ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

- 1) <u>Heading of the Part</u>: Organic Material Emission Standards and Limitations for the Chicago Area
- 2) <u>Code Citation</u>: 35 Ill. Adm. Code 218

3)	Section Numbers:	Proposed Action:	CLERK'S OFFICE
	218.106	Amended	NOV 1 7 2009
	218.204	Amended	
	218.205	Amended	STATE OF ILLINOIS
	218.207	Amended	Pollution Control Board
	218.210	Amended	
	218.211	Amended	
	218.212	Amended	
	218.218	New	

- 4) <u>Statutory Authority</u>: 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]
- A Complete Description of the Subjects and Issues Involved: The proposed rulemaking 5) is intended to satisfy Illinois' obligation to submit a State Implementation Plan addressing requirements under Sections 172 and 182 of the federal Clean Air Act, 42 USC 7401 et seq., for sources of volatile organic material (VOM) emissions in areas designated as nonattainment with respect to the ozone National Ambient Air Quality Standard. The United States Environmental Protection Agency (USEPA) issued Control Techniques Guidelines (CTGs) for the following Group III Consumer and Commercial Product Categories: Paper, Film, and Foil Coatings, Metal Furniture Coatings, and Large Appliance Coatings. In the CTGs, the USEPA recommended control measures that it believes constitute reasonably available control technology for those product categories. The Illinois EPA proposes amending Parts 218 to implement such recommendations for the Chicago nonattainment area. Generally, the proposal amends VOM content limitations and exclusions, requires that metal furniture and large appliance coating lines comply with application method limitations, and requires that subject coating lines implement specified work practices for cleaning materials and/or cleaning-related activities.
- 6) <u>Published studies or reports, and sources of underlying data, used to compose this rulemaking</u>: The regulatory proposal included the Illinois EPA's Technical Support Document, which relied on several sources. Copies of the documents the Illinois EPA relied upon are available for review with the Pollution Control Board and are listed below:

 $\frac{1}{09}$

RECEIVED

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Control Techniques Guidelines for Paper, Film, and Foil Coatings, United States Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC, September 2007.

Control Techniques Guidelines for Metal Furniture Coatings, United States Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC, September 2007.

Control Techniques Guidelines for Large Appliance Coatings, United States Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC, September 2007.

- 7) <u>Will these proposed amendments replace any emergency rulemaking currently in effect?</u> No
- 8) <u>Does this rulemaking contain an automatic repeal date?</u> No
- 9) Do these proposed amendments contain incorporations by reference? No
- 10) Are there any other proposed amendments pending on this Part? No
- 11) <u>Statement of Statewide Policy Objectives</u>: This proposed rule does not create or enlarge a State mandate, as defined in Section 3(b) of the State Mandates Act. [30 ILCS 805/3(b) (2006)].
- 12) <u>Time, Place, and Manner in which interested persons may comment on this proposed</u> <u>rulemaking</u>: Interested persons may request copies of the Board's opinion and order by calling the Clerk's office at 312-814-3620, or may download copies from the Board's Web site at www.ipcb.state.il.us. The Board will accept written public comment on this proposal for 45 days after the date of publication in the *Illinois Register*. Comments should reference Docket R10-10 and be addressed to:

Clerk's Office Illinois Pollution Control Board 100 W. Randolph St., Suite 11-500 Chicago, IL 60601

312/814-3620

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

The Board has scheduled hearings according to the deadlines and for the purposes established by Section 28.5. Each hearing will continue from day-to-day until business is completed:

First hearing:	Wednesday, December 9, 2009 10:00 AM James R. Thompson Center 100 W. Randolph St. Pollution Control Board Conference Room 11-512 Chicago, Illinois
Second hearing: (if necessary)	Wednesday, January 6, 2010 10:00 AM Michael A. Bilandic Building 160 N. LaSalle Street Room N-505 Chicago, Illinois
Third hearing: (if necessary)	Wednesday, January 20, 2010 10:00 AM Michael A. Bilandic Building 160 N. LaSalle Street Room N-505 Chicago, Illinois

A November 5, 2009 hearing officer order contains additional details concerning participation in the rulemaking. For more information contact Hearing Officer Tim Fox at 312-814-6085 or email at foxt@ipcb.state.il.us.

13) Initial Regulatory Flexibility Analysis:

- A) <u>Types of small businesses, small municipalities and not for profit corporations</u> <u>affected</u>: this rulemaking will impact any small business, small municipality, and not for profit corporation that falls within one of the Group III Product Categories and meets the applicability thresholds specified in the proposal.
- B) <u>Reporting, bookkeeping or other procedures required for compliance</u>: the proposed rulemaking requires that the owner or operator of a subject source perform emissions monitoring, submit certifications, complete required tests, and maintain records and make reports as required.

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

- C) <u>Types of Professional skills necessary for compliance</u>: no professional skills beyond those currently required by the existing state and federal air pollution control regulations applicable to affected sources will be required.
- 14) <u>Regulatory Agenda on which this rulemaking was summarized</u>: July 2009

The full text of the Proposed Amendments begins on the next page:

đ			
	and the second s		
P.4	4		
	TTTLE 35:	ENVIRONMENTAL PROTECTION	
	SUBTITIE B.	ATR POLLUTION	
	CHAPTER T.	POLILITION CONTROL BOARD	
	SUBCHADTER	C. EMISSIONS STANDARDS AND	RECENCE
	LIMITATIONS	FOR STATIONARY SOURCES	CLERK'S OFFICE
	DIMITATIOND	TOK DIATIONALI DOOKCED	S OFFICE
	PART 218		NOV 1 7 2000
	ORGANIC MAT	FRIAL EMISSION STANDARDS AND	2009
	LITMITATIONS	FOR THE CHICAGO AREA	STATE OF ILLINGIA
			Pollution Control Board
	SUBPART A:	GENERAL PROVISIONS	of the board
	Section		
	218.100	Introduction	
	218.101	Savings Clause	
	218.102	Abbreviations and Conversion Factors	
	218.103	Applicability	
	218.104	Definitions	
	218.105	Test Methods and Procedures	
	218.106	Compliance Dates	
	218.107	Operation of Afterburners	
	218.108	Exemptions, Variations, and Alternative Means of Control	or
	Compliance	Determinations	
	218.109	Vapor Pressure of Volatile Organic Liquids	
	218.110	Vapor Pressure of Organic Material or Solvent	
	218.111	Vapor Pressure of Volatile Organic Material	
	218.112	Incorporations by Reference	
	218.113	Monitoring for Negligibly-Reactive Compounds	
	218.114	Compliance with Permit Conditions	
		ADGINEG DUEGETONG VDAV GDADI GD	
	SUBPART B:	ORGANIC EMISSIONS FROM STORAGE	
	AND LOADING	OPERATIONS	
	Section		
	219 119	Applicability for NOI	
	218 120	Control Pequirements for Storage Containers of MOL	
	218.120	Storage Containers of VDL	
	210.121	Loading Operations	
	218 123	Petroleum Liquid Storage Tanks	
	218 124	External Floating Roofs	
	218 125	Compliance Dates	
	218,126	Compliance Plan (Repealed)	
	218,127	Testing VOL Operations	
	218.128	Monitoring VOL Operations	
	218.129	Recordkeeping and Reporting for VOL Operations	
	SUBPART C:	ORGANIC EMISSIONS FROM MISCELLANEOUS EQUIPMENT	
	Section		
	218.141	Separation Operations	
	218.142	Pumps and Compressors	
	218.143	Vapor Blowdown	
	218.144	Sarety Relier Valves	
	SUBPART E:	SOLVENT CLEANING	
	Section		

