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**TITLE 326 AIR POLLUTION CONTROL BOARD**

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**FINDINGS AND DETERMINATION OF THE COMMISSIONER  
PURSUANT TO [IC 13-14-9-8](#) AND DRAFT RULE  
LSA Document #10-413****DEVELOPMENT OF AMENDMENTS TO RULES CONCERNING MISCELLANEOUS METAL AND PLASTIC  
SURFACE COATING OPERATIONS****PURPOSE OF NOTICE**

The Indiana Department of Environmental Management (IDEM) has developed draft rule language for amendments to [326 IAC 8-2-1](#) and [326 IAC 8-2-9](#) concerning miscellaneous metal and plastic surface coating operations. IDEM is soliciting written comment on the draft rule language and will schedule a public hearing before the Air Pollution Control Board (board) for consideration of adoption of these rules.

**CITATIONS AFFECTED:** [326 IAC 8-2-1](#); [326 IAC 8-2-9](#).

**AUTHORITY:** [IC 13-14-18](#); [IC 13-17-3-4](#); [IC 13-17-3-11](#).

**STATUTORY REQUIREMENTS**

[IC 13-14-9-8](#) recognizes that under certain circumstances it may be appropriate to reduce the number of public comment periods and public hearings routinely provided. In cases where the commissioner determines that there is no anticipated benefit from a second public comment period and first public hearing, IDEM may forgo these opportunities for public comment and proceed directly to the public hearing and board meeting at which the draft rule is considered for adoption. Two opportunities for public comment (with this notice and at the public hearing prior to adoption of the rule) remain under this procedure.

If the commissioner makes the determination of no anticipated benefit required by [IC 13-14-9-8](#), the commissioner shall prepare written findings and publish those findings in the Indiana Register prior to the board meeting at which the draft rule is to be considered for adoption and include them in the board packet prepared for that meeting. This document constitutes the commissioner's written findings pursuant to [IC 13-14-9-8](#).

The statute provides for this shortened rulemaking process if the commissioner determines that:

(1) the rule constitutes:

(A) an adoption or incorporation by reference of a federal law, regulation, or rule that:

(i) is or will be applicable to Indiana; and

(ii) contains no amendments that have a substantive effect on the scope or intended application of the federal law or rule;

(B) a technical amendment with no substantive effect on an existing Indiana rule; or

(C) a substantive amendment to an existing Indiana rule, the primary and intended purpose of which is to clarify the existing rule; and

(2) the rule is of such nature and scope that there is no reasonably anticipated benefit to the environment or the persons referred to in [IC 13-14-9-7\(a\)\(2\)](#) from:

(A) exposing the rule to diverse public comment under [IC 13-14-9-3](#) or [IC 13-14-9-4](#);

(B) affording interested or affected parties the opportunity to be heard under [IC 13-14-9-3](#) or [IC 13-14-9-4](#); and

(C) affording interested or affected parties the opportunity to develop evidence in the record collected under [IC 13-14-9-3](#) and [IC 13-14-9-4](#).

**BACKGROUND**

The miscellaneous metal surface coating requirements at [326 IAC 8-2-9](#) were amended in November 2009 (LSA Document #09-220) to address a revised federal control technique guideline (CTG) by adding new volatile organic compound (VOC) limits for metal and plastic parts surface coating operations in Lake County and Porter County. The revised CTG expanded the miscellaneous metal surface coating category to include plastic parts surface coating in nonattainment counties. IDEM did not intend for the requirements added by LSA Document #09-220 to apply to plastic parts surface coating operations outside of these two previously designated nonattainment counties. IDEM is proposing to amend the applicability provisions in [326 IAC 8-2-9\(a\)](#) to clarify that the VOC limits in subsection (c) and the work practice requirements in subsection (f) apply only to miscellaneous metal surface coating operations. IDEM is also proposing to amend the general applicability provisions at [326 IAC 8-2-1\(a\)\(3\)](#) and [326 IAC 8-2-1\(a\)\(4\)](#) to clarify that applicability of the surface coating requirements in [326 IAC 8-2-9](#) for Lake County and Porter County apply to miscellaneous metal and plastics parts, but that outside of these two counties it is limited to miscellaneous metal coating operations.

