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Department of Environmental Quality
Office of the Secretary
Legal Affairs Division

Advance Notice of Rulemaking and Solicitation of Comments on
Organic Solvents and Solvent Degreasers, Log #AQ307 (LAC 33:III.111 and 2123)
(0908Pot1)

The Louisiana Department of Environmental Quality is requesting comments on the draft regulations regarding organic solvents and solvent degreasers, LAC 33:III.111 and 2123 (AQ307). The draft regulation is a result of new and revised Control Techniques Guidelines (CTG) issued by the Environmental Protection Agency (EPA). This is a preliminary step in the rulemaking process. Official rulemaking will be initiated after review and consideration of the comments received on this advance notice. The revisions include changes to surface coating industries (LAC 33:III.2123.C) using organic solvents for the surface coating of: miscellaneous metal parts and products; miscellaneous plastic parts and products; automotive/transportation plastic parts; business machine plastic parts; pleasure crafts; motor vehicle materials; marine vessels and oilfield tubulars and ancillary oilfield equipment; assembly line automobiles and light duty trucks; and fiberglass boat manufacturing materials.

The Clean Air Act (CAA) Section 172(c)(1) provides that state implementation plans (SIPs) for nonattainment areas must include reasonably available control measures (RACT), including reasonably available control technology (RACT), for sources of emissions. CAA Section 182(b)(2)(A) provides that for certain nonattainment areas, states must revise their SIPs to include RACT for each category of VOC sources covered by a CTG document issued between November 15, 1990, and the date of attainment. Through issuance of a CTG, EPA provides states with guidance concerning what types of controls could constitute a RACT for a given source category. States can follow the CTG and adopt state regulations to implement the recommendations contained therein, or they can adopt alternative approaches. The states must submit their RACT rules to EPA for review and approval as part of the SIP process. This rule amends the state air regulations to follow the CTG recommendations provided by EPA, which will then be included in the SIP to meet the requirements of the CAA.

The department is seeking comments regarding relevant information concerning the fiscal impact and regulatory flexibility that the draft regulation could have on small businesses. Specific information sought by the department is: identification and estimate of the number of small businesses subject to the draft regulation; reporting, recordkeeping, and other administrative costs required for compliance with the draft regulation; less intrusive or less costly alternative methods which would achieve the same purpose of the draft regulation; and probable effect on impacted small businesses.

A public hearing will be held on September 24, 2009, at 1:30 p.m. in the Galvez Building, Oliver Pollock Conference Room, 602 N. Fifth Street, Baton Rouge, LA 70802. Interested persons are invited attend and submit oral comments on the proposed amendments.

Should individuals with a disability need an accommodation in order to participate, contact Timothy Bergeron at the address given below or at (225) 219-3490. Two hours of free parking are allowed in the Galvez Garage with a validated parking ticket.

All interested persons are encouraged to submit written comments on the draft proposal. Comments are due no later than 4:30 p.m., September 24, 2009, and should be submitted to Timothy Bergeron, Office of Environmental Assessment, Engineering Section, Box 4314, Baton Rouge, LA 70821-4314 or to FAX (225) 219-3240 or by email to timothy.bergeron@la.gov. Persons commenting should reference this document as AQ307. If you have any questions regarding this document please contact Timothy Bergeron at (225) 219-3490. Copies of this draft proposed rule can be purchased by contacting DEQ Public Records Center at (225) 219-3168. Check or money order is required in advance for each copy of AQ307. This draft rule is available on the internet at <http://www.deq.louisiana.gov/portal/tabid/1669/Default.aspx>.

The draft rule is also available for inspection at the following DEQ office locations from 8 a.m. until 4:30 p.m.: 602 N. Fifth Street, Baton Rouge, LA 70802; 1823 Highway 546, West Monroe, LA 71292; State Office Building, 1525 Fairfield Avenue, Shreveport, LA 71101; 1301 Gadwall Street, Lake Charles, LA 70615; 201 Evans Road, Bldg. 4, Suite 420, New Orleans, LA 70123; 111 New Center Drive, Lafayette, LA 70508; 110 Barataria Street, Lockport, LA 70374.