218.181Solvent Cleaning in General218.182Cold Cleaning218.183Open Top Vapor Degreasing218.184Conveyorized Degreasing 218.185 Compliance Schedule (Repealed) 218.186 Test Methods SUBPART F: COATING OPERATIONS Section 218.204 Emission Limitations 218.204 Emission Himitations
218.205 Daily-Weighted Average Limitations
218.206 Solids Basis Calculation
218.207 Alternative Emission Limitations
218.208 Exemptions from Emission Limitations
218.209 Exemption from General Rule on Use of Organic Material
218.210 Compliance Schedule 218.210 Compliance Schedule 218.211 Recordkeeping and Reporting 218.212 Cross-Line Averaging to Establish Compliance for Coating Lines Recordkeeping and Reporting for Cross-Line Averaging Participating 218.213 Coating Lines 218.214 Changing Compliance Methods 218.215 Wood Furniture Coating Averaging Approach Wood Furniture Coating Add-On Control Use 218.216 218.217 Wood Furniture Coating Work Practice Standards218.218 Work Practice Standards for Paper Coatings, Metal Furniture Coatings, and Large Appliance Coatings SUBPART G: USE OF ORGANIC MATERIAL Section 218.301 Use of Organic Material 218.302 Alternative Standard 218.303 Fuel Combustion Emission Units 218.304 Operations with Compliance Program SUBPART H: PRINTING AND PUBLISHING Section Flexographic and Rotogravure Printing 218.401 Applicability 218.402 Compliance Schedule 218.403 218.404 Recordkeeping and Reporting 218.405 Lithographic Printing: Applicability 218.406 Provisions Applying to Heatset Web Offset Lithographic Printing Prior to March 15, 1996 218.407 Emission Limitations and Control Requirements for Lithographic Printing Lines On and After March 15, 1996 218.408 Compliance Schedule for Lithographic Printing On and After March 15, 1996 218.409 Testing for Lithographic Printing On and After March 15, 1996 218.410 Monitoring Requirements for Lithographic Printing 218.411 Recordkeeping and Reporting for Lithographic Printing SUBPART Q: SYNTHETIC ORGANIC CHEMICAL AND POLYMER MANUFACTURING PLANT

19 A.

Section 218.421 General Requirements 218.422 Inspection Program Plan for Leaks 218.423 Inspection Program for Leaks 218.425Inspection Flogram for Leaks218.424Repairing Leaks218.425Recordkeeping for Leaks218.426Report for Leaks218.427Alternative Program for Leaks218.428Open-Ended Valves218.429Standards for Control Devices 218.429 Standards for Control Devices 218.430 Compliance Date (Repealed) 218.431 Applicability 218.432 Control Requirements 218.433 Performance and Testing Requirements 218.434 Monitoring Requirements 218.435 Recordkeeping and Reporting Requirements 218.436 Compliance Date SUBPART R: PETROLEUM REFINING AND RELATED INDUSTRIES; ASPHALT MATERIALS Section 218.441 Petroleum Refinery Waste Gas Disposal 218.442 Vacuum Producing Systems 218.443 Wastewater (Oil/Water) Separator 218.444 Process Unit Turnarounds
218.445 Leaks: General Requirements
218.446 Monitoring Program Plan for Leaks
218.447 Monitoring Program for Leaks
218.448 Decordbooring for Leaks 218.448 Recordkeeping for Leaks 218.449 Reporting for Leaks 218.450 Alternative Program for Leaks 218.451 Sealing Device Requirements 218.452 Compliance Schedule for Leaks Compliance Dates (Repealed) 218.453 SUBPART S: RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS Section 218.461Manufacture of Pneumatic Rubber Tires218.461Green Tire Spraying Operations218.463Alternative Emission Reduction Systems218.464Emission Testing218.465Compliance Dates (Repealed) 218.466 Compliance Plan (Repealed) SUBPART T: PHARMACEUTICAL MANUFACTURING Section 218.480 Applicability 218.481 Control of Reactors, Distillation Units, Crystallizers, Centrifuges and Vacuum Dryers 218.482 Control of Air Dryers, Production Equipment Exhaust Systems and Filters 218.483Material Storage and Transfer218.484In-Process Tanks

 $z^{\hat{6}} \in \mathbb{N}_{2}$

218.485Leaks218.486Other Emission Units218.487Testing Monitoring for Air Pollution Control Equipment 218.488 218.489 Recordkeeping for Air Pollution Control Equipment SUBPART V: BATCH OPERATIONS AND AIR OXIDATION PROCESSES Section 218.500 Applicability for Batch Operations Control Requirements for Batch Operations 218.501 218.502 Determination of Uncontrolled Total Annual Mass Emissions and Average Flow Rate Values for Batch Operations 218.503 Performance and Testing Requirements for Batch Operations 218.504 Monitoring Requirements for Batch Operations 218.505 Reporting and Recordkeeping for Batch Operations 218.506 Compliance Date 218.520 Emission Limitations for Air Oxidation Processes Definitions (Repealed) 218.521 218.521 Definitions (Repeated)
218.522 Savings Clause
218.523 Compliance
218.524 Determination of Applicability
218.525 Emission Limitations for Air Oxidation Processes
218.526 Testing and Monitoring
218.527 Compliance Date (Repealed) SUBPART W: AGRICULTURE Section 218.541 Pesticide Exception SUBPART X: CONSTRUCTION Section 218.561Architectural Coatings218.562Paving Operations218.563Cutback Asphalt SUBPART Y: GASOLINE DISTRIBUTION Section 218.581 Bulk Gasoline Plants 218.582 Bulk Gasoline Terminals 218.583 Gasoline Dispensing Operations - Storage Tank Filling Operations 218.584 Gasoline Delivery Vessels 218.585 Gasoline Volatility Standards 218.586 Gasoline Dispensing Operations - Motor Vehicle Fueling Operations SUBPART Z: DRY CLEANERS Section 218.601 Perchloroethylene Dry Cleaners (Repealed) 218.602 Applicability (Repealed) 218.603 Leaks (Repealed) 218.604Compliance Dates (Repealed)218.605Compliance Plan (Repealed)218.606Exception to Compliance Pla 218.606 Exception to Compliance Plan (Repealed)

