

Methodologies for Determining Fee Emissions for Consumer Products Manufacturers

for

Fiscal Year 2014-2015

- Fiscal Year (FY) 2014-2015 fees are determined using 2012 volatile organic compound (VOC) emissions.
- Air Resources Board (ARB) staff determined per-company 2012 VOC emissions using combined information from the following surveys:
 - 2001 Air Resources Board (ARB) Consumer and Commercial Products Survey (2001 CP Survey);
 - 2003 ARB Consumer and Commercial Products Survey (2003 CP Survey);
 - 2006 ARB Consumer and Commercial Products Survey (2006 CP Survey);
 - 2008 ARB Paint Thinner and Multi-purpose Solvent Survey (2008 PT and MPS Survey); and
 - 2010 ARB Aerosol Coatings and Aerosol Adhesives Product Survey (2010 AC and AA Survey).
- The survey data were used except for those companies that elected to submit more recent information. If a company submitted comprehensive product sales and formulation information for 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, or 2012 this information was used in combination with information from the surveys conducted after a company submittal. In cases where emissions information for a product category was available in more than one survey or comprehensive product sales and formulation submittal, only the most recent category emissions data set was used to avoid counting a product more than once.
- VOC emissions have been adjusted by California population growth. The table below lists approximate percent increases in population in California between the year of data submittal and 2012.

Sales Data Year	CA Population Percent Increase Between Sales Year and 2012*
2001	9.97
2002	8.63
2003	7.25
2004	6.16
2005	5.47
2006	4.71
2007	3.83
2008	2.98
2009	2.36
2010	1.70
2011	1.00
2012	0

*The California Department of Finance is the source for the population data.

- For FY 2014-2015 fee emissions, adjustments have been made for standards that went into effect for 2012, where applicable. When products' VOC content is above these standards, they are adjusted to the VOC limit for their respective categories. The product categories and VOC limits are identified below:

<u>Category</u>	<u>VOC Limit (Percent by Weight)</u>
Air Freshener	
Double Phase Aerosol	20
General Purpose Cleaner	
nonaerosol	0.5
General Purpose Degreaser	
nonaerosol	0.5
Glass Cleaner	
aerosol	10
nonaerosol	3
Metal Polish or Cleanser	
aerosol	15
nonaerosol	3
Sealant or Caulking Compound	
Chemically Curing (nonaerosol)	3
Spot Remover	
aerosol	15
nonaerosol	3

(Source: ARB, Regulation for Reducing VOC Emissions from Consumer Products; available at <http://www.arb.ca.gov/consprod/regact/gencpreqs.htm>)

- Adjustments were made for product categories surveyed in one or more of the following surveys: 2001 CP Survey, 2003 CP Survey, 2006 CP Survey, 2008 MPS and PT Survey, and 2010 AC and AA Survey. The 2001, 2003 and 2006 CP Survey product categories are available at these links, <http://www.arb.ca.gov/consprod/regact/2001surv/survey6.pdf>, <http://www.arb.ca.gov/consprod/regact/2003surv/s7.pdf> and <http://www.arb.ca.gov/consprod/regact/2006surv/s13.pdf>, respectively. Information about 2008 MPS and PT Survey, and 2010 AC and AA Survey is available at these links, <http://www.arb.ca.gov/consprod/regact/tscpwg/letter.pdf> and <http://www.arb.ca.gov/consprod/regact/2010surv/2010surv.htm>, respectively.
- Aerosol Coatings emissions were determined using sales and VOC ingredient information gathered in the 2010 AC and AA Survey. A direct calculation of VOC emissions using sale and VOC ingredients information was performed.
- The per-company emissions do not reflect survey market coverage adjustments. Adjustment factors are not applicable to individual companies.
- Some information on low vapor pressure (LVP)-VOCs was obtained in the surveys. However, LVP-VOCs are not currently included in the per-company emissions for consumer products. As LVP-VOC data collected through future consumer product surveys is improved, ARB staff will evaluate whether it is appropriate to include per-company emissions of LVP-VOCs that are likely to see an atmospheric fate.

BACKGROUND INFORMATION FOR PREVIOUS FISCAL YEARS:

- Previous years' methodologies for determining fee emissions for consumer products manufacturers are available at <http://www.arb.ca.gov/consprod/regact/feewg/feewg.htm>.
- FY 2003-2004, FY 2004-2005, FY 2005-2006, FY 2006-2007, FY 2007-2008, FY 2008-2009, FY 2009-2010, FY 2010-2011, FY 2011-2012, FY 2012-2013, and FY 2013-2014 fees were determined using 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, and 2011 VOC emissions, respectively.
- For further information on fee emissions determination for previous fiscal years please refer to previous years' methodologies.