Herman Robinson, CPM
Executive Counsel

TITLE 33
ENVIRONMENTAL QUALITY
Part III. Air

Chapter 1. General Provisions

§111. Definitions

A. When used in these rules and regulations, the following words and phrases shall have the meanings ascribed to them below.

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Coldset Printing—a web offset printing process in which ink is allowed to dry naturally through absorption and evaporation.

* * *

Flexible Package Printing Facility—a facility that uses either rotogravure printing or flexographic printing processes on flexible packaging.

Flexible Packaging—any package or part of a package the shape of which can be readily changed, including, but not limited to, bags, pouches, liners, and wraps utilizing paper, plastic, film, aluminum foil, metalized or coated paper or film, or any combination of these materials.

* * *

Fountain Solution—a solution used on an offset lithographic press to keep the ink from adhering to the non-image areas of the offset lithographic plate.

* * *

Heatset Dryer—a hot air dryer used in heatset lithography to heat the printed substrate and to promote the evaporation of the ink oils.

Heatset Web Offset Lithographic Printing—a type of web offset lithographic printing process where heat is applied via a drying oven to set and dry the ink.

* * *

Letterpress Printing—relief printing of text and/or images using a press with a “type-high bed,” in which a reversed, raised surface is inked and then pressed into a sheet of paper to obtain a positive, right-reading image.

* * *

Miscellaneous Metal Parts and Products Coating—the coating of miscellaneous metal parts and products in the following categories:

a. – f. ...

g. any other category of coated metal products except those on the specified list in LAC 33:III.2123.C. Table 1, Items ~~4-6, 5-7,~~ and ~~13-17~~ of surface coating processes, which are included in the Standard Industrial Classification Code major group 33 (primary metal industries), major group 34 (fabricated metal products), major group 35 (nonelectrical machinery), major group 36 (electrical machinery), major group 37 (transportation equipment), major group 38 (miscellaneous instruments), and major group 39 (miscellaneous manufacturing industries).

* * *

Offset Lithographic Printing—an indirect printing method in which ink is transferred from the lithographic plate to a rubber-covered intermediate “blanket” cylinder, and then from the blanket cylinder to the paper or other printing substrate.

* * *

Sheet-Fed Printing—a process in which individual sheets of paper or other substrates are fed into the press.

* * *

Web Printing—a process where a continuous roll of paper or other substrate is fed into the press, and rewound or cut to size after printing.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2054.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Nuclear Energy, Air Quality Division, LR 13:741 (December 1987), amended LR 14:348 (June 1988), LR 15:1061 (December 1989), amended by the Office of Air Quality and Radiation Protection, Air Quality Division, LR 17:777 (August 1991), LR 21:1081 (October 1995), LR 22:1212 (December 1996), amended by the Office of Environmental Assessment, Environmental Planning Division, LR 26:2444 (November 2000), amended by the Office of the Secretary, Legal Affairs Division, LR 32:808 (May 2006), LR 32:1599 (September 2006), LR 33:2082 (October 2007), LR 34:70 (January 2008), LR 35:1101 (June 2009), LR 36:**.

Chapter 21. Control of Emission of Organic Compounds

Subchapter B. Organic Solvents

§2123. Organic Solvents

A. Except as provided in Subsections B and C of this Section, any emission source using organic solvents having an emission of organic solvents of more than ~~3 pounds (1.3 kilograms) per hour~~ or 15 pounds (6.8 kilograms) per day shall reduce the emission, where feasible, by incorporating one or more of the following control methods:

A.1. – B.2. ...

C. Surface Coating Industries. No person may cause, suffer, allow, or permit volatile organic compound (VOC) emissions from the surface coating of any materials affected by this Subsection to exceed the emission limits as specified in this Section.