. ч_.,

218.607 Standards for Petroleum Solvent Dry Cleaners 218.608 Operating Practices for Petroleum Solvent Dry Cleaners 218.609 Program for Inspection and Repair of Leaks 218.610 Testing and Monitoring 218.611 Applicability for Petroleum Solvent Dry Cleaners 218.612 Compliance Dates (Repealed) 218.613 Compliance Plan (Repealed) SUBPART AA: PAINT AND INK MANUFACTURING Section 218.620 Applicability Exemption for Waterbase Material and Heatset =Offset Ink 218.621 Permit Conditions (Repealed) 218.623 Open _Top Mills, Tanks, Vats or Vessels 218.624 Grinding Mills 218.625 218.626 Storage Tanks 218.628 Leaks 218.630 Clean Up 218.636 Compliance Schedule 218.637 Recordkeeping and Reporting SUBPART BB: POLYSTYRENE PLANTS Section 218.640 Applicability 218.642 Emissions Limitation at Polystyrene Plants 218.644 Emissions Testing SUBPART CC: POLYESTER RESIN PRODUCT MANUFACTURING PROCESS Section 218.660 Applicability 218.666 Control Requirements 218.667 Compliance Schedule Testing 218.668 Recordkeeping and Reporting for Exempt Emission Units 218.670 Recordkeeping and Reporting for Subject Emission Units 218.672 SUBPART DD: AEROSOL CAN FILLING Section 218.680 Applicability Control Requirements 218.686 218.688 Testing 218.690 Recordkeeping and Reporting for Exempt Emission Units 218.692 Recordkeeping and Reporting for Subject Emission Units SUBPART FF: BAKERY OVENS (REPEALED) Section 218.720 Applicability (Repealed) 218.722 Control Requirements (Repealed) 218.726 Testing (Repealed) 218.727 Monitoring (Repealed) 218.728 Recordkeeping and Reporting (Repealed) 218.729 Compliance Date (Repealed)

218.730 Certification (Repeated	218.73	0	Certi	ficat	tion ((Repeal	ed)
---------------------------------	--------	---	-------	-------	--------	---------	-----

SUBPART GG: MARINE TERMINALS

2.04

Section	
218.760	Applicability
218.762	Control Requirements
218.764	Compliance Certification
218.766	Leaks
218.768	Testing and Monitoring
218.770	Recordkeeping and Reporting

SUBPART HH:	MOTOR VEHICLE REFINISHING
Section	
218.780	Emission Limitations
218.782	Alternative Control Requirements
218.784	Equipment Specifications
218.786	Surface Preparation Materials
218.787	Work Practices
218.788	Testing
218.789	Monitoring and Recordkeeping for Control Devices
218.790	General Recordkeeping and Reporting (Repealed)
218.791	Compliance Date
218.792	Registration
218.875	Applicability of Subpart BB (Renumbered)
218.877	Emissions Limitation at Polystyrene Plants (Renumbered)
218.879	Compliance Date (Repealed)
218 881	Compliance Plan (Repealed)

218.881Compliance Plan (Repealed)218.883Special Requirements for Compliance Plan (Repealed)218.886Emissions Testing (Renumbered)

SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT MANUFACTURING PROCESSES

Section	
218.920	Applicability
218.923	Permit Conditions (Repealed)
218.926	Control Requirements
218.927	Compliance Schedule
218.928	Testing
218.929	Cementable and Dress or Performance Shoe Leather

SUBPART QQ: MISCELLANEOUS FORMULATION MANUFACTURING PROCESSES

Section		
218.940	Applicability	
218.943	Permit Conditions (Repeale	d)
218.946	Control Requirements	
218.947	Compliance Schedule	
218.948	Testing	

SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL MANUFACTURING PROCESSES

Section

4

Applicability 218.960 Permit Conditions (Repealed) 218.963 Control Requirements 218.966 218.967 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 Testing 218.988 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 TRE Index Measurements for SOCMI Reactors and Distillation 218.APPENDIX G+ 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, 2928. 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. at 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, amended in R97-31 at 22 Ill. Reg. 3556, effective February 2, 1998; 1997: 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 R10<u>08</u>-108 at 3432 Ill. Reg. <u>14874.</u> effective August 26, 2008; amended in R10-10 at 34 Ill. Reg. , effective

SUBPART A: GENERAL PROVISIONS

· ·

I

Section 218.106 Compliance Dates

a) Except as otherwise provided in this Section or as otherwise provided in a specific Subpart of this Part, compliance with the requirements of all rules is required by July 1, 1991, or September 1, 1991, for all sources located in Cook, DuPage, Kane, Lake, McHenry, or Will Counties, consistent with the appropriate provisions of Section 218.103 of this Subpart.

b) Except as otherwise provided in this Section or as otherwise provided in a specific Subpart of this Part, compliance with the requirements of this Part is required by November 15, 1993, for all sources located in Aux Sable Township or Goose Lake Township in Grundy County, or in Oswego Township in Kendall County.

c) All emission units which meet the applicability requirements of Sections 218.402(a)(2), 218.611(b), 218.620(b), 218.660(a), 218.680(a), 218.920(b), 218.940(b), 218.960(b) or 218.980(b) of this Part, including emission units at sources which are excluded from the applicability criteria of Sections 218.402(a)(1), 218.611(a), 218.620(a), 218.920(a), 218.940(a), 218.960(a), or 218.980(a) of this Part by virtue of permit conditions or other enforceable means, must comply with the requirements of Subparts H, Z, AA, CC, DD, PP, QQ, RR or TT of this Part, respectively, by March 15, 1995. Any owner or operator of an emission unit which has already met the applicability requirements of Sections 218.402(a)(1), 218.611(a), 218.620(a), 218.920(a), 218.940(a), 218.960(a) 218.980(a) of this Part on or by the effective date of this subsection is required to comply with all compliance dates or schedules found in Sections 218.106(a) or 218.106(b), as applicable.

d) Any owner or operator of a source with an emission unit subject to the requirements of Section 218.204(m)(2) or (m)(3) of this Part shall comply with those requirements by March 25, 1995.

e) Any owner or operator of a source subject to the requirements of Section 218.204(c)(2), 218.204(g)(2), or 218.204(h)(2) of this Part shall comply with the applicable requirements in such Section(s) the applicable subsections, as well as all applicable requirements in Sections 218.205 through 218.214 and 218.218, by May 1, 2011.

(Source: Amended at 34 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 SectionsSection 218.204(c), 218.204(g), 218.204(h), and 218.204(l), 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.

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:

a)Automobile or Light-Duty Truck Coatingkg/llb/gall)Prime coat0.14(1.2)0.14*(1.2)*2)Primer surface coat1.81(15.1)1.81*(15.1)*(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) 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.)kg3Topcoatkg/llb/gal3)Topcoat1.81(15.1)1.81*(15.1)1.81*(15.1)**(Not

e: 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 dailyweighted average from an entire topcoat operation. Compliance shall be demonstrated in accordance with the topcoat protocol referenced in Section 218.105(b) 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.)kg/llb/gal 4)Final repair coatcoatkg/llb/gal0.58(4.8)0.58*(4.8)*

b)Can Coatingkg/llb/gall)Sheet basecoat and overvarnishAovervarnishA)Sheet basecoat0.34(2.8)0.26*(2.2)*B)Overvarnish0.34(2.8)0.34(2.8)*2)Exterior basecoat and overvarnish0.34(2.8)0.25*(2.1)*3)Interior body spray coatAcoatA)Two piece0.51(4.2)0.44*(3.7)*B)Three piece0.51(4.2)0.51*(4.2)*4)Exterior end coat0.51(4.2)0.51*(4.2)*5)Side seam spray coat0.66(5.5)0.66*(5.5)*6)End sealing compound coat0.44(3.7)0.44*(3.7)*

		kg/l Lb/gal
c)	Paper Coating	0.35 (2.9)
		0.28* (2.3)*
	 Prior to May 1, 	2011:
kg/ l	<u>lbllb</u> /gal 0.28 (2.3)	On and after May 1,
2011:		kg VOM/ <u>kgkg_VOM/</u> kg _kg(lb _VOM/ kg
<u>1b)</u> (1b VOM/	lb) (lb_VOM/lb) solids applied	coatings appliedAappliedcoatings
appliedA)	Pressure sensitive tape an	d
label surface	ce coatings 0.20	(0.067)
	B) All other paper	coatings 0.40 (0.08)
	(Note: The paper coating limitation	on shall not apply to any owner or
operator of	any paper coating line on which fl	exographic or rotogravure printing

operator of any paper coating line on which flexographic or rotogravure printing is performed if the paper coating line complies with the emissions limitations in Section 218.401 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 waterbased clays.)