**[IC 13-14-9-4](#) Identification of Restrictions and Requirements Not Imposed under Federal Law**

No element of the draft rule imposes either a restriction or a requirement on persons to whom the draft rule applies that is not imposed under federal law. This draft rule is a technical amendment without substantive effect intended to clarify an existing Indiana rule and does not impose any restrictions or requirements.

#### **Potential Fiscal Impact**

There is no potential fiscal impact with this rulemaking as this rule only clarifies the applicability of amendments that were made to [326 IAC 8-2-9](#) in November 2009 (LSA Document #09-220).

#### **Public Participation and Workgroup Information**

At this time, no workgroup is planned for the rulemaking. If you feel that a workgroup or other informal discussion on the rule is appropriate, please contact Susan Bem, Rule and State Implementation Plan Development Section, Office of Air Quality at (317) 233-5697 or (800) 451-6027 (in Indiana).

#### **Small Business Assistance Information**

IDEM established a compliance and technical assistance (CTAP) program under [IC 13-28-3](#). The program provides assistance to small businesses and information regarding compliance with environmental regulations. In accordance with [IC 13-28-3](#) and [IC 13-28-5](#), there is a small business assistance program ombudsman to provide a point of contact for small businesses affected by environmental regulations. Information on the CTAP program, the monthly CTAP newsletter, and other resources available can be found at:

<http://www.in.gov/idem/4108.htm>

Small businesses affected by this rulemaking may contact the Small Business Regulatory Coordinator:

Alison Surface

IDEM Compliance and Technical Assistance Program - OPPTA

MC 60-04 IGCS W041

100 North Senate Avenue

Indianapolis, IN 46204-2251

(317) 232-8172 or (800) 988-7901

[ctap@idem.in.gov](mailto:ctap@idem.in.gov).

The Small Business Assistance Program Ombudsman is:

Brad Baughn

IDEM Small Business Assistance Program Ombudsman

MC 50-01 IGCN 1307

100 North Senate Avenue

Indianapolis, IN 46204-2251

(317) 234-3386

[bbaughn@idem.in.gov](mailto:bbaughn@idem.in.gov)

#### **FINDINGS**

The commissioner of IDEM has prepared written findings regarding rulemaking on surface coating operations at [326 IAC 8-2-1](#) and [326 IAC 8-2-9](#). These findings are prepared under [IC 13-14-9-8](#) and are as follows:

- (1) This rule is a technical amendment without substantive effect on an existing Indiana rule. The primary and intended purpose of this rulemaking is to clarify the existing rule. The miscellaneous metal surface coating requirements at [326 IAC 8-2-9](#) were amended in November 2009 (LSA Document #09-220) to address a revised federal control technique guideline (CTG) by adding new volatile organic compound (VOC) limits for metal and plastic parts surface coating operations in Lake County and Porter County. This rulemaking clarifies that only portions of [326 IAC 8-2-9](#) are applicable to plastic parts surface coating operations. IDEM did not intend to apply any requirements to plastic parts surface coating operations outside of these two counties. The current language does not contain VOC limits for plastics parts surface coating statewide; however, the way the applicability language of [326 IAC 8-2-1](#) is structured it could be interpreted to mean that plastic parts surface coating operations outside of Lake County and Porter County are subject to the work practice provisions of [326 IAC 8-2-9](#), which the 2009 rulemaking (LSA Document #09-220) did not intend to do.
- (2) The public will benefit from prompt adoption of this rule because [326 IAC 8-2](#) could be interpreted to apply to plastic parts surface coating operations outside of Lake County and Porter County and render these sources not subject to [326 IAC 8-1-6](#) BACT, when there are no VOC limits in [326 IAC 8-2-9](#) for these types of operations.
- (3) I have determined that under the specific circumstances pertaining to this rule, there would be no benefit to the environment or to persons to be regulated or otherwise affected by this rule from the first public comment period and first public hearing.
- (4) The draft rule is hereby incorporated into these findings.

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Thomas W. Easterly

Commissioner

Indiana Department of Environmental Management

## REQUEST FOR PUBLIC COMMENTS

This notice requests the submission of comments on the draft rule language, including suggestions for specific revisions to language to be contained in the rule. Mailed comments should be addressed to:

#10-413 (APCB) [326 IAC 8-2-9](#) Amendments  
Susan Bem Mail Code 61-50  
Rule and SIP Development Section  
Office of Air Quality  
Indiana Department of Environmental Management  
100 North Senate Avenue  
Indianapolis, Indiana 46204

Hand delivered comments will be accepted by the receptionist on duty at the tenth floor reception desk, Office of Air Quality, 100 North Senate Avenue, Indianapolis, Indiana.

