TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE B: AIR POLLUTION
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER c: EMISSIONS STANDARDS AND LIMITATIONS FOR STATIONARY SOURCES

PART 218
ORGANIC MATERIAL EMISSION STANDARDS AND LIMITATIONS FOR THE CHICAGO AREA
SUBPART A: GENERAL PROVISIONS

Section

SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS

Section

SUBPART C: ORGANIC EMISSIONS FROM MISCELLANEOUS EQUIPMENT

SUBPART E: SOLVENT CLEANING

SUBPART F: COATING OPERATIONS

SUBPART G: USE OF ORGANIC MATERIAL

SUBPART H: PRINTING AND PUBLISHING

SUBPART Q: SYNTHETIC ORGANIC CHEMICAL AND POLYMER MANUFACTURING PLANT

SUBPART R: PETROLEUM REFINING AND RELATED INDUSTRIES; ASPHALT MATERIALS

SUBPART S: RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS

SUBPART T: PHARMACEUTICAL MANUFACTURING

SUBPART V: BATCH OPERATIONS AND AIR OXIDATION PROCESSES

SUBPART W: AGRICULTURE

SUBPART X: CONSTRUCTION

SUBPART Y: GASOLINE DISTRIBUTION

SUBPART Z: DRY CLEANERS

SUBPART AA: PAINT AND INK MANUFACTURING

SUBPART BB: POLYSTYRENE PLANTS

SUBPART CC: POLYESTER RESIN PRODUCT MANUFACTURING PROCESS

SUBPART DD: AEROSOL CAN FILLING

SUBPART FF: BAKERY OVENS (REPEALED)

SUBPART GG: MARINE TERMINALS

SUBPART HH: MOTOR VEHICLE REFINISHING

SUBPART II: FIBERGLASS BOAT MANUFACTURING MATERIALS

SUBPART JJ: MISCELLANEOUS INDUSTRIAL ADHESIVES

SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT MANUFACTURING PROCESSES

SUBPART QQ: MISCELLANEOUS FORMULATION MANUFACTURING PROCESSES

SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL MANUFACTURING PROCESSES

Section
218.960 Applicability
218.963 Permit Conditions (Repealed)
218.966 Control Requirements
218.967 Compliance Schedule
218.968 Testing

SUBPART TT: OTHER EMISSION UNITS

Section
218.980 Applicability
218.983 Permit Conditions (Repealed)
218.986 Control Requirements
218.987 Compliance Schedule
218.988 Testing

SUBPART UU: RECORDKEEPING AND REPORTING

Section
218.990 Exempt Emission Units
218.991 Subject Emission Units

218.APPENDIX A List of Chemicals Defining Synthetic Organic Chemical and Polymer Manufacturing
218.APPENDIX B VOM Measurement Techniques for Capture Efficiency (Repealed)
218.APPENDIX C Reference Methods and Procedures
218.APPENDIX D Coefficients for the Total Resource Effectiveness Index (TRE) Equation
218.APPENDIX E List of Affected Marine Terminals
218.APPENDIX G TRE Index Measurements for SOCMI Reactors and Distillation Units
218.APPENDIX H Baseline VOM Content Limitations for Subpart F, Section 218.212 Cross-Line Averaging

AUTHORITY: Implementing Section 10 and authorized by Sections 27, 28, and 28.5 of the Environmental Protection Act [415 ILCS 5/10, 27, 28, and 28.5].

SOURCE: Adopted at R91-7 at 15 Ill. Reg. 12231, effective August 16, 1991; amended in R91-24 at 16 Ill. Reg. 13564, effective August 24, 1992; amended in R91-28 and R91-30 at 16 Ill. Reg. 13864, effective August 24, 1992; amended in R93-9 at 17 Ill. Reg. 16636, effective September 27, 1993; amended in R93-14 at 18 Ill. Reg. 1945, effective January 24, 1994; amended in R94-12 at 18 Ill. Reg. 14973, effective September 21, 1994; amended in R94-15 at 18 Ill. Reg. 16392, effective October 25, 1994; amended in R94-16 at 18 Ill. Reg. 16950, effective November 15, 1994; amended in R94-21, R94-31 and R94-32 at 19 Ill. Reg. 6848, effective May 9, 1995; amended in R94-33 at 19 Ill. Reg. 7359, effective May 22, 1995; amended in R96-13 at 20 Ill. Reg. 14428, effective October 17, 1996; amended in R97-24 at 21 Ill. Reg. 7708, effective June 9, 1997; amended in R97-31 at 22 Ill. Reg. 3556, effective February 2, 1998; amended in R98-16 at 22 Ill. Reg. 14282, effective July 16, 1998; amended in

R02-20 at 27 Ill. Reg. 7283, effective April 8, 2003; amended in R04-12/20 at 30 Ill. Reg. 9684, effective May 15, 2006; amended in R06-21 at 31 Ill. Reg. 7086, effective April 30, 2007; amended in R08-8 at 32 Ill. Reg. 14874, effective August 26, 2008; amended in R10-10 at 34 Ill. Reg. 5330, effective March 23, 2010; amended in R10-8 at 34 Ill. Reg. 9096, effective June 25, 2010; amended in R10-20 at 34 Ill. Reg. 14174, effective September 14, 2010; amended in R10-8(A) at 35 Ill. Reg. 469, effective December 21, 2010; amended in R11-23 at 35 Ill. Reg. 13473, effective July 27, 2011; amended in R11-23(A) at 35 Ill. Reg. 18813, effective October 25, 2011; amended in R12-24 at 37 Ill. Reg. 1699, effective January 28, 2013, amended in R13-18 at 38 Ill. Reg. 1032, effective December 23, 2013-; amended in at Ill. Reg. , effective

.

SUBPART F: COATING OPERATIONS

Section 218.204 Emission Limitations

Except as provided in Sections 218.205, 218.207, 218.208, 218.212, 218.215 and 218.216 of this Subpart, no owner or operator of a coating line shall apply at any time any coating in which the VOM content exceeds the following emission limitations for the specified coating. Except as otherwise provided in subsections (a), (c), (g), (h), (j), (l), (n), (p), and (q) of this Section, compliance with the emission limitations marked with an asterisk in this Section is required on and after March 15, 1996, and compliance with emission limitations not marked with an asterisk is required until March 15, 1996. The following emission limitations are expressed in units of VOM per volume of coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied at each coating applicator, except where noted. Compounds which are specifically exempted from the definition of VOM should be treated as water for the purpose of calculating the "less water" part of the coating composition. Compliance with this Subpart must be demonstrated through the applicable coating analysis test methods and procedures specified in Section 218.105(a) of this Part and the recordkeeping and reporting requirements specified in Section 218.211(c) of this Subpart except where noted. (Note: The equation presented in Section 218.206 of this Part shall be used to calculate emission limitations for determining compliance by add-on controls, credits for transfer efficiency, emissions trades and cross-line averaging.) The emission limitations are as follows:

			kg/l	lb/gal
a)	Automobile or Light-Duty Truck Coating			
	1)	Prior to May 1, 2012:		
		A) Prime coat	0.14 0.14*	(1.2) (1.2)*
		B) Primer surface coat	1.81 1.81*	(15.1) (15.1)*

BOARD NOTE: The primer surface coat limitation is in units of kg (lbs) of VOM per l (gal) of coating solids deposited. Compliance with the limitation shall be based on the daily-weighted average from an entire

primer surfacer operation. Compliance shall be demonstrated in accordance with the topcoat protocol referenced in Section 218.105(b)(1)(A) and the recordkeeping and reporting requirements specified in Section 218.211(f). Testing to demonstrate compliance shall be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. Section 218.205 does not apply to the primer surfacer limitation.