kg/llb/galdd)(Coil Coati	ngCoatingkg/	llb/gal	L0.31 (2.	6)0.20*(1	.7)*e)H	Fabric
Coating0.35 (2.9)0.28*(2.3)*f)Vinyl Coating0.45 (3.8)0.28*(2.3)*g)Metal							
Furniture Coat	Furniture Coating 1) Prior to May 1, 2011:						
	kg/ l	1b/ga	1 All	b/galA)	Air d	ried	
0.34 (2	2.8)	B)	Baked			0.28	(2.3)
2) On	1 and after	r May 1, 201	1:	kg,	/ l kg/l	lkg/l	
<u>(lb/gal)</u> (lb/ga	al) ———	(1b/gal)		solids a	plied		
	appliedA)	General, On	e-Compo	nent 0.	275		0.40
0.2750.40(2.3))	(3.3)	B)	General,	Multi-		
ComponentiComr	<u>oonenti</u>)	Air Dried		0.340		0.55	
0.3400.55(2.8))	(4.5)ii)	Baked		0.275		0.40
0.2750.40(2.3))	(3.3)C)	Extrem	e High 🔂	loss	<u>i)</u>	lossi)Air
Dried 0 .	.340	0.55	0.3400	55(2.8)		(4.5)i	i) Baked
0.	.360	0.61 0.3	600.61(3.0)	(5.1)]	D)	Extreme
Performance	<u> </u>	erformancei)	Air Dri	ied	0.420		0.80
0.4200.80(3.5))	(6.7)ii)	Baked		0.360		0.61
0.3600.61(3.0))	(5.1)E)	Heat 🔒	lesistant i	Resistant	ti)	Air Dried
0.420	0.80	<u>0.4200.80</u>	(3.5)	(6.	.7)ii)	Baked	
0.360 0.	61 <u>0.36</u>	<u>500.61</u> (3.0)		(5.1)		F)	Metallic
0.	420	0.80	0.4200	<u>.80</u> (3.5)		(6.7)	
G) Pretreat	ment Coati	ings	0.420	0. 6	30	0.4200	<u>.80</u> (3.5)
(6.7)H)	Solar	Absorbent) Absorbe	<u>enti)</u> Ai	r Dried
0.420	0.80	0.420	0.80(3.	5)	(6.7):	ii)	Baked
0.360	0.61	0.3600.61	(3.0)	(5.	.1)		
1)	- Air-dı	ried		0.3) 6	(3.0)	
				03	<u>4*</u>	(2.8)*	-
2)	- Baked			03	6	(3.0)	
				0.2	38+	(2.3) *	-
			_				_

(Note: On and after May 1, 2011, these limitations shall not apply to stencil coatings, safety-indicating coatings, solid-film lubricants, electricinsulating and thermal-conducting coatings, touch-up and repair coatings, or coating applications utilizing hand-held aerosol cans.)

3) On and after May 1, 2011, an owner or operator of a coating line subject to the limitations in <u>this</u> subsection (g) of this Section shall apply all coatings using one or more of the following application methods:

- A) Electrostatic spray;
- B) High volume low pressure (HVLP) spray;

C) Flow coating. For the purposes of this subsection (g), flow coating means a non-atomized technique of applying coating to a substrate with a fluid nozzle with no air supplied to the nozzle;

D) Roll coating;

E) Dip coating, including electrodeposition. For purposes of this subsection (g), 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; or

F) Another coating application method capable of achieving a transfer efficiency equal to or better than that achieved by HVLP spraying, if such method is approved in writing by the Agency.

Į.,

h)Large Appliance Coating Prior to May 1, 2011: 1) kg/l lb/gal Allb/galA) Air dried Dried0.34 (2.8)B) Baked 0.28 (2.3)2) On and after May 1, 2011: $\frac{kg}{l}$ kg/l kg/lkg/l <u>(lb/gal)</u>(lb/gal) (lb/gal) solids applied -AappliedA) General, One- Component 0.275 0.40 (3.3)B) General, Multi-ComponentiComponenti) <u>0.2750.40</u>(2.3) Air Dried 0.3400.55(2.8) 0.340 0.55 (4.5)ii) 0.275 0.2750.40(2.3) Baked 0.40 i) <u>Glossi)</u>Air Dried (3.3)C) Extreme High Gloss 0.340 (4.5)ii) 0.55 0.3400.55(2.8)Baked 0.360 <u>0.3600.61</u>(3.0) 0.61 (5.1)D) Extreme Performance -i) Performancei) Air Dried 0.420 0.4200.80(3.5)0.80 (6.7)ii) Baked 0.360 0.61 <u>0.3600.61</u>(3.0) (5.1)E)Heat <u>ResistantiResistanti</u>) Air Dried 0.420 0.80 <u>0.4200.80</u>(3.5) (6.7)ii) Baked 0.360 0.61 0.3600.61(3.0)(5.1)F) Metallic 0.420 <u>0.4200.80</u>(3.5) (6.7)Pretreatment 0.80 G) 0.80 <u>0.4200.80</u>(3.5) Coatings 0.420 (6.7)H) i) Absorbenti) Air Dried Solar Absorbent 0.420 0.80 0.4200.80(3.5)(6.7)0.61 ii) Baked 0.360 <u>0.3600.61</u>(3.0) (5.1)1) 0.34 (2.8)Air dried 0.34* (2.8)*0.34 (2.8) Baked 2) 0.28* (2.3)*

(NoteBOARD NOTE: These limitations 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 11 (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.)

3) On and after May 1, 2011, an owner or operator of a coating line subject to the limitations in <u>this</u> subsection (h) of this Section shall apply all coatings using one or more of the following application methods:

- A) Electrostatic spray;
- B) High volume low pressure (HVLP) spray;

C) Flow coating. For the purposes of this subsection (h), flow coating means a non-atomized technique of applying coating to a substrate with a fluid nozzle with no air supplied to the nozzle;

D) Roll coating;

ł.,

E) Brush coating;

F) Dip coating, including electrodeposition. For purposes of this subsection(h), electrodeposition means a water-borne dip coating process in which oppositeelectrical 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; or

G) Another coating application method capable of achieving a transfer efficiency equal to or better than that achieved by HVLP spraying, if such method is approved in writing by the Agency.

```
kg/llb/galii) Magnet Wire
```

t .

