

**APPENDIX E:
Summary of Regulations Adopted
and Dates of Regulatory Amendments**

Summary of Consumer Products Regulatory Actions

| Date | Regulatory Action | Effective Date | Site | Comments |
|----------|--|----------------|--|---|
| 6/16/89 | Consumer Products Control Plan. | N/A | N/A | First Board action on consumer products. Board approved overall plan to fulfill HSC Section 41712 mandate and a goal of achieving a 50 percent reduction in VOC emissions from consumer products. |
| 11/8/89 | Regulation to Reduce VOC Emissions from Antiperspirants and Deodorants. | 2/27/91 | 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. | N/A | 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 | Regulation for Reducing VOC Emissions from Consumer Products - Phase I. | 10/21/91 | 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 | Adoption of Amendments to the Regulation for Reducing VOC Emissions from Consumer Products - Phase II. | 1/6/93 | 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 | Adoption of the Alternative Control Plan Regulation for Consumer Products. | 9/9/95 | 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 | Approval of the California State Implementation Plan for Ozone. | 2/14/95 | N/A | Board approval of Ozone SIP which includes consumer products element comprised of near, midterm, and long term measures. |

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| 3/23/95 | Regulation for Reducing VOC Emissions from Aerosol Coating Products and Amendments to the Alternative Control Plan. | 1/8/96 | 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. |
| 9/28/95 | Amendments to the California Regulations for Reducing VOC Emissions from Antiperspirants and Deodorants, Consumer Products, and Aerosol Coating Products. | 2/29/96 | 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 | Amendments to the California Regulations for Reducing VOC Emissions from Consumer Products and Aerosol Coating Products. | 11/18/97 | 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 | Amendments Pertaining to Hairspray in the California Consumer Products Regulation. | 8/24/98 | 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. |

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| 7/24/97 | Amendments to the Consumer Products Regulation, Mid-term Measures I. | 7/1/98 | 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 | Amendments to the Aerosol Coating Products, the Antiperspirants and Deodorants Regulation, and the Consumer Products Regulation. | 6/24/99 | 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. |
| 10/28/99 | Amendments to the Consumer Products Regulation, Mid-term Measures II. | 11/19/2000 | Amendments to Article 2, Section 94508, 94509, and 94513. | 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 consolidates and expands the existing reporting requirements for products containing methylene chloride or perchloroethylene. |
| 5/25/2000 | Amendments to the Consumer Products Regulation relating to Aerosol Adhesives. | 5/18/2001 | 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. |

Summary of Consumer Products Regulatory Actions

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| 6/22/2000 | Consumer Products Relating to Aerosol Coating Products, Proposed Tables of Maximum Incremental Reactivity (MIR) Values, and Amendments to Method 310. | 7/18/2001 | Amendments to Article 3, Sections 94521, 94522, 94523, 94524, and 94526. Added new sections 94700 and 94701, to 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 | Amendments to the Regulation to Reduce VOC Emissions from Antiperspirants and Deodorants. | 4/24/2001 | Amendments to Article 1, 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 | Amendments to the Consumer Products Regulations, Method 310 and Adoption of Airborne Toxic Control Measure (ATCM) for Para-Dichlorobenzene. | TBD | Amendments to Article 2, Sections 94501, 94506, 94507, 94508, 94509, 94510, 94512, 94513, 94515, and 94526, Title 17, CCR and Amendments to ARB Method 310, which is incorporated by reference in sections 94506, 94515, and 94526, title 17, CCR. | Amendments establishes new VOC limits for 15 product categories. Most of the VOC limits would become effective 12/31/ 2006. The VOC limit for the aerosol "Anti-static Product" category would become effective on 12/31/2008 and a second, future-effective VOC limit for the "Shaving Gel" category would become effective on 12/31/ 2009. Amendments also prohibit the use of three toxic air contaminants--methylene chloride, perchloroethylene, and trichloroethylene--in seven product categories (Adhesive Removers; Contact Adhesives; General Purpose Degreasers; Electrical Cleaners; Electronic Cleaners; Footwear or Leather Care Products; and Graffiti Removers). The ATCM prohibits the use of para-dicholorobenzene in toilet/urinal care products and solid air fresheners. It will also remove the existing exemption for "air fresheners containing at least 98% para-dicholorobenzene" in section 94510(g) of the Consumer Products Regulation. |