C) Topcoat	kg/l	lb/gal
	1.81	(15.1)
	1.81*	(15.1)*

BOARD NOTE: The topcoat limitation is in units of kg (lbs) of VOM per l (gal) of coating solids deposited. Compliance with the limitation shall be based on the daily-weighted average from an entire topcoat operation. Compliance shall be demonstrated in accordance with the topcoat protocol referenced in Section 218.105(b)(1)(A) of this Part and the recordkeeping and reporting requirements specified in Section 218.211(f). Testing to demonstrate compliance shall be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. Section 218.205 of this Part does not apply to the topcoat limitation.

D) Final repair coat	kg/l	lb/gal
	0.58	(4.8)
	0.58*	(4.8)*

2) On and after May 1, 2012, subject automobile and light-duty truck coating lines shall comply with the following limitations. These limitations shall not apply to materials supplied in containers with a net volume of 0.47 liters (16 oz) or less, or a net weight of 0.45 kg (1 lb) or less:

A) Electrodeposition primer (EDP) operations. For purposes of this subsection (a)(2)(A), "electrodeposition" means a water-borne dip coating process in which opposite electrical charges are applied to the substrate and the coating. The coating is attracted to the substrate due to the electrochemical potential difference that is created.

	kg VOM/l coating solids applied	lb VOM/gal coating solids applied

	i)	When solids turnover ratio (R_T) is greater than or equal to 0.160	0.084	(0.7)
	ii)	When R_T is greater than or equal to 0.040 and less than 0.160	$0.084 \times 350^{0.160-R_T}$	$(0.084 \times 350^{0.160-R_T} \times 8.34)$
B)	Primer surfacer operations		kg VOM/l coating solids deposited	lb VOM/gal coating solids deposited
	i)	VOM content limitation	1.44	(12.0)

ii) Compliance with the limitation set forth in subsection (a)(2)(B)(i) shall be based on the daily-weighted average from an entire primer surfacer operation. Compliance shall be demonstrated in accordance with the topcoat protocol referenced in Section 218.105(b)(1)(B) and the recordkeeping and reporting requirements specified in Section 218.211(f). Testing to demonstrate compliance shall be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. Section 218.205 does not apply to the primer surfacer limitation.

C)	Topcoat operations		kg VOM/l coating solids deposited	lb VOM/gal coating solids deposited
	i)	VOM content limitation	1.44	(12.0)

ii) Compliance with the limitation set forth in subsection (a)(2)(C)(i) shall be based on the daily-weighted average from an entire topcoat operation. Compliance shall be demonstrated in accordance with the topcoat protocol referenced in Section 218.105(b)(1)(B) and the recordkeeping and reporting requirements specified in Section 218.211(f). Testing to demonstrate compliance shall be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. Section 218.205 does not apply to the topcoat limitation.

D)	Combined primer surfacer and topcoat operations		kg VOM/l coating solids deposited	lb VOM/gal coating solids deposited
	i)	VOM content limitation	1.44	(12.0)

ii) Compliance with the limitation set forth in subsection (a)(2)(D)(i) shall be based on the daily-weighted average from the combined primer surfacer and topcoat operations. Compliance shall be demonstrated in accordance with the topcoat protocol referenced in Section 218.105(b)(1)(B) and the recordkeeping and reporting requirements specified in Section 218.211(f). Testing to demonstrate compliance shall be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. Section 218.205 does not apply to the combined primer surfacer and topcoat limitation.

E)	Final repair coat operations		kg/l coatings	lb/gal coatings
	i)	VOM content limitation	0.58	(4.8)

ii) Compliance with the final repair operations limitation set forth in subsection (a)(2)(E)(i) shall be on an occurrence-weighted average basis, calculated in accordance with the equation below, in which clear coatings shall have a weighting factor of 2 and all other coatings shall have a weighting factor of 1. For purposes of this subsection (a)(2)(E)(ii), an "occurrence" is the application of the combination of coatings that constitute a final repair coat for a single automobile or light-duty truck. Section 218.205 does not apply to the final repair coat limitation.

$$VOM_{tot} = \frac{2VOM_{cc} + \sum_{i=1}^{n} VOM_i}{n+2}$$

where:

VOM_{tot} = Total VOM content of all coatings, as applied, on an occurrence weighted average basis, and used to determine compliance with this subsection (a)(2)(E).

i = Subscript denoting a specific coating applied.

n = Total number of coatings applied in the final repair operation, other than clear coatings.

VOM_{cc} = The VOM content, as applied, of the clear coat used in the final repair operation.

VOM_i = The VOM content of each coating used in the final repair operation, as applied, other than clear coatings.

F) Miscellaneous Materials. For reactive adhesives subject to this subsection (a)(2)(F), compliance shall be demonstrated in accordance with the methods and procedures set forth in appendix A to Subpart PPPP of 40 CFR 63, incorporated by reference in Section 218.112 of this Part.

		kg/l	lb/gal
i)	Glass bonding primer	0.90	(7.51)
ii)	Adhesive	0.25	(2.09)
iii)	Cavity wax	0.65	(5.42)
iv)	Trunk sealer	0.65	(5.42)
v)	Deadener	0.65	(5.42)
vi)	Gasket/gasket sealing material	0.20	(1.67)
vii)	Underbody coating	0.65	(5.42)
viii)	Trunk interior coating	0.65	(5.42)
ix)	Bedliner	0.20	(1.67)
x)	Weatherstrip adhesive	0.75	(6.26)
xi)	Lubricating wax/compound	0.70	(5.84)

			kg/l	lb/gal
b)	Can Coating			
	1)	Sheet basecoat and overvarnish		
		A) Sheet basecoat	0.34 0.26*	(2.8) (2.2)*
		B) Overvarnish	0.34 0.34	(2.8) (2.8)*
	2)	Exterior basecoat and overvarnish	0.34 0.25*	(2.8) (2.1)*
	3)	Interior body spray coat		
		A) Two piece	0.51 0.44*	(4.2) (3.7)*
		B) Three piece	0.51 0.51*	(4.2) (4.2)*
	4)	Exterior end coat	0.51 0.51*	(4.2) (4.2)*
	5)	Side seam spray coat	0.66 0.66*	(5.5) (5.5)*
	6)	End sealing compound coat	0.44 0.44*	(3.7) (3.7)*
c)	Paper Coating			
	1)	Prior to May 1, 2011:	kg/l 0.28	lb/gal (2.3)
	2)	On and after May 1, 2011, the owner or operator shall comply with either the limit in weight of VOM per weight of solids applied or weight of VOM per weight of coatings applied:	kg VOM/kg (lb VOM/lb) solids applied	kg VOM/kg (lb VOM/lb) coatings applied
		A) Pressure sensitive tape and label surface coatings	0.20 (0.20)	(0.067) (0.067)
		B) All other paper coatings	0.40	(0.08)