CoatingCoatingkg/11b/gal0.20(1.7)0.20*(1.7)*j)Miscellaneous Metal Parts and Products Coating1)Clear coating0.52(4.3)0.52*(4.3)*2)Extreme performance coatingAcoatingA)Air dried0.42(3.5)0.42*(3.5)*B)Baked0.42(3.5)0.40*(3.3)*3)Steel pail and drum interior coating0.52(4.3)0.52*(4.3)*4)All other coatingAcoatingA)Air Dried0.42(3.5)0.40*(3.3)*B)Baked0.36(3.0)0.34*(2.8)*5)Marine engine coatingAcoatingA)Air Dried0.42(3.5)0.42*(3.5)*B)Baked0.36(3.0)0.34*(2.8)*5)Marine engine coatingAcoatingA)Air Dried0.42(3.5)0.42*(3.5)*B)Bakedi)Primer/Topcoat0.42(3.5)0.42*(3.5)*ii)Cor rosion resistant basecoat0.42(3.5)0.28*(2.3)*C)Clear Coating0.52(4.3)0.52*(4.3)*6)Metallic CoatingACoatingA)Air Dried0.42(3.5)0.42*(3.5)*B)Baked0.36(3.0)0.36(3.0)* 7) Definitions

A) For purposes of subsection 218.204(j)(5) of this Section, the following terms are defined:

i) "Corrosion resistant basecoat" means, for purposes of subsection 218.204(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 218.204(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 218.204(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 218.204(j)(6) of this Section, "metallic coating" means a coating which contains more than 1/4 lb/gal of metal particles, as applied.

k)Heavy Off-Highway Vehicle Products Coatingkg/llb/gal1)Extreme performance prime coat0.42(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) above.

1) Wood Furniture Coating1)Limitations before March 15, 1998:kg/llb/galAgalA)Clear topcoat0.67(5.6)B)Opaque stain0.56(4.7)C)Pigmented coat0.60(5.0)D)Repair coat0.67(5.6)E)Sealer0.67(5.6)F)Semi-transparent stain0.79(6.6)G)Wash coat0.73(6.1)(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 1 (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, airassisted 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 (1)(2)(A) through (E), below:

kg VOM/ kg solidslb VOM/ lb solidsA)Topcoat0.8(0.8)B)Sealers and topcoats with the following limits:i)Sealer other than acid-cured alkyd amino vinyl sealer1.9(1.9)ii)Topcoat other than acid-cured alkyd amino conversion varnish topcoat1.8(1.8)iii)Acidcured alkyd amino vinyl sealer2.3(2.3)iv)Acid-cured alkyd amino conversion varnish topcoat2.0(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 (1)(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 (1)(2)(A) through (D) of this Section.

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

kg/llb/galA)Opaque stain0.56(4.7)B)Non-topcoat pigmented coat0.60(5.0)C)Repair coat0.67(5.6)D)Semi-transparent stain0.79(6.6)E)Wash coat0.73(6.1) 4) Other wood furniture coating requirements on and after March 15, 1998:

A) No source subject to the limitations of subsection (1)(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 (1)(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 (1)(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 (1)(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.

m)Existing Diesel-Electric Locomotive Coating Lines in Cook Countykg/llb/gall)Extreme performance prime coat0.42(3.5)0.42*(3.5)*2)Extreme performance top-coat (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)High-temperature aluminum coating0.72(6.0)0.72*(6.0)*5)All other coatings0.36(3.0)0.36*(3.0)* n)Plastic Parts Coating: Automotive/Transportationkg/llb/gal1)Interiors A)BakediInteriorsA)Bakedi)Color coat0.49*(4.1)*ii)Primer0.46*(3.8)*B)Air DriediDriedi)Color coat0.38*(3.2)*ii)Primer0.42*(3.5)*2)Exteriors (flexible and non-flexible)A) BakediBakedi) Primer0.60*(5.0)*ii) Primer nonflexible0.54*(4.5)*iii)Clear coat0.52*(4.3)*iv)Color coat0.55*(4.6)*B)Air DriediDriedi)Primer0.66*(5.5)*ii)Clear coat0.54*(4.5)*iii)Color coat (red & black)0.67*(5.6)*iv)Color coat (others)0.61*(5.1)*3)Specialty A)Vacuum metalizingmetallizing basecoats, texture basecoatsbase coats0.66*(5.5)*B)Black coatings, reflective argent coatings, air bag cover coatings, and soft coatings0.71*(5.9)*C)Gloss reducers, vacuum metalizingmetallizing topcoats, and texture topcoats0.77*(6.4)*D)Stencil coatings, adhesion primers, ink pad coatings, electrostatic prep coatings, and resist coatings0.82*(6.8)*E)HeadlampHeadlamp lens coatings0.89*(7.4)* o)Plastic Parts Coating: Business Machinekg/llb/gall)Primer0.14*(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 coatings0.48*(4.0)*5)Specialty CoatingsACoatingsA)Soft coat0.52*(4.3)*B)Plating resist0.71*(5.9)*C)Plating sensitizer0.85*(7.1)* (Source: Amended at 34 Ill. Reg. ____, effective____

Section 218.205 Daily-Weighted Average Limitations

No owner or operator of a coating line subject to the limitations of Section 218.204 of this Subpart and complying by means of this Section shall operate the subject coating line unless the owner or operator has demonstrated compliance with subsection (a), (b), (c), (d), (e), (f), (g), (h), or (i), or (j) of this Section (depending upon the category of coating) 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(d) of this Subpart:

a) No owner or operator of a coating line subject to only one of the limitations from among Section 218.204(a)(1), (a)(4), (c), (d), (e), (f), -or (i), or, prior to May 1, 2011, (c) of this Subpart shall apply coatings on any such coating line, during any day, whose daily-weighted average VOM content exceeds the emission limitation to which the coatings are subject.

b) No owner or operator of a miscellaneous metal parts and products coating line subject to the limitations of Section 218.204(j) of this Subpart shall apply coatings to miscellaneous metal parts or products on the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met.

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(j) during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l <u>+(3.5 lbs/gal+)</u>), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(j) of this Subpart, during the

same day, the owner or operator shall have a site-specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.

c) No owner or operator of a can coating line subject to the limitations of Section 218.204(b) of this Subpart shall operate the subject coating line using a coating with a VOM content in excess of the limitations specified in Section 218.204(b) of this Subpart unless all of the following requirements are met:

1) An alternative daily emission limitation shall be determined for the can coating operation, i.e. for all of the can coating lines at the source, according to subsection (c)(2) of this Section. Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation.

where:

Ed = Actual VOM emissions for the day in units of kg/day (lbs/day);i = Subscript denoting a specific coating applied;n = Total number of coatings applied in the can coating operation, i.e. all can coating lines at the source;Vi = Volume of each coating applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);Ci = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM). 2) The alternative daily emission limitation (Ad) shall be determined for the can coating operation, i.e. for all of the can coating lines at the source, on a daily basis as follows:

where:

Ad = The VOM emissions allowed for the day in units of kg/day (lbs/day);i = Subscript denoting a specific coating applied; n = Total number of surface coatings applied in the can coating operation; Ci = The VOM content of each surface coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);Di = The density of VOM in each coating applied. For the purposes of calculating Ad, the density is 0.882 kg VOM/1 VOM (7.36 lbs VOM/gal VOM);Vi = Volume of each surface coating applied for the day in units of 1 (gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);Li = The VOM emission limitation for each surface coating applied as specified in Section 218.204(b) of this Subpart in units of kg VOM/1 (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).

d) No owner or operator of a heavy off-highway vehicle products coating line subject to the limitations of Section 218.204(k) of this Subpart shall apply coatings to heavy off-highway vehicle products on the subject coating line unless the requirements of subsection (d)(1) or (d)(2) of this Section are met.

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(k) of this Subpart, during the same day (e.g., all coatings used on the line are

subject to 0.42 kg/l (3.5 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

 \mathcal{L}_{i}

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(k) of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.

e) No owner or operator of a wood furniture coating line subject to the limitations of Section 218.204(l)(1) or (l)(3) of this Subpart shall apply coatings to wood furniture on the subject coating line unless the requirements of subsection (e)(1) or subsection (e)(2) of this Section, in addition to the requirements specified in the note to Section 218.204(l)(1) of this Subpart, are met.

