

Preliminary Methodologies for Determining Fee Emissions for Consumer Products Manufacturers for Fiscal Year 2015-2016

- Fiscal Year (FY) 2015-2016 fees are determined using 2013 volatile organic compound (VOC) emissions.
- Air Resources Board (ARB) staff determined per-company 2013 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, 2012, or 2013 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 2013.

| Sales Data Year | CA Population Percent Increase Between Sales Year and 2012* |
|-----------------|--|
| 2001 | 10.90 |
| 2002 | 9.55 |
| 2003 | 8.16 |
| 2004 | 7.05 |
| 2005 | 6.36 |
| 2006 | 5.60 |
| 2007 | 4.71 |
| 2008 | 3.85 |
| 2009 | 3.23 |
| 2010 | 2.56 |
| 2011 | 1.85 |
| 2012 | 0.85 |
| 2013 | 0 |

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

- For FY 2015-2016 fee emissions, adjustments have been made for standards that went into effect for 2013, 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> |
|--|---|
| Furniture Maintenance Product aerosol | 12 |
| Heavy-duty Hand Cleaner or Soap nonaerosol | 1 |
| Flying Bug Insecticide aerosol | 20 |
| Wasp or Hornet Insecticide | 10 |
| Anti-Seize Lubricant aerosol | 40 |
| nonaerosol | 3 |
| Cutting or Tapping Oil aerosol | 25 |
| nonaerosol | 3 |
| Gear, Chain, or Wire Lubricant aerosol | 25 |
| nonaerosol | 3 |
| Multi-purpose Lubricant (excluding solid or semisolid) | 25 |
| Penetrant | 25 |
| Rust Preventative or Rust Control Lubricant aerosol | 25 |
| nonaerosol | 3 |
| Multi-purpose Solvent | 3 |
| Paint Thinner | 3 |

(Source: ARB, Regulation for Reducing VOC Emissions from Consumer Products; available at <http://www.arb.ca.gov/consprod/regs/gencregs.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, and emissions were adjusted by California population growth.

- 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, FY 2013-2014, and FY 2014-2015 fees were determined using 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, and 2012 VOC emissions, respectively.
- For further information on fee emissions determination for previous fiscal years please refer to previous years' methodologies.