		(0.40)	(0.08)

3) The paper coating limitation set forth in this subsection (c) shall not apply to any owner or operator of any paper coating line on which flexographic, rotogravure, lithographic, or letterpress printing is performed if the paper coating line complies with the applicable emissions limitations in Subpart H of this Part. In addition, screen printing on paper is not regulated as paper coating, but is regulated under Subpart TT of this Part. On and after May 1, 2011, the paper coating limitation shall also not apply to coating performed on or in-line with any digital printing press, or to size presses and on-machine coaters on papermaking machines applying sizing or water-based clays.

		kg/l	lb/gal
d)	Coil Coating	0.31	(2.6)
		0.20*	(1.7)*
e)	Fabric Coating	0.35	(2.9)
		0.28*	(2.3)*
f)	Vinyl Coating	0.45	(3.8)
		0.28*	(2.3)*
g)	Metal Furniture Coating		
	1) Prior to May 1, 2011:	kg/l	lb/gal
	A) Air dried	0.34	(2.8)
	B) Baked	0.28	(2.3)
	2) On and after May 1, 2011, the owner or operator shall comply with either the limit in weight of VOM per volume of coating applied or weight of VOM per volume of solids applied:	kg/l (lb/gal) coatings applied	kg/l (lb/gal) solids applied
	A) General, One-Component	0.275 (2.3)	0.40 (3.3)
	B) General, Multi-Component		
	i) Air dried	0.340 (2.8)	0.55 (4.5)

	ii) Baked	0.275 (2.3)	0.40 (3.3)
C)	Extreme High Gloss		
	i) Air dried	0.340 (2.8)	0.55 (4.5)
	ii) Baked	0.360 (3.0)	0.61 (5.1)
D)	Extreme Performance		
	i) Air dried	0.420 (3.5)	0.80 (6.7)
	ii) Baked	0.360 (3.0)	0.61 (5.1)
E)	Heat Resistant		
	i) Air dried	0.420 (3.5)	0.80 (6.7)
	ii) Baked	0.360 (3.0)	0.61 (5.1)
F)	Metallic	0.420 (3.5)	0.80 (6.7)
G)	Pretreatment Coatings	0.420 (3.5)	0.80 (6.7)
H)	Solar Absorbent		
	i) Air dried	0.420 (3.5)	0.80 (6.7)
	ii) Baked	0.360 (3.0)	0.61 (5.1)

3) On and after May 1, 2011, the limitations set forth in this subsection (g) shall not apply to stencil coatings, safety-indicating coatings, solid-film lubricants, electric-insulating and thermal-conducting coatings, touch-up and repair coatings, or coating applications utilizing hand-held aerosol cans.

h) Large Appliance Coating

			kg/l	lb/gal
1)	Prior to May 1, 2011:			
	A)	Air dried	0.34	(2.8)
	B)	Baked	0.28	(2.3)
2)	On and after May 1, 2011, the owner or operator shall comply with either the limit in weight of VOM per volume of coatings applied or weight of VOM per volume of solids applied:		kg/l (lb/gal) coatings applied	kg/l (lb/gal) solids applied
	A)	General, One Component	0.275 (2.3)	0.40 (3.3)
	B)	General, Multi-Component		
		i) Air dried	0.340 (2.8)	0.55 (4.5)
		ii) Baked	0.275 (2.3)	0.40 (3.3)
	C)	Extreme High Gloss		
		i) Air dried	0.340 (2.8)	0.55 (4.5)
		ii) Baked	0.360 (3.0)	0.61 (5.1)
	D)	Extreme Performance		
		i) Air dried	0.420 (3.5)	0.80 (6.7)
		ii) Baked	0.360 (3.0)	0.61 (5.1)
	E)	Heat Resistant		
		i) Air dried	0.420 (3.5)	0.80 (6.7)
		ii) Baked	0.360 (3.0)	0.61 (5.1)

F)	Metallic	0.420 (3.5)	0.80 (6.7)
G)	Pretreatment Coatings	0.420 (3.5)	0.80 (6.7)
H)	Solar Absorbent		
	i) Air dried	0.420 (3.5)	0.80 (6.7)
	ii) Baked	0.360 (3.0)	0.61 (5.1)

3) The limitations set forth in this subsection (h) shall not apply to the use of quick-drying lacquers for repair of scratches and nicks that occur during assembly, provided that the volume of coating does not exceed 0.95 l (1 quart) in any one rolling eight-hour period. On and after May 1, 2011, these limitations shall also not apply to stencil coatings, safety-indicating coatings, solid-film lubricants, electric-insulating and thermal-conducting coatings, touch-up and repair coatings, or coating applications utilizing hand-held aerosol cans.

		kg/l	lb/gal
i)	Magnet Wire Coating	0.20 0.20*	(1.7) (1.7)*
j)	Prior to May 1, 2012: Miscellaneous Metal Parts and Products Coating		
1)	Clear coating	0.52 0.52*	(4.3) (4.3)*
2)	Extreme performance coating		
	A) Air dried	0.42 0.42*	(3.5) (3.5)*
	B) Baked	0.42 0.40*	(3.5) (3.3)*
3)	Steel pail and drum interior coating	0.52 0.52*	(4.3) (4.3)*
4)	All other coatings		
	A) Air dried	0.42 0.40*	(3.5) (3.3)*

B)	Baked		0.36 0.34*	(3.0) (2.8)*
5)	Marine engine coating			
A)	Air dried		0.42 0.42*	(3.5) (3.5)*
B)	Baked			
	i)	Primer/Topcoat	0.42 0.42*	(3.5) (3.5)*
	ii)	Corrosion resistant basecoat	0.42 0.28*	(3.5) (2.3)*
C)	Clear Coating		0.52 0.52*	(4.3) (4.3)*
6)	Metallic Coating			
A)	Air dried		0.42 0.42*	(3.5) (3.5)*
B)	Baked		0.36 0.36	(3.0) (3.0)*

7) Definitions

A) For purposes of subsection (j)(5) of this Section, the following terms are defined:

i) "Corrosion resistant basecoat" means, for purposes of subsection (j)(5)(B)(ii) of this Section, a water-borne epoxy coating applied via an electrodeposition process to a metal surface prior to spray coating, for the purpose of enhancing corrosion resistance.

ii) "Electrodeposition process" means, for purposes of subsection (j)(5) of this Section, a water-borne dip coating process in which opposite electrical charges are applied to the substrate and the coating. The coating is attracted to the substrate due to the electrochemical potential difference that is created.

iii) "Marine engine coating" means, for purposes of subsection (j)(5) of this Section, any extreme performance protective, decorative or functional coating applied to an engine that is used to propel watercraft.