Comments may be submitted by facsimile at the IDEM fax number: (317) 233-5967, Monday through Friday, between 8:15 a.m. and 4:45 p.m. Please confirm the timely receipt of faxed comments by calling the Rule and State Implementation Plan Development Section at (317) 234-6530.

## COMMENT PERIOD DEADLINE

Comments must be postmarked, faxed, or hand delivered by July 30, 2010.

Additional information regarding this action may be obtained from Susan Bem, Rule and State Implementation Plan Development Section, Office of Air Quality, (317) 233-5697 or (800) 451-6027 (in Indiana).

## DRAFT RULE

SECTION 1. [326 IAC 8-2-1](#) IS AMENDED TO READ AS FOLLOWS:

### [326 IAC 8-2-1](#) Applicability

**Authority:** [IC 13-14-8](#); [IC 13-17-3-4](#); [IC 13-17-3-11](#)

**Affected:** [IC 13-12-3-1](#); [IC 13-14-8-3](#); [IC 13-14-8-7](#); [IC 13-17-1-1](#)

Sec. 1. (a) This rule applies to the following:

- (1) Facilities existing as of January 1, 1980, of the types described in sections 2 through 8 of this rule and section 11 of this rule, and facilities existing as of November 1, 1980, of the types described in sections 9 through 10 of this rule located in Clark, Elkhart, Floyd, Lake, Marion, Porter, or St. Joseph counties; facilities of the types described in section 12 of this rule, located in Clark, Floyd, Lake, or Porter counties; and that are located at sources that have potential emissions of ninety and seven-tenths (90.7) megagrams (one hundred (100) tons) or greater per year of VOC.
- (2) Facilities, construction of which commences after January 1, 1980, of the types described in sections 2 through 8 of this rule and section 11 of this rule, and facilities, construction of which commences after November 1, 1980, of the types described in sections 9 through 10 of this rule located in any county and that have potential emissions of twenty-two and seven-tenths (22.7) megagrams (twenty-five (25) tons) or greater per year of VOC.
- (3) Facilities existing as of July 1, 1990, of the types described in sections 2 through **8, 9(a)(1), and 10 through 12** of this rule located in Clark, Elkhart, Floyd, Lake, Marion, Porter, or St. Joseph counties and that have actual emissions of greater than fifteen (15) pounds of VOC per day before add-on controls.
- (4) Facilities, construction of which commences after July 1, 1990, of the types described in sections 2 through **8, 9(a)(1), and 10 through 12** of this rule located in any county and that have actual emissions of greater than fifteen (15) pounds of VOC per day before add-on controls.
- (5) Surface coating operations, including related cleaning activities, of the types described in sections 2, 5, 6, 7, 9, and 10 of this rule located in Lake County or Porter County with actual VOC emissions of equal to or greater than fifteen (15) pounds per day before add-on controls as specified in sections 2(c), 5(c), 6(c), 7(c), 9(e), and 10(e) of this rule.

(b) Facilities described in subsection (a)(3) shall attain compliance with this rule no later than July 1, 1991.

*(Air Pollution Control Board; [326 IAC 8-2-1](#); filed Mar 10, 1988, 1:20 p.m.: 11 IR 2533; errata filed Dec 29, 1988, 2:00 p.m.: 12 IR 1209; filed Apr 18, 1990, 4:55 p.m.: 13 IR 1677; errata filed Jun 18, 1990, 3:42 p.m.: 13 IR 2003; filed Dec 5, 1990, 3:30 p.m.: 14 IR 619; filed May 6, 1991, 4:45 p.m.: 14 IR 1716; readopted filed Jan 10, 2001, 3:20 p.m.: 24 IR 1477; filed Nov 3, 2009, 3:29 p.m.: [20091202-IR-326090220FRA](#))*

SECTION 2. [326 IAC 8-2-9](#) IS AMENDED TO READ AS FOLLOWS:

**[326 IAC 8-2-9](#) Miscellaneous metal and plastic parts coating operations**

**Authority:** [IC 13-14-8](#); [IC 13-17-3-4](#); [IC 13-17-3-11](#)

**Affected:** [IC 13-15](#); [IC 13-17](#)

Sec. 9. (a) This section is applicable to the surface coating of the following: **as follows:**

(1) **Sources located in any county except Lake County or Porter County shall comply with subsections (b), (c), (e), and (f) for the metal surface coating of the following:**

(A) Large and small farm machinery.