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(l)(1) or (l)(3) of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.67 kg/l (5.6 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(1)(1) or (1)(3) of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.

f) No owner or operator of an existing diesel-electric locomotive coating line in Cook County, subject to the limitations of Section 218.204(m) of this Subpart shall apply coatings to diesel-electric locomotives on the subject coating line unless the requirements of subsection (f)(1) or (f)(2) of this Section are met.

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(m) of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(m) of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) must be satisfied.

g) No owner or operator of a plastic parts coating line, subject to the limitations of Section 218.204(n) or (o) of this Subpart shall apply coatings to business machine or automotive/transportation plastic parts on the subject coating line unless the requirements of subsection (g)(1) or (g)(2) of this Section are met:

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(n) or (o) of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used; or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(n) or (o) of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) must be satisfied.

h) No owner or operator of a metal furniture coating line, subject to the limitations of Section 218.204(g) of this Subpart shall apply coatings on the subject coating line unless the requirements of subsection (h)(1) or (h)(2) of this Section are met:

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(g) of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.34 kg/l (2.8 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used; or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(g) of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) must be satisfied.

i) No owner or operator of a large appliance coating line, subject to the limitations of Section 218.204(h) of this Subpart shall apply coatings on the subject coating line unless the requirements of subsection (i)(l) or (i)(2) of this Section are met:

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(h) of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.34 kg/l (2.8 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(h) of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) must be satisfied.

j) On and after May 1, 2011, no owner or operator of a paper coating line subject to the limitations of Section 218.204(c) of this Subpart shall apply coatings on the subject coating line unless the requirements in subsection (j)(1) or (j)(2) of this Section are met:

к,

1) For each coating line which that applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(c) during the same day (e.g., all coatings used on the line are subject to 0.40 kg/kg solids f(0.08 kg/kg coatings)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used; or

2) For each coating line which that applies coatings subject to more than one numerical emission limitation in Section 218.204(c) during the same day, the owner or operator shall have a site-specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy), 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.

(Source: Amended at 34 Ill. Reg. _____, effective______)

Section 218.207 Alternative Emission Limitations

a) Any owner or operator of a coating line subject to Section 218.204 of this Subpart may comply with this Section, rather than with Section 218.204 of this Subpart, if a capture system and control device are operated at all times the coating line is in operation and the owner or operator demonstrates compliance with subsections (c), (d), (e), (f), (g), (h), (i), (j), $\frac{\partial r}{\partial r}$ (k), or (l) of this Section (depending upon the source category) through the applicable coating analysis and capture system and control device efficiency test methods and procedures specified in Section 218.105 of this Part and the recordkeeping and reporting requirements specified in Section 218.211(e) of this Subpart; and the control device is equipped with the applicable monitoring equipment specified in Section 218.105(d) of this Part and the monitoring equipment is installed, calibrated, operated and maintained according to vendor specifications at all times the control device is in use. A capture system and control device, which does not demonstrate compliance with subsection (c), (d), (e), (f), (g), (h), (i), (j), or(k), or (l) of this Section may be used as an alternative to compliance with Section 218.204 of this Subpart only if the alternative is approved by the Agency and approved by the USEPA as a SIP revision.

b) Alternative Add-On Control Methodologies

1) The coating line is equipped with a capture system and control device that provides 81 percent reduction in the overall emissions of VOM from the coating line and the control device has a 90 percent efficiency, or

2) The system used to control VOM from the coating line is demonstrated to have an overall efficiency sufficient to limit VOM emissions to no more than what is allowed under Section 218.204 of this Subpart. Use of any control system other than an afterburner, carbon adsorption, condensation, or absorption scrubber system can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision. The use of transfer efficiency credits can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision. Baseline transfer efficiencies and transfer efficiency test methods must be approved by the Agency and the USEPA. Such overall efficiency is to be determined as follows:

A) Obtain the emission limitation from the appropriate subsection in Section 218.204 of this Subpart;

B) Calculate "S" according to the equation in Section 218.206 of this Subpart;

C) Calculate the overall efficiency required according to Section 218.105(e) of this Part. For the purposes of calculating this value, according to the equation in Section 218.105(e)(2) of this Part, <u>VOM1VOM1</u> is equal to the value of "S" as determined above in subsection (b)(2)(B) of this Section.

c) No owner or operator of a coating line subject to only one of the emission limitations from among Section 218.204(a)(1), (a)(4), ($\frac{c}{c}$), (d), (e), (f), or (i), or, prior to May 1, 2011, (c) of this Subpart and equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met. No owner or operator of a coating line subject to Section 218.204(a)(2) or 218.204(a)(3) and equipped with a capture system and control device shall operate the coating line unless the owner or operator demonstrates compliance with such limitation in accordance with the topcoat protocol referenced in Section 218.105(b).

d) No owner or operator of a miscellaneous metal parts and products coating line whichthat applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(j) of this Subpart (e.g., all coatings used on the line are subject to 0.42 kg/11 [3.5 lbs/gal], and whichthat is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met.

e) No owner or operator of a heavy off-highway vehicle products coating line which that applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(k) of this Subpart (e.g., all coatings used on the line are subject to 0.42 kg/l [3.5 lbs/gal]), and which that is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b) (1) or (b) (2) of this Section are met.

f) No owner or operator of an existing diesel-electric locomotive coating line in Cook County whichthat applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(m) of this Subpart (e.g., all coatings used on the line are subject to 0.42 kg/1 [3.5 lbs/gal]), and whichthat is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met.

g) No owner or operator of a wood furniture coating line whichthat applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(l) of this Subpart (e.g., all coatings used on the line are subject to 0.67 kg/l [5.6 lbs/gal]), and whichthat is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(l) or (b)(2) of this Section are met. If compliance is achieved by meeting the requirements in subsection (b)(2) of this Section, then the provisions in the note to Section 218.204(l) of this Subpart must also be met.

h) No owner or operator of a can coating line which that is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (h)(1) or (h)(2) of this Section are met.

1) An alternative daily emission limitation shall be determined for the can coating operation, i.e. τ for all of the can coating lines at the source, according to Section 218.205(c)(2) of this Subpart. Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation:

<u>n</u> Ed -? Vi-Ci (1-Fi) 1-1-

where:

Ed = Actual VOM emissions for the day in units of kg/day (lbs/day);i = Subscript denoting the specific coating applied;n = Total number of surface coatings as applied in the can coating operation;Vi = Volume of each coating as applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);Ci = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); andFi andFi Fraction, by weight, of VOM emissions from the surface coating, reduced or prevented from being emitted to the ambient air. This is the overall efficiency of the capture system and control device.

2) The coating line is equipped with a capture system and control device that provide 75 percent reduction in the overall emissions of VOM from the coating line and the control device has a 90 percent efficiency.

i) No owner or operator of a plastic parts coating line which, that applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(n) or (o) of this Subpart (e.g., all coatings used on the line are subject to 0.42 kg/l +(3.5 lbs/gal+)), and which that is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met.

j) Prior to May 1, 2011, noNono owner or operator of a metal furniture coating line which that applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(g) of this Subpart (e.g., all coatings used on the line are subject to 0.34 kg/l + (2.8 lbs/gal)), and which that is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met.

k) Prior to May 1, 2011, noNono owner or operator of a large appliance coating line which that applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(h) of this Subpart (e.g., all coatings used on the line are subject to 0.34 kg/l <u>+(2.8 lbs/gal+)</u>), and which that is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met.

