose Lubricant," "Penetrant," "Sealant or Caulking Compound," and "Spot Remover." Use of methylene chloride and perchloroethylene are also prohibited in "Pressurized Gas Duster" products. To partially fulfill the Discrete Early Action Measure for consumer products, the amendments will reduce the use of compounds with high GWP in Pressurized Gas Duster products. These products can only use compounds with GWP factors below 150. The GWP values used to determine compliance are those set forth in the Intergovernmental Panel on Climate Change, Second Assessment Report. The Board also adopted a modification to the definition of VOC. This modification excludes hydrofluoroether 7200 from the definition based on its negligible impacts on ground-level ozone formation.
9/24/2009/ (10/20/2010) Continues to next page	Amendments to the Consumer Products Regulation	Amendments to sections 94508, 94509, 94510, 94512, 94513, and 94515, title 17, California Code of Regulations.	Amendments set new or lower VOC limits for three product categories: Double Phase Aerosol Air Freshener, Multi-purpose Solvent, and Paint Thinner. Amendments also set global warming potential (GWP) limits for the three subject categories. In addition, use of the toxic air contaminants (TAC) perchloroethylene, methylene chloride, and trichloroethylene was prohibited in Multi-purpose Solvent and Paint Thinner products. Other provisions included limiting the aromatic compound content of Paint Thinner and Multi-purpose Solvent products to 1 percent by weight; providing an exemption for 8 fluid

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Continued			ounce containers of Paint Thinner from compliance with the VOC limits until 12/31/13; requiring labeling to address public safety for flammable and extremely flammable Paint Thinner and Multi-purpose Solvent products until 12/31/15; and requiring reporting of data for calendar year 2011 sales of Paint Thinner and Multi-purpose Solvent products. Other amendments are: minor labeling changes for dilutable Windshield Washer Fluid products; other language modifications to clarify and improve existing regulatory provisions; and various amendments to test Method 310, to clarify procedures.
11/18/2010/ (12/10/2011)	Amendments to the Consumer Products Regulation and Test Method 310	Amendments to sections 94508, 94509, 94510, 94512, and 94515, title 17, California Code of Regulations and amendments to Method 310, which is incorporated by reference in section 94515, title 17, CCR, to amend section 2.0 and add new subsections 3.3.8 and 4.2.3.	Amendments set new or lower VOC limits for 11 categories of consumer products, becoming effective between December 31, 2012, and December 31, 2014. When fully implemented, about 6.9 tons per day of VOC emission reductions would be achieved. The amendments also prohibit the use of several chlorinated Toxic Air Contaminants in seven categories, the use of compounds with higher global warming potentials in nine categories, and the use of alkylphenol ethoxylate surfactants in five categories. Amendments to Test Method 310 set forth analytical methods and procedures to be followed to determine the VOC content of "Fabric Softener-Single Use Dryer Product" and the aromatic compound content of "Paint Thinner" and "Multi-purpose Solvent" products.
10/18/2012/ (7/1/2013)	Amendments to the Consumer Products Regulation	Amendments to sections 94508, 94509, title 17, California Code of Regulations.	The amendments to the Consumer Products Regulation pertaining to Automotive Windshield Washer Fluid (AWWF) products revise the current definition of Type "A" areas by including additional mountainous areas that routinely experience freezing temperatures in the winter. The amendments allow the sale of ready-to-use AWWF products with a VOC content of up to 25 percent by weight in these new areas. The new Type "A" areas are identified by ZIP code. The amendments also clarify existing Type "A" areas by listing these areas by county name rather than air basin. The amendments also allow concentrated products to include language advising the consumer to dilute to Type A areas if traveling during times when freezing temperatures are expected.