(2) (B) Small household appliances.

(3) (C) Office equipment.

(4) (D) Commercial and industrial machinery and equipment.

(5) (E) Any other industrial category that coats metal parts or products under the Standard Industrial Classification Code of major groups #33, #34, #35, #36, #37, #38, and #39.

(2) **Sources located in Lake County or Porter County shall comply with subsections (d) and (f) for the metal and plastic surface coating of the following:**

(A) Large and small farm machinery.

(B) Small household appliances.

(C) Office equipment.

(D) Commercial and industrial machinery and equipment.

(E) Any other industrial category that coats metal parts or products under the Standard Industrial Classification Code of major groups #33, #34, #35, #36, #37, #38, and #39.

(6) (F) Fabricated metal products.

(7) (G) Molded plastic parts.

(8) (H) Automotive or transportation equipment.

(9) (I) Interior or exterior automotive parts.

(10) (J) Construction equipment.

(11) (K) Motor vehicle accessories.

(12) (L) Bicycles and sporting goods.

(13) (M) Toys.

(14) (N) Recreational vehicles.

(15) (O) Pleasure craft (recreational boats).

(16) (P) Extruded aluminum structural components.

(17) (Q) Railroad cars.

(18) (R) Heavier vehicles.

(19) (S) Lawn and garden equipment.

(20) (T) Business machines.

(21) (U) Laboratory and medical equipment.

(22) (V) Electronic equipment.

(23) (W) Steel drums.

(24) (X) Metal pipes.

(b) This section is not applicable to the surface coating of the following metal parts and products or to the following types of coating:

(1) Any metal parts or products limited by other sections of this rule.

(2) Exterior of airplanes.

(3) Automobile refinishing.

(4) Customized top coating of automobiles and trucks, if production is less than thirty-five (35) vehicles per day.

(5) Exterior of marine vessels.

(6) The application of coatings to burial caskets (Standard Industrial Classification Code 3995) if the source is not located in or adjacent to:

(A) a county designated as nonattainment for ozone; or

(B) Clark County or Floyd County.

(c) No owner or operator of a facility engaged in the surface coating of miscellaneous metal parts and products

may cause, allow, or permit the discharge into the atmosphere of any VOC in excess of the following:

(1) Fifty-two hundredths (0.52) kilogram per liter (four and three-tenths (4.3) pounds per gallon) of coating, excluding water, delivered to a coating applicator that applies clear coatings. A clear coating is a coating that:

(A) lacks color or opacity; and

(B) is transparent and uses the undercoat as a reflectant base or undertone color.

(2) Forty-two hundredths (0.42) kilogram per liter (three and five-tenths (3.5) pounds per gallon) of coating excluding water, delivered to a coating applicator in a coating application system that is air dried or forced warm air dried at temperatures up to ninety (90) degrees Celsius (one hundred ninety-four (194) degrees Fahrenheit).

(3) Forty-two hundredths (0.42) kilogram per liter (three and five-tenths (3.5) pounds per gallon) of coating, excluding water, delivered to a coating applicator that applies extreme performance coatings. Extreme performance coatings are coatings designed for exposure to:

(A) temperatures consistently above ninety-five (95) degrees Celsius;

(B) detergents;

(C) abrasive or scouring agents;

(D) solvents;

(E) corrosive atmospheres;

(F) outdoor weather at all times; or

(G) similar environmental conditions.

(4) Thirty-six hundredths (0.36) kilogram per liter (three (3) pounds per gallon) of coating, excluding water, delivered to a coating applicator for all other coatings and coating application systems.