Table 1. Surface Coating Industries

<u>Affected Facility</u>	Daily Weighted Average VOC Emission Limitation	
Affected Facility	Lbs. per Gal. of Coating as applied (minus water and exempt solvent)	Kgs. per Liter of Coating as applied (minus water and exempt solvent)
1. Large Appliance Coating Industry		
General, One Component (Baked/Air Dried)	2.3 / 2.3	0.275 / 0.275
General, Multi-Component (Baked/Air Dried)	2.3 / 2.8	0.275 / 0.340
Extreme High Gloss (Baked/Air Dried)	3.0 / 2.8	0.360 / 0.340
Extreme Performance (Baked/Air Dried)	3.0 / 3.5	0.360 / 0.420
Heat Resistant (Baked/Air Dried)	3.0 / 3.5	0.360 / 0.420
Metallic (Baked/Air Dried)	3.5 / 3.5	0.420 / 0.420

Table 1. Surface Coating Industries		
<u>Affected Facility</u>	Daily Weighted Average VOC Emission Limitation	
<u>Affected Facility</u>	Lbs. per Gal. of Coating as applied (minus water and exempt solvent)	Kgs. per Liter of Coating as applied (minus water and exempt solvent)
Pretreatment Coatings (Baked/Air Dried)	3.5 / 3.5	0.420 / 0.420
Solar Absorbent (Baked/Air Dried)	3.0 / 3.5	0.360 / 0.420
2. Surface Coating of Cans		
Sheet Basecoat (E <u>xterior and I</u> <u>nterior</u>) and O <u>ver-V</u> <u>arnish:</u> Two-P <u>iece C</u> <u>ean E</u> <u>xterior</u> (B <u>asecoat and O</u> <u>ver-V</u> <u>arnish</u>)	2.8	0.34
Two and T <u>hree-P</u> <u>iece C</u> <u>ean</u> <u>I</u> <u>nterior B</u> <u>ody S</u> <u>spray, T</u> <u>wo-</u> <u>P</u> <u>iece C</u> <u>ean E</u> <u>xterior E</u> <u>nd</u> (S <u>spray or R</u> <u>oll C</u> <u>coat</u>)	4.2	0.51
Three-P <u>iece C</u> <u>ean S</u> <u>ide-S</u> <u>eam</u> S <u>spray</u>	5.5	0.66
End S <u>ealing C</u> <u>ompound</u>	3.7	0.44
3. Surface Coating of Coils		
Prime and T <u>opcoat or S</u> <u>ingle</u> C <u>oat O</u> <u>peration</u>	2.6	0.31
4. Surface Coating of Fabrics		
Fabric Facility	2.9	0.35
Vinyl Coating Line (E <u>xcept</u> Plasticol C <u>oatings</u>)	3.8	0.45
5. Surface Coating of Assembly Line Automobiles and Light Duty Trucks		
Prime application, flashoff area and oven (determined on a monthly basis)	1.2	0.14
Primer surface application flashoff area and oven	2.8	0.34
Topcoat application, flashoff area and oven	2.8	0.34
Final repair application, flashoff area and oven	4.8	0.58
As an alternative to the emission limitation of 2.8 pounds of VOC per gallon of coating applied for the primer surfacer and/or topcoat application, compliance with these emission limitations may be demonstrated by meeting a standard of 15.1 pounds of VOC per gallon of solids deposited.		
6.5. Surface Coating—Magnet Wire Coating		
Coating Line	1.7	0.20