B) For purposes of subsection (j)(6) of this Section, "metallic coating" means a coating which contains more than ¼ lb/gal of metal particles, as applied.

BOARD NOTE: On and after May 1, 2012, the limitations in Section 218.204(q) shall apply to this category of coating.

		kg/l	lb/gal
k)	Heavy Off-Highway Vehicle Products Coating		
1)	Extreme performance prime coat	0.42	(3.5)
		0.42*	(3.5)*
2)	Extreme performance topcoat (air dried)	0.42	(3.5)
		0.42*	(3.5)*
3)	Final repair coat (air dried)	0.42	(3.5)
		0.42*	(3.5)*
4)	All other coatings are subject to the emission limitations for miscellaneous metal parts and products coatings in subsection (j).		
l)	Wood Furniture Coating		
1)	Limitations before March 15, 1998:	kg/l	lb/gal
A)	Clear topcoat	0.67	(5.6)
B)	Opaque stain	0.56	(4.7)
C)	Pigmented coat	0.60	(5.0)
D)	Repair coat	0.67	(5.6)
E)	Sealer	0.67	(5.6)
F)	Semi-transparent stain	0.79	(6.6)
G)	Wash coat	0.73	(6.1)

BOARD NOTE: Prior to March 15, 1998, an owner or operator of a wood furniture coating operation subject to this Section shall apply all

coatings, with the exception of no more than 37.8 l (10 gal) of coating per day used for touch-up and repair operations, using one or more of the following application systems: airless spray application system, air-assisted airless spray application system, electrostatic spray application system, electrostatic bell or disc spray application system, heated airless spray application system, roller coating, brush or wipe coating application system, dip coating application system or high volume low pressure (HVLP) application system.

2) On and after March 15, 1998, wood furniture sealers and topcoats must comply with one of the limitations specified in subsections (l)(2)(A) through (E):

		kg VOM/ kg solids	lb VOM/ lb solids
A)	Topcoat	0.8	(0.8)
B)	Sealers and topcoats with the following limits:		
	i) Sealer other than acid-cured alkyd amino vinyl sealer	1.9	(1.9)
	ii) Topcoat other than acid-cured alkyd amino conversion varnish topcoat	1.8	(1.8)
	iii) Acid-cured alkyd amino vinyl sealer	2.3	(2.3)
	iv) Acid-cured alkyd amino conversion varnish topcoat	2.0	(2.0)

C) Meet the provisions of Section 218.215 of this Subpart for use of an averaging approach;

D) Achieve a reduction in emissions equivalent to the requirements of subsection (l)(2)(A) or (B) of this Section, as calculated using Section 218.216 of this Subpart; or

E) Use a combination of the methods specified in subsections (l)(2)(A) through (D) of this Section.

3) Other wood furniture coating limitations on and after March 15, 1998:

		kg/l	lb/gal
A)	Opaque stain	0.56	(4.7)
B)	Non-topcoat pigmented coat	0.60	(5.0)
C)	Repair coat	0.67	(5.6)
D)	Semi-transparent stain	0.79	(6.6)
E)	Wash coat	0.73	(6.1)

4) Other wood furniture coating requirements on and after March 15, 1998:

A) No source subject to the limitations of subsection (l)(2) or (3) of this Section and utilizing one or more wood furniture coating spray booths shall use strippable spray booth coatings containing more than 0.8 kg VOM/kg solids (0.8 lb VOM/lb solids), as applied.

B) Any source subject to the limitations of subsection (l)(2) or (3) of this Section shall comply with the requirements of Section 218.217 of this Subpart.

C) Any source subject to the limitations of subsection (l)(2)(A) or (B) of this Section and utilizing one or more continuous coaters shall, for each continuous coater, use an initial coating which complies with the limitations of subsection (l)(2)(A) or (B) of this Section. The viscosity of the coating in each reservoir shall always be greater than or equal to the viscosity of the initial coating in the reservoir. The owner or operator shall:

i) Monitor the viscosity of the coating in the reservoir with a viscosity meter or by testing the viscosity of the initial coating and retesting the coating in the reservoir each time solvent is added;

ii) Collect and record the reservoir viscosity and the amount and weight of VOM per weight of solids of coating and solvent each time coating or solvent is added; and

iii) Maintain these records at the source for a period of three years.

		kg/l	lb/gal
m)	Existing Diesel-Electric Locomotive Coating Lines in Cook County		

1) Extreme performance prime coat	0.42 0.42*	(3.5) (3.5)*
2) Extreme performance top-coat (air dried)	0.42 0.42*	(3.5) (3.5)*
3) Final repair coat (air dried)	0.42 0.42*	(3.5) (3.5)*
4) High-temperature aluminum coating	0.72 0.72*	(6.0) (6.0)*
5) All other coatings	0.36 0.36*	(3.0) (3.0)*
n) Prior to May 1, 2012: Plastic Parts Coating: Automotive/Transportation	kg/l	lb/gal
1) Interiors		
A) Baked		
i) Color coat	0.49*	(4.1)*
ii) Primer	0.46*	(3.8)*
B) Air dried		
i) Color coat	0.38*	(3.2)*
ii) Primer	0.42*	(3.5)*
2) Exteriors (flexible and non-flexible)		
A) Baked		
i) Primer	0.60*	(5.0)*
ii) Primer non flexible	0.54*	(4.5)*
iii) Clear coat	0.52*	(4.3)*
iv) Color coat	0.55*	(4.6)*
B) Air dried		

	i)	Primer	0.66*	(5.5)*
	ii)	Clear coat	0.54*	(4.5)*
	iii)	Color coat (red & black)	0.67*	(5.6)*
	iv)	Color coat (others)	0.61*	(5.1)*
3)	Specialty			
	A)	Vacuum metallizing basecoats, texture base coats	0.66*	(5.5)*
	B)	Black coatings, reflective argent coatings, air bag cover coatings, and soft coatings	0.71*	(5.9)*
	C)	Gloss reducers, vacuum metallizing topcoats, and texture topcoats	0.77*	(6.4)*
	D)	Stencil coatings, adhesion primers, ink pad coatings, electrostatic prep coatings, and resist coatings	0.82*	(6.8)*
	E)	Headlamp lens coatings	0.89*	(7.4)*

BOARD NOTE: On and after May 1, 2012, the limitations in Section 218.204(q)~~218.240(q)~~ shall apply to this category of coating.

o)	Prior to May 1, 2012: Plastic Parts Coating: Business Machine		kg/l	lb/gal
1)	Primer		0.14*	(1.2)*
2)	Color coat (non-texture coat)		0.28*	(2.3)*
3)	Color coat (texture coat)		0.28*	(2.3)*
4)	Electromagnetic interference/radio frequency interference (EMI/RFI) shielding coatings		0.48*	(4.0)*
5)	Specialty coatings			
	A)	Soft coat	0.52*	(4.3)*