(d) On and after April 1, 2011, the owner or operator engaged in the surface coating of miscellaneous metal or plastic parts and products in which the total actual VOC emissions from all miscellaneous metal or plastic parts or products coating operations, including related cleaning activities, are equal to or exceed fifteen (15) pounds per day, before add-on controls, located in Lake County or Porter County, shall comply with the following:

(1) VOC limitations for surface coating of miscellaneous metal and plastic parts and products according to one

(1) of the following:

(A) VOC limits based on low VOC coatings as follows:

Metal Parts and Products		
Coating Category	Maximum VOC Content	
	Air Dried	Baked
	Kilograms/liter (pounds/gallon) of coating, excluding water, as applied	Kilograms/liter (pounds/gallon) of coating, excluding water, as applied
General, one component	0.34 (2.8)	0.28 (2.3)
General, multicomponent		
Military specification		
Drum coating, new, exterior		
Camouflage	0.42 (3.5)	0.42 (3.5)
Electric-insulating varnish		
Etching filler		
High temperature		
Metallic		
Mold-seal		
Pan backing		
Pretreatment coatings		
Silicone release		
Vacuum-metalizing		
Drum coating, new, interior		
Drum coating, reconditioned, exterior		
Extreme high-gloss	0.42 (3.5)	0.36 (3.0)
Extreme performance		
Heat-resistant		
Repair and touch-up		
Solar-absorbent		

High performance architectural	0.74 (6.2)	0.74 (6.2)
Prefabricated architectural one or multicomponent	0.42 (3.5)	0.28 (2.3)
Drum coating, reconditioned, interior	0.50 (4.2)	0.50 (4.2)

Plastic Parts and Products		
Coating Category		Kilograms/liter (pounds/gallon) of coating, excluding water, as applied
General, one component		0.28 (2.3)
General, multicomponent		0.42 (3.5)
Electric dissipating coatings and shock free coatings		0.80 (6.7)
Extreme performance		0.42 (3.5) (two-pack coatings)
Metallic		0.42 (3.5)
Military specification		0.34 (2.8) (one pack)
		0.42 (3.5) (two pack)
Mold seal		0.76 (6.3)
Multicolored coatings		0.68 (5.7)
Optical coatings		0.80 (6.7)
Vacuum-metalizing		0.80 (6.7)
Automotive and Transportation Plastic Parts Coatings*		
Coating Category		Kilograms/liter (pounds/gallon) of coating, excluding water, as applied
High bake coatings – interior and exterior parts		
	Flexible primer	0.54 (4.5)
	Nonflexible primer	0.42 (3.5)
	Base coat	0.52 (4.3)
	Clear coat	0.48 (4.0)
	Nonbasecoat/clear coat	0.52 (4.3)
Low bake/air dried coatings – exterior parts		
	Primers	0.58 (4.8)
	Base coat	0.60 (5.0)
	Clear coat	0.54 (4.5)
	Nonbasecoat/clear coat	0.60 (5.0)
Low bake/air dried coatings – interior parts		
		0.60 (5.0)
Touch-up and repair coatings		0.62 (5.2)
*For red, yellow, and black automotive coatings, except touch-up and repair coatings, the limit is determined by multiplying the appropriate limit in this table by 1.15		
Business Machine Plastic Parts Coatings		
Coating Category		Kilograms/liter (pounds/gallon) of coating, excluding water, as applied
Primers		0.35 (2.9)
Topcoat		0.35 (2.9)
Texture coat		0.35 (2.9)
Fog coat		0.26 (2.2)
Touch-up and repair		0.35 (2.9)
Pleasure Craft Surface Coating		
Coating Category		Kilograms/liter (pounds/gallon) of coating, excluding water, as applied
Extreme high gloss topcoat		0.49 (4.1)
High gloss topcoat		0.42 (3.5)
Pretreatment wash primers		0.78 (6.5)
Finish primer surfacer		0.42 (3.5)
High build primer surfacer		0.34 (2.8)
Aluminum substrate antifoulant coating		0.56 (4.7)

Other substrate antifoulant coating	0.33 (2.8)
All other pleasure craft surface coatings for metal or plastic	0.42 (3.5)
Motor Vehicle Materials	
Coating Category	Kilograms/liter (pounds/gallon) of coating, excluding water, as applied
Motor vehicle cavity wax	0.65 (5.4)
Motor vehicle sealer	0.65 (5.4)
Motor vehicle deadener	0.65 (5.4)
Motor vehicle gasket/gasket sealing material	0.20 (1.7)
Motor vehicle underbody coating	0.65 (5.4)
Motor vehicle trunk interior coating	0.65 (5.4)
Motor vehicle bed liner	0.20 (1.7)
Motor vehicle lubricating wax/compound	0.70 (5.8)