Table 1. Surface Coating Industries		
<u>Affected Facility</u>	Daily Weighted Average VOC Emission Limitation	
<u>Affected Facility</u>	Lbs. per Gal. of Coating as applied (minus water and exempt solvent)	Kgs. per Liter of Coating as applied (minus water and exempt solvent)
76. Surface Coating of Metal Furniture		
General, One Component (Baked/Air Dried)	2.3 / 2.3	0.275 / 0.275
General, Multi-Component (Baked/Air Dried)	2.3 / 2.8	0.275 / 0.340
Extreme High Gloss (Baked/Air Dried)	3.0 / 2.8	0.360 / 0.340
Extreme Performance (Baked/Air Dried)	3.0 / 3.5	0.360 / 0.420
Heat Resistant (Baked/Air Dried)	3.0 / 3.5	0.360 / 0.420
Metallic (Baked/Air Dried)	3.5 / 3.5	0.420 / 0.420
Pretreatment Coatings (Baked/Air Dried)	3.5 / 3.5	0.420 / 0.420
Solar Absorbent (Baked/Air Dried)	3.0 / 3.5	0.360 / 0.420
87. Surface Coating of Miscellaneous Metal Parts and Products		
<u>General, One Component or Multi-Component (Baked/Air Dried)</u>	<u>2.3 / 2.8</u>	<u>0.28 / 0.34</u>
<u>Camouflage</u>	<u>3.5</u>	<u>0.42</u>
<u>Electric Insulating Varnish</u>	<u>3.5</u>	<u>0.42</u>
<u>Etching Filler</u>	<u>3.5</u>	<u>0.42</u>
<u>Extreme High Gloss (Baked/Air Dried)</u>	<u>3.0 / 3.5</u>	<u>0.36 / 0.42</u>
<u>Extreme Performance (Baked/Air Dried)</u>	<u>3.0 / 3.5</u>	<u>0.36 / 0.42</u>
<u>Heat Resistant (Baked/Air Dried)</u>	<u>3.0 / 3.5</u>	<u>0.36 / 0.42</u>
<u>High Performance Architectural</u>	<u>6.2</u>	<u>0.74</u>
<u>High Temperature</u>	<u>3.5</u>	<u>0.42</u>
<u>Metallic</u>	<u>3.5</u>	<u>0.42</u>
<u>Military Specification (Baked/Air Dried)</u>	<u>2.3 / 2.8</u>	<u>0.28 / 0.34</u>
<u>Mold Seal</u>	<u>3.5</u>	<u>0.42</u>
<u>Pan Baking</u>	<u>3.5</u>	<u>0.42</u>
<u>Prefabricated Architectural, One Component or Multi-Component (Baked/Air Dried)</u>	<u>2.3 / 3.5</u>	<u>0.28 / 0.42</u>
<u>Pretreatment Coatings</u>	<u>3.5</u>	<u>0.42</u>

Table 1. Surface Coating Industries		
<u>Affected Facility</u>	Daily Weighted Average VOC Emission Limitation	
<u>Affected Facility</u>	Lbs. per Gal. of Coating as applied (minus water and exempt solvent)	Kgs. per Liter of Coating as applied (minus water and exempt solvent)
<u>Repair and Touch Up (Baked/Air Dried)</u>	<u>3.0 / 3.5</u>	<u>0.36 / 0.42</u>
<u>Silicone Release</u>	<u>3.5</u>	<u>0.42</u>
<u>Solar Absorbent (Baked/Air Dried)</u>	<u>3.0 / 3.5</u>	<u>0.36 / 0.42</u>
<u>Vacuum Metalizing</u>	<u>3.5</u>	<u>0.42</u>
<u>Drum Coating, New, Exterior</u>	<u>2.8</u>	<u>0.34</u>
<u>Drum Coating, New, Interior</u>	<u>3.5</u>	<u>0.42</u>
<u>Drum Coating, Reconditioned, Exterior</u>	<u>3.5</u>	<u>0.42</u>
<u>Drum Coating, Reconditioned, Interior</u>	<u>4.2</u>	<u>0.50</u>
<u>Clear Coat</u>	<u>4.3</u>	<u>0.52</u>
<u>Air or force air dried items (not oven dried)</u>	<u>3.5</u>	<u>0.42</u>
<u>Frequent color change and/or large numbers of colors applied, or first coat on untreated ferrous substrate</u>	<u>3.0</u>	<u>0.36</u>
<u>Outdoor or harsh exposure or extreme performance characteristics</u>	<u>3.5</u>	<u>0.42</u>
<u>No or infrequent color change, or small number of colors applied:</u>		
<u>a. Powder Coating</u>	<u>0.4</u>	<u>0.05</u>
<u>b. Other</u>	<u>3.0</u>	<u>0.36</u>
<u>These limits do not apply to operations covered in 1-7 or 10 herein or exterior coating of fully assembled aircraft, auto refinishing, and auto customizing topcoating (processing less than 35 vehicles per day).</u>		
8. Surface Coating of Miscellaneous Plastic Parts and Products		
<u>General, One Component</u>	<u>2.3</u>	<u>0.28</u>
<u>General, Multi-Component</u>	<u>3.5</u>	<u>0.42</u>
<u>Electric Dissipating Coatings and Shock-Free Coatings</u>	<u>6.7</u>	<u>0.80</u>
<u>Extreme Performance</u>	<u>3.5</u> <u>(2-pack coatings)</u>	<u>0.42</u> <u>(2-pack coatings)</u>
<u>Metallic</u>	<u>3.5</u>	<u>0.42</u>
<u>Military Specification</u>	<u>2.8 (1 pack)</u> <u>3.5 (2 pack)</u>	<u>0.34 (1 pack)</u> <u>0.42 (2 pack)</u>