1) On and after May 1, 2011, no owner or operator of a paper coating line, metal furniture coating line, or large appliance coating line which that is equipped with a capture system and control device shall operate the subject coating line unless either:

1) The capture system and control device provide at least 90 percent reduction in the overall emissions of VOM from the coating line; or

2) The owner or operator complies with the applicable limitation set forth in Section 218.204 of this Subpart by utilizing a combination of low-VOM coatings and a capture system and control device.

(Source: Amended at 34 Ill. Reg. ____, effective_____)

Section 218.210 Compliance Schedule

Every owner or operator of a coating line (of a type included within Section 218.204 of this Subpart) shall comply with the requirements of Section 218.204, 218.205, 218.207 or 218.208 and Section 218.211 or Sections 218.212 and 218.213 of this Subpart in accordance with the appropriate compliance schedule as specified in subsection (a), (b), (c), (d), (e), or (f), or (g) <u>below:of this</u> <u>Section:</u>

a) No owner or operator of a coating line whichthat is exempt from the limitations of Section 218.204 of this Subpart because of the criteria in Section 218.208(a) or (b) of this Subpart shall operate said coating line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Section 218.211(b) of this Subpart.

b) No owner or operator of a coating line complying by means of Section 218.204 of this Subpart shall operate said coating line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 218.204 and 218.211(c) of this Subpart.

c) No owner or operator of a coating line complying by means of Section 218.205 of this Subpart shall operate said coating line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 218.205 and 218.211(d) of this Subpart.

d) No owner or operator of a coating line complying by means of Section 218.207 of this Subpart shall operate said coating line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 218.207 and 218.211(e) of this Subpart.

e) No owner or operator of a coating line subject to one or more of the emission limitations contained in Section 218.204 of this Subpart on or after March 15, 1996, choosing to comply by means of Section 218.204, 218.205 or 218.207 of this Subpart, shall operate said coating line on or after March 15, 1996, unless the owner or operator complies with and continues to comply with, respectively, the applicable requirements in Section 218.204, or the alternative control options in Section 218.205 or 218.207 and the requirements of Section 218.211.

f) No owner or operator of a coating line subject to one or more of the emission limitations contained in Section 218.204 of this Subpart on or after March 15, 1996, choosing to comply by means of Section 218.212 of this Subpart, shall operate said coating line on or after March 15, 1996, unless the owner or operator complies with and continues to comply with the requirements of Sections 218.212 and 218.213 of this Subpart.

g) No owner or operator of a coating line subject to the emission limitations in Section 218.204(c)(2), 218.204(g)(2), or 218.204(h)(2) of this Subpart shall operate saidthat coating line on or after a date consistent with Section 218.106(e) of this Part, unless the owner or operator has complied with, and continues to comply with, Section 218.204(c)(2), 218.204(g)(2), or 218.204(h)(2), as applicable, or the alternative control options in Section 218.205 or 218.207, and all applicable requirements in Sections 218.211 and 218.218 of this Subpart.

(Source: Amended at 34 Ill. Reg. ____, effective_____)

Section 218.211 Recordkeeping and Reporting

a) The VOM content of each coating and the efficiency of each capture system and control device shall be determined by the applicable test methods and procedures specified in Section 218.105 of this Part to establish the records required under this Section.

b) Any owner or operator of a coating line which that is exempted from the limitations of Section 218.204 of this Subpart because of Section 218.208(a) or
 (b) of this Subpart shall comply with the following:

1) For sources exempt under Section 218.208(a) of this Subpart, by a date consistent with Section 218.106 of this Part, the owner or operator of a coating line or a group of coating lines referenced in subsection (b) of this Section shall certify to the Agency that the coating line or group of coating lines is exempt under the provisions of Section 218.208(a) of this Subpart. Such certification shall include:

 A) A declaration that the coating line or group of coating lines is exempt from the limitations of Section 218.204 of this Subpart because of Section 218.208(a) of this Subpart; and

B) Calculations which that demonstrate that the combined VOM emissions from the coating lines or group of coating lines never exceed 6.8 kg (15 lbs) per day before the application of capture systems and control devices. The following equation shall be used to calculate total VOM emissions:

where:

Te = Total VOM emissions from coating lines each day before the application of capture systems and control devices in units of kg/day (lbs/day);m = Number of coating lines at the source that otherwise would be subject to the same subsection of Section 218.104 of this Part (because they belong to the same category, e.g., can coating);j = Subscript denoting an individual coating line;n = Number of different coatings as applied each day on each coating line;i = Subscript denoting an individual coating;Ai = Weight of VOM per volume of each coating (minus water and any compounds whichthat are specifically exempted from the definition of VOM) as applied each day on each coating line in units of kg VOM/l (lbs VOM/gal); andBi andBi = Volume of each coating (minus water and any compounds whichthat are specifically exempted from the definition of VOM) as applied each day on each coating line in units of l/day (gal/day). The instrument or method by which the owner or operator accurately measured or calculated the volume of each coating as applied on each coating line each day shall be described in the certification to the Agency.

2) For sources exempt under Section 218.208(b) of this Subpart, by March 15, 1998, or upon initial start-up, the owner or operator of a coating line or a group of coating lines referenced in subsection (b) of this Section shall certify to the Agency that the source is exempt under the provisions of Section 218.208(b) of this Subpart. Such certification shall include:

A) A declaration that the source is exempt from the limitations of Section 218.204(1) of this Subpart because of Section 218.208(b) of this Subpart; and

B) Calculations which demonstrate that the source meets the criteria for exemption because of Section 218.208(b) of this Subpart.

3) For sources exempt under Section 218.208(a) of this Subpart, on and after a date consistent with Section 218.106 of this Part, the owner or operator of a coating line or group of coating lines referenced in this subsection shall collect and record all of the following information each day for each coating line and maintain the information at the source for a period of three years:

A) The name and identification number of each coating as applied on each coating line; and

B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.

4) For sources exempt under Section 218.208(b) of this Subpart, on and after March 15, 1998, the owner or operator of a coating line or group of coating lines referenced in this subsection (b) shall collect and record all of the following information for each coating line and maintain the information at the source for a period of three years:

A) The name and identification number of each coating as applied on each coating line; and

B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied on each coating line on a monthly basis.

5) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a coating line or group of coating lines exempted from the limitations of Section 218.204 of this Subpart because of Section 218.208(a) of this Subpart shall notify the Agency of any record showing that total VOM emissions from the coating line or group of coating lines exceed 6.8 kg (15 lbs) in any day before the application of capture systems and control devices by sending a copy of such record to the Agency within 30 days after the exceedance occurs.