(B) VOC limits based on low VOC coatings and add-on controls (VOC per volume solids), except for motor vehicle materials, as follows:

Metal Part and Products		
Coating Category	Maximum VOC Content	
	Air Dried	Baked
	Kilograms/liter (pounds/gallon) of solids, excluding water, as applied	Kilograms/liter (pounds/gallon) of solids, excluding water, as applied
General, one component	0.54 (4.52)	0.40 (3.35)
General, multicomponent		
Military specification		
Drum coating, new, exterior		
Camouflage	0.80 (6.67)	0.80 (6.67)
Electric-insulating varnish		
Etching filler		
High temperature		
Metallic		
Mold seal		
Pan backing		
Pretreatment coatings		
Silicone release		
Vacuum-metalizing		
Drum coating, new, interior		
Drum coating, reconditioned, exterior		
Extreme high-gloss	0.80 (6.67)	0.61 (5.06)
Extreme performance		
Heat-resistant		
Solar-absorbent		
High performance architectural	4.56 (38.0)	4.56 (38.0)
Prefabricated architectural one or multicomponent	0.80 (6.67)	0.40 (3.35)
Drum coating, reconditioned, interior	1.17 (9.78)	1.17 (9.78)

Plastic Parts and Products	
Coating Category	Kilograms/liter (pounds/gallon) of solids, excluding water, as applied
General, one component	0.40 (3.35)
General, multicomponent	0.80 (6.67)
Electric dissipating coatings and shock free coatings	8.96 (74.7)
Extreme performance	0.80 (6.67) (two-pack coatings)
Metallic	0.80 (6.67)

Military specification		0.54 (4.52) (one pack)
		0.80 (6.67) (two pack)
Mold seal		5.24 (43.7)
Multicolored coatings		3.04 (25.3)
Optical coatings		8.96 (74.7)
Vacuum-metalizing		8.96 (74.7)
Automotive and Transportation Plastic Parts Coatings*		
Coating Category		Kilograms/liter (pounds/gallon) of solids, excluding water, as applied
High bake coatings – interior and exterior parts		
	Flexible primer	1.39 (11.58)
	Nonflexible primer	0.80 (6.67)
	Base coat	1.24 (10.34)
	Clear coat	1.05 (8.76)
	Nonbasecoat/clear coat	1.24 (10.34)
Low bake/air dried coatings – exterior parts		
	Primers	1.66 (13.80)
	Base coat	1.87 (15.59)
	Clear coat	1.39 (11.58)
	Nonbasecoat/clear coat	1.87 (15.59)
Low bake/air dried coatings – interior parts		1.87 (15.59)
Touch-up and repair coatings		2.13 (17.72)
*For red, yellow, and black automotive coatings, except touch-up and repair coatings, the limit is determined by multiplying the appropriate limit in this table by 1.15		
Business Machine Plastic Parts Coatings		
Coating Category		Kilograms/liter (pounds/gallon) of solids, excluding water, as applied
Primers		0.57 (4.80)
Topcoat		0.57 (4.80)
Texture coat		0.57 (4.80)
Fog coat		0.38 (3.14)
Touch-up and repair		0.57 (4.80)
Pleasure Craft Surface Coating		
Coating Category		Kilograms/liter (pounds/gallon) of solids, excluding water, as applied
Extreme high gloss topcoat		1.10 (9.2)
High gloss topcoat		0.80 (6.7)
Pretreatment wash primers		6.67 (55.6)
Finish primer surfacer		0.80 (6.7)
High build primer surfacer		0.55 (4.6)
Aluminum substrate antifoulant coating		1.53 (12.8)
Other substrate antifoulant coating		0.53 (4.4)
All other pleasure craft surface coatings for metal or plastic		0.80 (6.7)

(2) One (1) or a combination of the following equipment shall be used for coating application, unless achieving compliance using an add-on control device under subdivision (3) or exempt under subdivision (7):

- (A) Electrostatic equipment.
- (B) High volume low-pressure (HVLP) spray equipment.
- (C) Flow coating.
- (D) Roller coating.
- (E) Dip coating, including electrodeposition.
- (F) Airless spray.
- (G) Air-assisted airless spray.
- (H) Other coating application method capable of achieving a transfer efficiency equivalent or better than achieved by HVLP spraying.