Table 1. Surface Coating Industries		
<u>Affected Facility</u>	Daily Weighted Average VOC Emission Limitation	
<u>Affected Facility</u>	Lbs. per Gal. of Coating as applied (minus water and exempt solvent)	Kgs. per Liter of Coating as applied (minus water and exempt solvent)
<u>Mold Seal</u>	<u>6.3</u>	<u>0.76</u>
<u>Multi-Colored Coatings</u>	<u>5.7</u>	<u>0.68</u>
<u>Optical Coatings</u>	<u>6.7</u>	<u>0.80</u>
<u>Vacuum Metalizing</u>	<u>6.7</u>	<u>0.80</u>
9. Surface Coating of Automotive/Transportation Plastic Parts		
a. High Bake Coatings–Interior and Exterior Parts		
<u>Flexible Primer</u>	<u>4.5</u>	<u>0.54</u>
<u>Non-Flexible Primer</u>	<u>3.5</u>	<u>0.42</u>
<u>Base Coat</u>	<u>4.3</u>	<u>0.52</u>
<u>Clear Coat</u>	<u>4.0</u>	<u>0.48</u>
<u>Non-Base Coat/Clear Coat</u>	<u>4.3</u>	<u>0.52</u>
b. Low Bake/Air Dried Coatings–Exterior Parts		
<u>Primer</u>	<u>4.8</u>	<u>0.58</u>
<u>Base Coat</u>	<u>5.0</u>	<u>0.60</u>
<u>Clear Coat</u>	<u>4.5</u>	<u>0.54</u>
<u>Non-Base Coat/Clear Coat</u>	<u>5.0</u>	<u>0.60</u>
c. Low Bake/Air Dried Coatings– Interior Parts	<u>5.0</u>	<u>0.60</u>
d. Touch Up and Repair Coatings	<u>5.2</u>	<u>0.62</u>
<u>For red, yellow, and black auto coatings, except touch up and repair coatings, the limit is determined by multiplying the appropriate limit in Item 9 of this Table by 1.15.</u>		
10. Surface Coating of Business Machine Plastic Parts		
<u>Primer</u>	<u>2.9</u>	<u>0.35</u>
<u>Topcoat</u>	<u>2.9</u>	<u>0.35</u>
<u>Texture Coat</u>	<u>2.9</u>	<u>0.35</u>
<u>Fog Coat</u>	<u>2.2</u>	<u>0.26</u>
<u>Touch Up and Repair</u>	<u>2.9</u>	<u>0.35</u>
11. Surface Coating of Pleasure Crafts		
<u>Extreme High Gloss Topcoat</u>	<u>4.1</u>	<u>0.49</u>
<u>High Gloss Topcoat</u>	<u>3.5</u>	<u>0.42</u>
<u>Pretreatment Wash Primer</u>	<u>6.5</u>	<u>0.78</u>
<u>Finish Primer/Surfacer</u>	<u>3.5</u>	<u>0.42</u>
<u>High Build Primer Surfacer</u>	<u>2.8</u>	<u>0.34</u>
<u>Aluminum Substrate Antifoulant Coating</u>	<u>4.7</u>	<u>0.56</u>
<u>Other Substrate Antifoulant Coating</u>	<u>2.8</u>	<u>0.33</u>