B)	Plating resist	0.71*	(5.9)*
C)	Plating sensitizer	0.85*	(7.1)*

BOARD NOTE: On and after May 1, 2012, the limitations in Section 218.204(q) shall apply to this category of coating.

p) Flat Wood Paneling Coatings. On and after August 1, 2010, flat wood paneling coatings shall comply with one of the following limitations:

1) 0.25 kg VOM/l of coatings (2.1 lb VOM/gal coatings); or

2) 0.35 kg VOM/l solids (2.9 lb VOM/gal solids).

q) Miscellaneous Metal Parts and Products Coatings and Plastic Parts and Products Coatings On and After May 1, 2012. On and after May 1, 2012, the owner or operator of a miscellaneous metal or plastic parts coating line shall comply with the limitations in this subsection (q). The limitations in this subsection (q) shall not apply to ~~aerosol coating products, powder coatings, or~~ primer sealants and ejection cartridge sealants used in ammunition manufacturing, aerosol coating products, or powder coatings. Primer sealants and ejection cartridge sealants shall instead be regulated under Subpart TT of this Part

1) Metal Parts and Products. For purposes of this subsection (q)(1), "corrosion resistant basecoat" means a water-borne epoxy coating applied via an electrodeposition process to a metal surface prior to spray coating, for the purpose of enhancing corrosion resistance. The limitations in this subsection (q)(1) shall not apply to stencil coats, safety-indicating coatings, solid-film lubricants, electric-insulating and thermal-conducting coatings, magnetic data storage disk coatings, and plastic extruded onto metal parts to form a coating. The limitations in Section 218.219, however, shall apply to these coatings unless specifically excluded in Section 218.219. The owner or operator shall comply with either the limit in weight of VOM per volume of coatings applied or weight of VOM per volume of solids applied.

		kg/l (lb/gal) coatings	kg/l (lb/gal) solids
A)	General one component coating		
i)	Air dried	0.34 (2.8)	0.54 (4.52)
ii)	Baked	0.28 (2.3)	0.40 (3.35)

B)	General multi-component coating			
	i)	Air dried	0.34 (2.8)	0.54 (4.52)
	ii)	Baked	0.28 (2.3)	0.40 (3.35)
C)	Camouflage coating		0.42 (3.5)	0.80 (6.67)
D)	Electric-insulating varnish		0.42 (3.5)	0.80 (6.67)
E)	Etching filler		0.42 (3.5)	0.80 (6.67)
F)	Extreme high-gloss coating			
	i)	Air dried	0.42 (3.5)	0.80 (6.67)
	ii)	Baked	0.36 (3.0)	0.61 (5.06)
G)	Extreme performance coating			
	i)	Air dried	0.42 (3.5)	0.80 (6.67)
	ii)	Baked	0.36 (3.0)	0.61 (5.06)
H)	Heat-resistant coating			
	i)	Air dried	0.42 (3.5)	0.80 (6.67)
	ii)	Baked	0.36 (3.0)	0.61 (5.06)
I)	High performance architectural coating		0.42 (3.5)	0.80 (6.67)
J)	High temperature coating		0.42	0.80

			(3.5)	(6.67)
K)	Metallic coating			
	i)	Air dried	0.42 (3.5)	0.80 (6.67)
	ii)	Baked	0.36 (3.0)	0.61 (5.06)
L)	Military specification coating			
	i)	Air dried	0.34 (2.8)	0.54 (4.52)
	ii)	Baked	0.28 (2.3)	0.40 (3.35)
M)	Mold-seal coating		0.42 (3.5)	0.80 (6.67)
N)	Pan backing coating		0.42 (3.5)	0.80 (6.67)
O)	Prefabricated architectural coating: multi-component			
	i)	Air dried	0.42 (3.5)	0.80 (6.67)
	ii)	Baked	0.28 (2.3)	0.40 (3.35)
P)	Prefabricated architectural coating: one-component			
	i)	Air dried	0.42 (3.5)	0.80 (6.67)
	ii)	Baked	0.28 (2.3)	0.40 (3.35)
Q)	Pretreatment coating		0.42 (3.5)	0.80 (6.67)
R)	Repair coats and touch-up coatings			

	i)	Air dried	0.42 (3.5)	
	ii)	Baked	0.36 (3.01)	
S)	Silicone release coating		0.42 (3.5)	0.80 (6.67)
T)	Solar-absorbent coating			
	i)	Air dried	0.42 (3.5)	0.80 (6.67)
	ii)	Baked	0.36 (3.0)	0.61 (5.06)
U)	Vacuum-metalizing coating		0.42 (3.5)	0.80 (6.67)
V)	Drum coating, new, exterior		0.34 (2.8)	0.54 (4.52)
W)	Drum coating, new, interior		0.42 (3.5)	0.80 (6.67)
X)	Drum coating, reconditioned, exterior		0.42 (3.5)	0.80 (6.67)
Y)	Drum coating, reconditioned, interior		0.50 (4.2)	1.17 (9.78)
Z)	Ammunition Sealants			
	i)	Air dried	0.42 (3.5)	0.80 (6.67)
	ii)	Baked	0.36 (5.06)	(3.0) 0.61
AA)	Electrical switchgear compartment coatings			
	i)	Air dried	0.42 (3.5)	0.80 (6.67)

	ii)	Baked	0.36 (5.06)	(3.0) 0.61
~~BB)~~	~~All other coatings~~			
	~~i)~~	~~Air dried~~	~~0.40 (3.3)~~	~~0.73 (5.98)~~
	~~ii)~~	~~Baked~~	~~0.34 (4.52)~~	~~(2.8) 0.54~~

2) Plastic Parts and Products: Miscellaneous. For purposes of this subsection (q)(2), miscellaneous plastic parts and products are plastic parts and products that are not subject to subsection (q)(3), (q)(4), (q)(5), or (q)(6) of this Section. The limitations in subsection (q)(2) shall not apply to touch-up and repair coatings; stencil coats applied on clear or transparent substrates; clear or translucent coatings; coatings applied at a paint manufacturing facility while conducting performance tests on the coatings; any individual coating category used in volumes less than 189.2 liters (50 gallons) in any one calendar year, if the total usage of all such coatings does not exceed 756.9 liters (200 gallons) per calendar year per source and substitute compliant coatings are not available; reflective coatings applied to highway cones; mask coatings that are less than 0.5 mm thick (dried) if the area coated is less than 25 square inches; electromagnetic interference/radio frequency interference (EMI/RFI) shielding coatings; and heparin-benzalkonium chloride (HBAC)-containing coatings applied to medical devices if the total usage of all such coatings does not exceed 378.4 liters (100 gallons) per calendar year per source. The limitations in Section 218.219, however, shall apply to such coatings unless specifically excluded in Section 218.219. <u>The owner or operator shall comply with either the limit in weight of VOM per volume of coatings applied or weight of VOM per volume of solids applied.</u>

		kg/l (lb/gal) coatings	kg/l (lb/gal) solids
A)	General one component coating	0.28 (2.3)	0.40 (3.35)
B)	General multi-component	0.42 (3.5)	0.80 (6.67)
C)	Electric dissipating coatings and shock-free coatings	0.80 (6.7)	8.96 (74.7)