(3) An owner or operator may achieve compliance with this subsection by using a capture and control device that achieves a minimum overall VOC control efficiency of ninety percent (90%) instead of using low VOC coatings and application methods under subdivision (2). The required overall add-on control efficiency, when combining add-on control with low VOC coatings, must be determined using [326 IAC 8-1-2\(c\)](#).

(4) The following coating types are exempt from the metal parts coating VOC limits in this subsection:

- (A) Stencil coatings.
- (B) Safety-indicating coatings.
- (C) Solid film lubricants.
- (D) Electric-insulating and thermal-conducting coatings.
- (E) Magnetic data storage disk coatings.
- (F) Plastic extruded onto metal parts to form a coating.

(5) The following types of coatings and coating operations are exempt from the plastic parts VOC limits in this subsection:

- (A) Touch-up and repair coatings.
- (B) Stencil coatings applied on clear or transparent substrates.
- (C) Clear or translucent coatings.
- (D) Coatings applied at a paint manufacturing facility while conducting performance tests on the coatings.
- (E) Any individual coating category used in volumes less than fifty (50) gallons in any one (1) year, if substitute compliant coatings are not available, provided that the total usage of all such coatings does not exceed two hundred (200) gallons per year, per facility.
- (F) Reflective coating applied to highway cones.
- (G) Mask coatings that are less than five-tenths (0.5) millimeter thick (dried) and the area coated is less than twenty-five (25) square inches.
- (H) Electromagnetic interference or radio frequency interference (EMI or RFI) shielding coatings.
- (I) Heparin-benzalkonium chloride (HBAC) containing coatings applied to medical devices, provided that the total usage of all such coatings does not exceed one hundred (100) gallons per year, per plastic parts coating operation.

(6) The following types of coatings and operations are exempt from the automotive or transportation and business machine plastic part coating VOC limits:

- (A) Texture coatings.
- (B) Vacuum metalizing coatings.
- (C) Gloss reducers.
- (D) Texture topcoats.
- (E) Adhesion primers.
- (F) Electrostatic preparation coatings.
- (G) Resist coatings.
- (H) Stencil coatings.

(7) The application method requirements in subdivision (2) do not apply to the following:

- (A) Metal parts touch-up coatings, repair coatings, and textured finishes.
- (B) Plastic parts airbrush operations using five (5) gallons or less per year of coating.
- (C) Extreme high gloss coatings are exempt from the pleasure craft VOC limits.

(e) If more than one (1) emission limitation in subsection (c) applies to a specific coating, then the least stringent emission limitation shall be applied.

(f) Work practices shall be used to minimize VOC emissions from mixing operations, storage tanks, and other containers, and handling operations for coatings, thinners, cleaning materials, and waste materials. Work practices shall include, but not be limited to, the following:

- (1) Store all VOC containing coatings, thinners, coating related waste, and cleaning materials in closed containers.
- (2) Ensure that mixing and storage containers used for VOC containing coatings, thinners, coating related waste, and cleaning materials are kept closed at all times except when depositing or removing these materials.
- (3) Minimize spills of VOC containing coatings, thinners, coating related waste, and cleaning materials.
- (4) Convey VOC containing coatings, thinners, coating related waste, and cleaning materials from one (1) location to another in closed containers or pipes.
- (5) Minimize VOC emissions from the cleaning of application, storage, mixing, and conveying equipment by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent is captured in closed containers.

*(Air Pollution Control Board; [326 IAC 8-2-9](#); filed Feb 9, 1988, 2:07 p.m.: 11 IR 1736; filed Mar 10, 1988, 1:20*

*p.m.: 11 IR 2534; filed Apr 18, 1990, 4:55 p.m.: 13 IR 1678; readopted filed Jan 10, 2001, 3:20 p.m.: 24 IR 1477; filed Nov 15, 2002, 11:17 a.m.: 26 IR 1078; filed Nov 3, 2009, 3:29 p.m.: [20091202-IR-326090220FRA](#))*

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