Table 1. Surface Coating Industries		
<u>Affected Facility</u>	Daily Weighted Average VOC Emission Limitation	
<u>Affected Facility</u>	Lbs. per Gal. of Coating as applied (minus water and exempt solvent)	Kgs. per Liter of Coating as applied (minus water and exempt solvent)
<u>All Other Pleasure Craft Surface Coatings for Metal or Plastic</u>	<u>3.5</u>	<u>0.42</u>
<u>12. Surface Coating of Motor Vehicle Materials</u>		
<u>Motor Vehicle Cavity Wax</u>	<u>5.4</u>	<u>0.65</u>
<u>Motor Vehicle Sealer</u>	<u>5.4</u>	<u>0.65</u>
<u>Motor Vehicle Deadener</u>	<u>5.4</u>	<u>0.65</u>
<u>Motor Vehicle Gaskets/Gasket- Sealing Material</u>	<u>1.7</u>	<u>0.20</u>
<u>Motor Vehicle Underbody Coating</u>	<u>5.4</u>	<u>0.65</u>
<u>Motor Vehicle Trunk Interior Coating</u>	<u>5.4</u>	<u>0.65</u>
<u>Motor Vehicle Bedliner</u>	<u>1.7</u>	<u>0.20</u>
<u>Motor Vehicle Lubricating Wax/Compound</u>	<u>5.8</u>	<u>0.70</u>
<u>The limits in Items 7-12 of this Table do not apply to operations covered in Items 1-6 or 13-17 herein, or to aerosol coatings, architectural coatings, or automobile refinish coatings.</u>		
<u>913. Factory Surface Coating of Flat Wood Paneling with VOC Emissions Greater Than 15 Pounds Per Day Before Controls</u>		
<u>All Inks, Coatings, and Adhesives</u>	<u>2.1</u>	<u>0.25</u>
<u>1014. Surface Coating for Marine Vessels and Oilfield Tubulars and Ancillary Oilfield Equipment</u>		
<u>a. Except as otherwise provided in this Section, a person shall not apply a marine coating with a VOC content in excess of the following limits:</u>		
<u>Baked Coatings</u>	<u>3.5</u>	<u>0.42</u>
<u>Air-Dried, Single-Component Alkyd or Vinyl Flat or Semi-Gloss Finish Coatings</u>	<u>3.5</u>	<u>0.42</u>
<u>Two Component Coatings</u>	<u>3.5</u>	<u>0.42</u>
<u>b. Except for the parishes of Ascension, Calcasieu, East Baton Rouge, Iberville, Livingston, Pointe Coupee, and West Baton Rouge, in which the VOC limitations in Subparagraph C.10Item 14.a of this Section Table may not be exceeded, specialty marine coatings and coatings on oilfield tubulars and ancillary oilfield equipment with a VOC content not in excess of the following limits may be applied:</u>		
<u>Heat Resistant</u>	<u>3.5</u>	<u>0.42</u>
<u>Metallic Heat Resistant</u>	<u>4.42</u>	<u>0.53</u>
<u>High Temperature (Fed. Spec. TT- P-28)</u>	<u>5.41</u>	<u>0.65</u>
<u>Pre-Treatment Wash Primer</u>	<u>6.5</u>	<u>0.78</u>
<u>Underwater Weapon</u>	<u>3.5</u>	<u>0.42</u>