D)	Extreme performance (2-pack coatings)	0.42 (3.5)	0.80 (6.67)
E)	Metallic coating	0.42 (3.5)	0.80 (6.67)
F)	Military specification coating		
	i) 1-pack coatings	0.28 (2.3)	0.54 (4.52)
	ii) 2-pack coatings	0.42 (3.5)	0.80 (6.67)
G)	Mold-seal coating	0.76 (6.3)	5.24 (43.7)
H)	Multi-colored coating	0.68 (5.7)	3.04 (25.3)
I)	Optical coating	0.80 (6.7)	8.96 (74.7)
J)	Vacuum-metalizing coating	0.80 (6.7)	8.96 (74.7)

3) Plastic Parts and Products: Automotive/Transportation
The owner or operator shall comply with either the limit in weight of VOM per volume of coatings applied or weight of VOM per volume of solids applied.

		kg/l (lb/gal) coatings	kg/l (lb/gal) solids
A)	High bake coatings – interior and exterior parts		
	i) Flexible primer	0.54 (4.5)	1.39 (11.58)
	ii) Non-flexible primer	0.42 (3.5)	0.80 (6.67)
	iii) Basecoats	0.52	1.24

		(4.3)	(10.34)
	iv) Clear coat	0.48 (4.0)	1.05 (8.76)
	v) Non-basecoat/clear coat	0.52 (4.3)	1.24 (10.34)
B)	Low bake/air dried coatings – exterior parts		
	i) Primers	0.58 (4.8)	1.66 (13.80)
	ii) Basecoat	0.60 (5.0)	1.87 (15.59)
	iii) Clear coats	0.54 (4.5)	1.39 (11.58)
	iv) Non-basecoat/clear coat	0.60 (5.0)	1.87 (15.59)
C)	Low bake/air dried coatings – interior parts		
	i) Color coat	0.38 (3.2)	0.67 (5.66)
	ii) Primer	0.42 (3.5)	0.80 (6.67)
D)	Touchup and repair coatings	0.62 (5.2)	2.13 (17.72)
E)	Specialty		
	i) Vacuum metallizing basecoats	0.66 (5.5)	2.62 (21.8)
	ii) Vacuum metallizing topcoats	0.77 (6.4)	6.06 (49.1)
F)	Red, yellow, and black coatings: Subject coating lines shall		

comply with a limit determined by multiplying the appropriate limit in subsections (q)(3)(A) through (q)(3)(C) of this Section by 1.15.

4) Plastic Parts and Products: Business Machine. The limitations of this subsection (q)(4) shall not apply to vacuum metallizing coatings, gloss reducers, texture topcoats, adhesion primers, electrostatic preparation coatings, stencil coats, and resist coats other than plating resist coats. The limitations in Section 218.219, however, shall apply to such coatings unless specifically excluded in Section 218.219. The owner or operator shall comply with either the limit in weight of VOM per volume of coatings applied or weight of VOM per volume of solids applied.

		kg/l (lb/gal) coatings	kg/l (lb/gal) solids
A)	Primers	0.35 (2.9)	0.57 (4.80)
B)	Topcoat	0.35 (2.9)	0.57 (4.80)
C)	Color coat (texture coat)	0.28 (2.3)	0.40 (4.80)
D)	Color coat (non-texture coat)	0.28 (2.3)	0.40 (4.80)
E)	Texture coats other than color texture coats	0.35 (2.9)	0.57 (4.80)
F)	EMI/RFI shielding coatings	0.48 (4.0)	1.05 (8.76)
G)	Fog coat	0.26 (2.2)	0.38 (3.14)
H)	Touchup and repair	0.35	0.57

5) Pleasure Craft Surface Coatings: The owner or operator shall comply with either the limit in weight of VOM per volume of coatings applied or weight of VOM per volume of solids applied.

		kg/l (lb/gal) coatings	kg/l (lb/gal) solids
A)	Extreme high gloss coating – topcoat	0.60 (5.0)	1.88 (15.6)
B)	High gloss coating – topcoat	0.42 (3.5)	0.80 (6.7)
C)	Pretreatment wash primer	0.78 (6.5)	6.67 (55.6)
D)	Finish primer/surfacer		
	Prior to January 1, 2014	0.60 (5.0)	1.88 (15.6)
	On and after January 1, 2014	0.42 (3.5)	0.80 (6.7)
E)	High build primer/surfacer	0.34 (2.8)	0.55 (4.6)
F)	Aluminum substrate antifoulant coating	0.56 (4.7)	1.53 (12.8)
G)	Other substrate antifoulant coating	0.40 (3.3)	0.73 (5.8)
H)	Antifouling Sealer/Tie Coat	0.42 (3.5)	0.80 (6.7)
I)	All other pleasure craft surface coatings for metal or plastic	0.42 (3.5)	0.80 (6.7)

6) Motor Vehicle Materials

		kg/l (lb/gal) coatings
A)	Cavity wax	0.65 (5.42)

B)	Sealer	0.65 (5.42)
C)	Deadener	0.65 (5.42)
D)	Gasket/gasket sealing material	0.20 (1.67)
E)	Underbody coating	0.65 (5.42)
F)	Trunk interior coating	0.65 (5.42)
G)	Bedliner	0.20 (1.67)
H)	Lubricating wax/compound	0.70 (5.84)

(Source: Amended at Ill. Reg. , effective)

SUBPART H: PRINTING AND PUBLISHING

Section 218.401 Flexographic and Rotogravure Printing

a) No owner or operator of a subject flexographic or rotogravure printing line shall apply at any time any coating or ink unless the VOM content does not exceed the limitation specified in either subsection (a)(1) or (a)(2), as applicable. Compliance with this Section must be demonstrated through the applicable coating or ink analysis test methods and procedures specified in Section 218.105(a) of this Part and the recordkeeping and reporting requirements specified in Section 218.404(c) of this Part. As an alternative to compliance with this subsection, a subject printing line may meet the requirements of subsection (b) or (c).