Table 1. Surface Coating Industries		
<u>Affected Facility</u>	Daily Weighted Average VOC Emission Limitation	
<u>Affected Facility</u>	Lbs. per Gal. of Coating as applied (minus water and exempt solvent)	Kgs. per Liter of Coating as applied (minus water and exempt solvent)
Elastomeric Adhesives With 15 Percent by Weight Natural or Synthetic Rubber	6.08	0.73
Solvent-Based Inorganic Zinc Primer	5.41	0.65
Pre-Construction and Interior Primer	3.5	0.42
Exterior Epoxy Primer	3.5	0.42
Navigational Aids	3.5	0.42
Sealant for Wire-Sprayed Aluminum	5.4	0.648
Special Marking	4.08	0.49
Tack Coat (Epoxyes)	5.08	0.61
Low Activation Interior Coating	4.08	0.49
Repair and Maintenance Thermoplastic	5.41	0.65
Extreme High Gloss Coating	4.08	0.49
Antenna Coating	4.42	0.53
Antifoulant	3.66	0.44
High Gloss Alkyd	3.5	0.42
Anchor Chain Asphalt Varnish (Fed. Spec. TT-V-51)	5.2	0.62
Wood Spar Varnish (Fed. Spec. TT-V-119)	4.1	0.492
Dull Black Finish Coating (DOD- P-15146)	3.7	0.444
Tank Coatings (DOD-P-23236)	3.5	0.42
Potable Water Tank Coating (DOD-P-23236)	3.7	0.444
Flight Deck Markings (DOD-C- 24667)	4.2	0.504
Vinyl Acrylic Top Coats	5.4	0.648
Antifoulant Applied to Aluminum Hulls	4.5	0.55
H15. Paper, Film, Foil, Pressure- Sensitive Tape, and Label Surface Coating	Daily Weighted Average VOC Emission Limitation	
	kgKgs. VOC/kgKgs. Solids (lbLbs. VOC/lbLbs. Solids)	kgKgs. VOC/kgKgs. Coating (lbLbs. VOC/lbLbs. Coating)

Table 1. Surface Coating Industries			
<u>Affected Facility</u>	Daily Weighted Average VOC Emission Limitation		
<u>Affected Facility</u>	Lbs. per Gal. of Coating as applied (minus water and exempt solvent)	Kgs. per Liter of Coating as applied (minus water and exempt solvent)	
Paper, Film, and Foil	0.40	0.08	
Pressure-Sensitive Tape and Label	0.20	0.067	
<u>16. Surface Coating of Assembly Line Automobiles and Light Duty Trucks</u>	<u>Daily Weighted Average VOC Emission Limitation</u>		
	<u>Lbs. per Gal. of Deposited Solids (minus water and exempt solvent)</u>	<u>Kgs. per Liter of Deposited Solids (minus water and exempt solvent)</u>	
<u>Primer-Surfacer Operations (Including Application Area, Flashoff Area, and Oven)</u>	<u>12</u>	<u>1.44</u>	
<u>Topcoat Application (Including Application Area, Flashoff Area and Oven)</u>	<u>12</u>	<u>1.44</u>	
<u>Final Repair Application (Including Flashoff Area and Oven)</u>	<u>4.8</u>	<u>0.58</u>	
<u>Electrodeposition Primer Operations (Including Application Area, Spray/Rinse Stations, and Curing Oven)</u>	<u>When Solids Turnover Ratio is $R_T \geq 0.16$</u>	<u>When $0.040 \leq R_T < 0.160$</u>	<u>When $R_T < 0.040$</u>
	<u>0.084 kgs./liter (0.7 lbs./gal) coating solids applied</u>	<u>$0.084 \times 350^{0.160-R_T}$ kgs./liter (0.084 x 350^{0.160-R_T} x 8.34 lbs./gal.) coating solids applied</u>	<u>No VOC emission limit</u>
<u>17. Fiberglass Boat Manufacturing Materials</u>			
<u>These operations shall comply with all requirements of 40 CFR Part 63, Subpart VVVV, as incorporated by reference in LAC 33:III.3003, if total VOC emissions from all fiberglass boat manufacturing operations are more than 15 pounds (6.8 kilograms) per day.</u>			