1) Prior to August 1, 2010, either:

A Forty percent VOM by volume of the coating and ink (minus water and any compounds which are specifically exempted from the definition of VOM); or

B) Twenty-five percent VOM by volume of the volatile content in the coating and ink; and

2) On and after August 1, 2010:

A) For owners operators of flexographic or rotogravure printing lines that do not print flexible packaging, either:

i) Forty percent VOM by volume of the coating and ink (minus water and any compounds that are specifically exempted from the definition of VOM); or

ii) Twenty-five percent VOM by volume of the volatile content in the coating and ink;

B) For owners or operators of flexographic or rotogravure printing lines that print flexible packaging, or that print flexible packaging and non-flexible packaging on the same line, either:

i) 0.8 kg VOM/kg (0.8 lbs VOM/lb) solids applied; or

ii) 0.16 kg VOM/kg (0.16 lbs VOM/lb) inks and coatings applied.

b) Weighted Averaging Alternative

1) Prior to August 1, 2010, no owner or operator of a subject flexographic or rotogravure printing line shall apply coatings or inks on the subject printing line unless the weighted average, by volume, VOM content of all coatings and inks as applied each day on the subject printing line does not exceed the limitation specified in either subsection (a)(1)(A) (as determined by subsection (b)(1)(A)) or subsection (a)(1)(B)) (as determined by subsection (b)(1)(B). Compliance with this subsection must be demonstrated through the applicable coating or ink analysis test methods and procedures specified in Section 218.105(a) of this Part and the recordkeeping and reporting requirements specified in Section 218.404(d) of this Part.

A) The following equation shall be used to determine if the weighted average VOM content of all coatings and inks as applied each day on the subject printing line exceeds the limitation specified in subsection (a)(1)(A) of this Section.

$$VOM_{(b)(1)(A)} = \frac{\sum_{i=1}^{n} C_i L_i (V_{si} + V_{VOMi})}{\sum_{i=1}^{n} L_i (V_{si} + V_{VOMi})}$$

where:

$VOM_{(i)(A)}$ = The weighted average VOM content in units of percent VOM by volume of all coatings and inks (minus water and any compounds that are specifically exempted from the definition of VOM) used each day;

i = Subscript denoting a specific coating or ink as applied;

n = The number of different coatings and/or inks as applied each day on a printing line;

C_i = The VOM content in units of percent VOM by volume of each coating or ink as applied (minus water and any compounds that are specifically exempted from the definition of VOM);

L_i = The liquid volume of each coating or ink as applied in units of l (gal);

V_{si} = The volume fraction of solids in each coating or ink as applied; and

V_{VOMi} = The volume fraction of VOM in each coating or ink as applied.

B) The following equation shall be used to determine if the weighted average VOM content of all coatings and inks as applied each day on the subject printing line exceeds the limitation specified in subsection (a)(1)(B) of this Section.

$$VOM_{(i)(B)} = \frac{\sum_{i=1}^{n} C_i L_i V_{VMi}}{\sum_{i=1}^{n} L_i V_{VMi}}$$

where:

$VOM_{(i)(B)}$ = The weighted average VOM content in units of percent VOM by volume of the volatile content of all coatings and inks used each day;

i = Subscript denoting a specific coating or ink as applied;

n = The number of different coatings and/or inks as applied each day on each printing line;

C_i = The VOM content in units of percent VOM by volume of the volatile matter in each coating or ink as applied;

L_i = The liquid volume of each coating or ink as applied in units of l (gal) and

V_{VMi} = The volume fraction of volatile matter in each coating or ink as applied.

2) On and after August 1, 2010, no owner or operator of a subject flexographic or rotogravure printing line that does not print flexible packaging shall apply coatings or inks on the subject printing line unless the weighted average, by weight, VOM content of all coatings and inks as applied each day on the subject printing line does not exceed the limitation specified in either subsection (a)(2)(A)(i) (calculated in accordance with the equation in subsection (b)(1)(A)) or (a)(2)(A)(ii) (calculated in accordance with the equation in subsection (b)(1)(B)) of this Section. Compliance with this subsection (b)(2) shall be demonstrated through the applicable coating or ink analysis test methods and procedures specified in Section 218.105(a) of this Part and the recordkeeping and reporting requirements specified in Section 218.404(d) of this Subpart.

3) On and after August 1, 2010, no owner or operator of a subject flexographic or rotogravure printing line that prints flexible packaging, or that prints flexible packaging and non-flexible packaging on the same line, shall apply coatings or inks on the subject printing line unless the weighted average, by weight, VOM content of all coatings and inks as applied each day on the subject printing line does not exceed the limitation specified in either subsection (a)(2)(B)(i) (calculated in accordance with the equation in subsection (b)(3)(A)) or subsection (a)(2)(B)(ii) (calculated in accordance with the equation in subsection (b)(3)(B)) of this Section. Compliance with this subsection (b)(3) shall be demonstrated through the applicable coating or ink analysis test methods and procedures specified in Section 218.105(a) of this Part and the recordkeeping and reporting requirements specified in Section 218.404(d) of this Subpart.

A) The following equation shall be used to determine if the weighted average VOM content of all coatings and inks as applied each day on the subject printing line exceeds the limitation specified in subsection (a)(2)(B)(i) of this Section.

$$VOM_{(A)} = \frac{\sum_{i=1}^{n} C_i W_i}{\sum_{i=1}^{n} W_i}$$

where:

$VOM_{(A)}$ = The weighted average VOM content in units of kg VOM per kg (lbs VOM per lb) solids of all coatings and inks used each day;

i = Subscript denoting a specific coating or ink as applied;

n = The number of different coatings and/or inks as applied each day on a printing line;

C_i = The VOM content in units of kg VOM per kg (lbs VOM per lb) solids of each coating or ink as applied;

W_i = Weight of solids in each coating or ink, as applied, in units of kg (lb).

B) The following equation shall be used to determine if the weighted average VOM content of all coatings and inks as applied each day on the subject printing line exceeds the limitation specified in subsection (a)(2)(B)(ii) of this Section.

$$VOM_{(B)} = \frac{\sum_{i=1}^{n} C_i L_i}{\sum_{i=1}^{n} L_i}$$

where:

$VOM_{(B)}$ = The weighted average VOM content in units of kg (lbs) VOM per weight in kg (lbs) of all coatings or inks as applied each day;

i = Subscript denoting a specific coating or ink as applied;

n = The number of different coatings and/or inks as applied each day on each printing line;

C_i = The VOM content in units of kg (lbs) VOM per weight in kg (lbs) of each coating or ink as applied;

L_i = The weight of each coating or ink, as applied, in units of kg (lb).

c) Capture System and Control Device Requirements

1) Prior to August 1, 2010, no owner or operator of a subject flexographic or rotogravure printing line equipped with a capture system and control device shall operate the subject printing line unless the owner or operator meets the requirements in subsection (c)(1)(A)(i), (c)(1)(A)(ii), or (c)(1)(A)(iii), as well as subsections (c)(1)(B~~D~~), (c)(5), and (c)(6).