D. Control Techniques

1. If add-on controls such as incinerators or vapor recovery systems are used to comply with the emission limitation requirements, in terms of pounds per gallon of solids as applied (determined in accordance with Paragraph D.8 of this Section), the volatile organic compound capture and abatement system shall be at least 80 percent efficient overall (85 percent for industrial cleaning solvents; and 90 percent for factory surface coating of flat wood paneling,

surface coating of metal furniture, large appliance coating, surface coating of miscellaneous metal parts and products, surface coating of miscellaneous plastic parts and products, surface coating of automotive/transportation plastic parts, surface coating of business machine plastic parts, surface coating of pleasure craft, and surface coating of motor vehicle materials). All surface coating facilities shall submit to the Office of Environmental Services, for approval, design data for each capture system and emission control device that is proposed for use. The effectiveness of the capture system (i.e., capture efficiency) shall be determined using the procedure specified in Paragraph E.6 of this Section.

2. – 3. ...

4. Compliance with the ~~alternative~~ emission limits established in Table 1, Item 16 of in Paragraph Subsection C.5 of this Section of 15.1 pounds of VOC per gallon of solids deposited shall be determined in accordance with EPA's "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light Duty Truck Topcoat Operations", EPA ~~450/3-88-018453/R-08-002, December, 1988~~ September, 2008.

5. ...

6. Surface coating facilities on any property in Ascension, Calcasieu, East Baton Rouge, Iberville, Livingston, Pointe Coupee, and West Baton Rouge parishes that when controlled have a potential to emit, at maximum production, a combined weight (total from the property) of VOCs less than 10 tons in any consecutive 12 calendar months are exempt from the provisions of Subsection C of this Section. Surface coating facilities on any property in parishes other than Ascension, Calcasieu, East Baton Rouge, Iberville, Livingston, Pointe Coupee, and West Baton Rouge that when uncontrolled have a potential to emit a combined weight of VOCs less than 100 pounds (45 kilograms) in any consecutive 24-hour period are exempt from the provisions of Subsection C of this Section. Any surface coating facility with VOC emissions of less than or equal to 15 pounds (6.8 kilograms) per day is exempt from the provisions of ~~Paragraphs C. Table 1, Items 1, 87, and 415 of Subsection C~~ of this Section.

7. – 9. ...

10. Control techniques for use of industrial cleaning solvents include:

- a. covering open containers and used applicators;
- b. minimizing air circulation around cleaning operations;
- c. properly disposing of used solvent and shop towels;
- d. implementing equipment practices that minimize emissions (e.g., keeping arts cleaners covered, maintaining cleaning equipment to repair solvent leaks, etc.);
- e. employing cleaning material with a VOC content limit of 50 grams VOC per liter (0.42 lb./gal.), or a composite vapor pressure of 8 millimeters of mercury at 20 degrees Celsius.

E. – I. ...

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2054.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Nuclear Energy, Air Quality Division, LR 13:741 (December 1987), amended LR 16:119 (February 1990), amended by the Office of Air Quality and Radiation Protection, Air Quality Division, LR 17:654 (July 1991), LR 18:1122 (October 1992), LR 22:340 (May 1996), LR 22:1212 (December 1996), LR 23:1678 (December 1997), LR 24:23 (January 1998), LR 24:1285 (July 1998), amended by the Office of Environmental Assessment, Environmental Planning Division, LR 25:1240 (July 1999), LR 26:2453 (November 2000), LR 28:1765 (August 2002), LR 30:746 (April 2004), amended by the Office of the Secretary, Legal

Affairs Division, LR 31:2440 (October 2005), LR 33:2086 (October 2007), LR 35:1102 (June 2009), LR 36:**.