A One of:

i) A carbon adsorption system is used that reduces the captured VOM emissions by at least 90 percent by weight; or

ii) An incineration system is used that reduces the captured VOM emissions by at least 90 percent by weight; or

iii) An alternative VOM emission reduction system is used that is demonstrated to have at least a 90 percent control device efficiency, approved by the Agency and approved by USEPA as a SIP revision; and

B) The printing line is equipped with a capture system and control device that provides an overall reduction in VOM emissions of at least:

i) 75 percent where a publication rotogravure printing line is employed; or

ii) 65 percent where a packaging rotogravure printing line is employed; or

iii) 60 percent where a flexographic printing line is employed;

2) On and after August 1, 2010, no owner or operator of a flexographic or rotogravure printing line that does not print flexible packaging and that is equipped with a capture system and control device shall operate the subject printing line unless the owner or operator meets the requirements in subsection (c)(1)(A)(i), (c)(1)(A)(ii), or (c)(1)(A)(iii), as well as subsections (c)(1)(B), (c)(5), and (c)(6) of this Section;

3) On and after August 1, 2010, no owner or operator of a flexographic or rotogravure printing line that prints flexible packaging and that is equipped with a capture system and control device shall operate the subject printing line unless the owner or operator meets the requirements in subsections (c)(5) and (c)(6) of this Section and the capture system and control device provides an overall reduction in VOM emissions of at least:

A) 65 percent in cases in which a subject printing line was first constructed at the subject source prior to March 14, 1995 and utilizes a control device that was first constructed at the subject source prior to January 1, 2010; or

B) 70 percent when a subject printing line was first constructed at the subject source prior to March 14, 1995 and utilizes a control device that was first constructed at the subject source on and after January 1, 2010; or

C) 75 percent when a subject printing line was first constructed at the subject source on and after March 14, 1995 and utilizes a control device that was first constructed at the subject source prior to January 1, 2010; or

D) 80 percent when a subject printing line was first constructed at the subject source on and after March 14, 1995 and utilizes a control device that was first constructed at the subject source on and after January 1, 2010;

4) On and after August 1, 2010, the owner or operator of a flexographic or rotogravure printing line that prints flexible packaging and non-flexible packaging on the same line and that is equipped with a control device shall be subject to the requirements of either subsection (c)(1)(B) or (c)(3) of this Section, whichever is more stringent, as well as subsections (c)(5) and (c)(6) of this Section;

5) The control device is equipped with the applicable monitoring equipment specified in Section 218.105(d)(2) of this Part and except as provided in Section 218.105(d)(3) of this Part, the monitoring equipment is installed, calibrated, operated and maintained according to vendor specifications at all times the control device is in use; and

6) The capture system and control device are operated at all times when the subject printing line is in operation. The owner or operator shall demonstrate compliance with this subsection by using the applicable capture system and control device test methods and procedures specified in Section 218.105(c) through Section 218.105(f) of this Part and by

complying with the recordkeeping and reporting requirements specified in Section 218.404(e) of this Part. The owner or operator of a printing line subject to the requirements in subsection (c)(1)(B) or (c)(2) of this Section that performed all testing necessary to demonstrate compliance with subsection (c)(1)(B) prior to August 1, 2010 is not required to retest pursuant to this subsection (c)(6). The owner or operator of a printing line subject to the requirements in subsection (c)(3) shall perform testing in compliance with this subsection (c)(6), even if the owner or operator already performed such testing prior to August 1, 2010, unless the following conditions are met. Nothing in this subsection (c)(6), however, shall limit the Agency's ability to require that the owner or operator perform testing pursuant to 35 Ill. Adm. Code 201.282:

A) On and after May 1, 2000, the owner or operator of the subject printing line performed all testing necessary to demonstrate compliance with subsection (c)(1)(B);

B) Such testing also demonstrated an overall control efficiency equal to or greater than the applicable control efficiency requirements in subsection (c)(3);

C) The owner or operator submitted the results of such tests to the Agency, and the tests were not rejected by the Agency;

D) The same capture system and control device subject to the tests referenced in subsection (c)(6)(A) of this Section is still being used by the subject printing line; and

E) The owner or operator complies with all recordkeeping and reporting requirements in Section 218.404(e)(1)(B).

d) No owner or operator of subject flexographic or rotogravure printing lines that print flexible packaging or print flexible packaging and non-flexible packaging on the same line shall cause or allow VOM containing cleaning materials, including used cleaning towels, associated with the subject flexographic or rotogravure printing lines to be kept, stored, or disposed of in any manner other than in closed containers, or conveyed from one location to another in any manner other than in closed containers or pipes, except when specifically in use.

(Source: Amended at Ill. Reg. , effective)

SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT MANUFACTURING PROCESSES

Section 218.926 Control Requirements

Every owner or operator of miscellaneous fabricated product manufacturing process emission unit subject to this Subpart shall comply with the requirements of subsection (a), (b) or (c) of this Section:

a) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent from each emission unit; or (Board Note: For the purpose of this provision, an emission unit is any part or activity at a source of a type that by itself is subject to control requirements in other Subparts of this Part or 40 CFR 60, incorporated by reference in Section 218.112, e.g., a coating line, a printing line, a process unit, a wastewater system, or other equipment, or is otherwise any part or activity at a source.)

b) For coating lines:

1) The daily-weighted average VOM content shall not exceed 0.42 kg VOM/l (3.5 lbs VOM/gal) of coating as applied (minus water and any compounds which are specifically exempted from the definition of VOM) during any day. Owners and operators complying with this limitation are not required to comply with Section 218.301 of this Part; or

2) For application of coatings to leather at a source where the criteria of Section 218.290(a) are not met:

A) For application of stain coating to leather, other than specialty leather, either

i) The VOM contained in stain coatings, other than stain coatings applied to specialty leather, as applied at the source in any consecutive 12-month period shall not exceed 10 tons; or

ii) The application of stain coatings shall comply with Section 218.926(b)(2)(C) below; or

B) For application of coatings to specialty leather, the total VOM content of all coatings, including stains, as applied to a category of specialty leather, shall not exceed 38 lbs per 1000 square feet of such specialty leather produced, determined on a monthly basis:

$$C = E/A$$

Where:

C= The VOM contained in all coatings applied to a category of specialty leather in units of lbs/square feet;

E= The total VOM content of all coatings applied to the category of specialty leather during each month in units of lbs determined as the sum of the VOM content of each coating applied during the month to such leather;

A= The total area of the category of specialty leather produced in the month in units of square feet, determined as the sum of the area of each type of leather item produced during the month based on the number of such items produced and the area of such item, measured or established in accordance with procedures set in a federally enforceable permit; or

C) For application of coatings to leather, except for such coatings as are complying by means of Section 218.926(b)(2)(A) or (B) above, either

i) The VOM content of each coating shall not exceed 0.42 kg VOM/l (3.5 lbs VOM/gal) of coating as applied (minus water and any compounds which are specifically exempted from the definition of VOM). Owners and operators complying with this limitation are not subject to Section 218.301 of this Part; or

ii) The daily-weighted average VOM content shall not exceed 0.42 kg ~~Kg~~VOM~~om~~/l (3.5 lbs VOM~~om~~/gal) of coating as applied as provided in Section 218.916(b)(1) above; or

c) An equivalent alternative control plan which has been approved by the Agency and the USEPA in federally enforceable permit or as a SIP revision.

(Source: Amended at Ill. Reg. , effective)