6) On and after March 15, 1998, any owner or operator of a source exempt from the limitations of Section 218.204(l) of this Subpart because of Section 218.208(b) of this Subpart shall notify the Agency if the source's VOM emissions exceed the limitations of Section 218.208(b) of this Subpart by sending a copy of calculations showing such an exceedance within 30 days after the change occurs. c) Any owner or operator of a coating line subject to the limitations of Section 218.204 of this Subpart other than Section 218.204(a)(2) or (a)(3) of this Subpart and complying by means of Section 218.204 of this Subpart shall comply with the following:

1) By a date consistent with Section 218.106 of this Part, or upon initial startupstart-up of a new coating line, or upon changing the method of compliance from an existing subject coating line from Section 218.205, Section 218.207, Section 218.215, or Section 218.216 of this Subpart to Section 218.204 of this Subpart; the owner or operator of a subject coating line shall certify to the Agency that the coating line will be in compliance with Section 218.204 of this Subpart on and after a date consistent with Section 218.106 of this Part, or on and after the initial startupstart-up date. SuchThe certification shall include:

A) The name and identification number of each coating as applied on each coating line;

B) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line; and

C) On and after March 15, 1998, for coating lines subject to the limitations of Section 218.204(1)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line;-

D) For coating lines subject to the limitations of Section 218.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line; and

E) For coating lines subject to the limitations of Section 218.204(g)(2) or 218.204(h)(2) of this Subpart, the application method(s)methods used to apply coatings on the subject coating line and the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applicable) as applied each day on each coating line.

2) On and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date, the owner or operator of a subject coating line shall collect and record all of the following information each day for each coating line and maintain the information at the source for a period of three years:

A) The name and identification number of each coating as applied on each coating line;

B) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line;

C) On and after March 15, 1998, for coating lines subject to the limitations of Section 218.204(l)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line and certified product data sheets for each coating; and

D) On and after March 15, 1998, for wood furniture coating spray booths subject to the limitations of Section 218.204(l)(4)(A) of this Subpart, the

weight of VOM per weight of solids in each strippable spray booth coating as applied each day on each spray booth and certified product data sheets for each coating;-

E) For coating lines subject to the limitations of Section 218.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line, and certified product data sheets for each coating; and

F) For coating lines subject to the limitations of Section 218.204(g)(2) or 218.204(h)(2) of this Subpart, the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applicable) as applied each day on each coating line, and certified product data sheets for each coating.

3) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a subject coating line shall notify the Agency in the following instances:

A) Any record showing violation of Section 218.204 of this Subpart shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.

B) At least 30 calendar days before changing the method of compliance from Section 218.204 of this Subpart to Section 218.205 or Section 218.207 of this Subpart, the owner or operator shall comply with all requirements of subsection (d)(1) or (e)(1) of this Section below, respectively. Upon changing the method of compliance from Section 218.204 of this Subpart to Section 218.205 of this Subpart or Section 218.207 of this Subpart, the owner or operator shall comply with all requirements of subsection (d) or (e) of this Section, respectively.

d) Any owner or operator of a coating line subject to the limitations of Section 218.204 of this Subpart and complying by means of Section 218.205 of this Subpart shall comply with the following:

1) By a date consistent with Section 218.106 of this Part, or upon initial start-up of a new coating line, or upon changing the method of compliance for an existing subject coating line from Section 218.204 or Section 218.207 of this Subpart to Section 218.205 of this Subpart; the owner or operator of the subject coating line shall certify to the Agency that the coating line will be in compliance with Section 218.205 of this Subpart on and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date. Such The certification shall include:

A) The name and identification number of each coating line which will comply by means of Section 218.205 of this Subpart.

B) The name and identification number of each coating as applied on each coating line.

C) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.

D) On and after March 15, 1998, for coating lines subject to the limitations of Section 218.204(l)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line.

E) For coating lines subject to the limitations of Section 218.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line.

F) For coating lines subject to the limitations of Section 218.204(g)(2) or 218.204(h)(2) of this Subpart, the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applicable) as applied each day on each coating line.

GEG) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating as applied each day on each coating line.

HFH) The method by which the owner or operator will create and maintain records each day as required in subsection (d)(2) of this Section.

IGI) An example of the format in which the records required in subsection (d)(2) of this Section will be kept.

2) On and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date, the owner or operator of a subject coating line shall collect and record all of the following information each day for each coating line and maintain the information at the source for a period of three years:

A) The name and identification number of each coating as applied on each coating line.

B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.

C) On and after March 15, 1998, for coating lines subject to the limitations of Section 218.204(l)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line.

D) For coating lines subject to the limitations of Section 218.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line.

E) For coating lines subject to the limitations of Section 218.204(g)(2) or 218.204(h)(2) of this Subpart, the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applicable) as applied each day on each coating line.

FDF) The daily-weighted average VOM content of all coatings as applied on each coating line as defined in Section 218.104 of this Part.

3) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a subject coating line shall notify the Agency in the following instances:

A) Any record showing violation of Section 218.205 of this Subpart shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.

B) At least 30 calendar days before changing the method of compliance with this Subpart from Section 218.205 of this Subpart to Section 218.204 or Section 218.207 of this Subpart, the owner or operator shall comply with all requirements of subsection (c)(1) or (e)(1) of this Section, respectively. Upon changing the method of compliance with this subpart from Section 218.205 to Section 218.204 or Section 218.207 of this Subpart, the owner or operator shall comply with all requirements of subsection (c) or (e) of this Section, respectively.

e) Any owner or operator of a coating line subject to the limitations of Section 218.207 of this Subpart and complying by means of Section 218.207(c), (d), (e), (f), (g), or (h), or (l) of this Subpart shall comply with the following:

1) By a date consistent with Section 218.106 of this Part, or upon initial startupstart-up of a new coating line, or upon changing the method of compliance for an existing coating line from Section 218.204 or Section 218.205 of this Subpart to Section 218.207 of this Subpart, the owner or operator of the subject coating line shall perform all tests and submit to the Agency the results of all tests and calculations necessary to demonstrate that the subject coating line will be in compliance with Section 218.207 of this Subpart on and after a date consistent with Section 218.106 of this Part, or on and after the initial startupstart-up date.

2) On and after a date consistent with Section 218.106 of this Part, or on and after the initial startupstart-up date, the owner or operator of a subject coating line shall collect and record all of the following information each day for each coating line and maintain the information at the source for a period of three years:

A) The weight of VOM per volume of coating solids as applied each day on each coating line, if complying pursuant to Section 218.207(b)(2) of this Subpart.

B) Control device monitoring data.

C) A log of operating time for the capture system, control device, monitoring equipment and the associated coating line.

D) A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.

3) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a subject coating line shall notify the Agency in the following instances:

A) Any record showing violation of Section 218.207 of this Subpart shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.

B) At least 30 calendar days before changing the method of compliance with this Subpart from Section 218.207 of this Subpart to Section 218.204 or Section 218.205 of this Subpart, the owner or operator shall comply with all

requirements of subsection (c)(1) or (d)(1) of this Section, respectively. Upon changing the method of compliance with this subpart from Section 218.207 of this Subpart to Section 218.204 or Section 218.205 of this Subpart, the owner or operator shall comply with all requirements of subsection (c) or (d) of this Section, respectively.

f) Any owner or operator of a primer surfacer operation or topcoat operation subject to the limitations of Section 218.204(a)(2) or (a)(3) of this Subpart shall comply with the following:

1) By a date consistent with Section 218.106 of this Part, or upon initial startupstart-up of a new coating operation, the owner or operator of a subject coating operation shall certify to the Agency that the operation will be in compliance with Section 218.204 of this Subpart on and after a date consistent with Section 218.106 of this Part, or on and after the initial startupstart-up date. Such The certification shall include:

A) The name and identification number of each coating operation which will comply by means of Section 218.204(a)(2) and (a)(3) of this Subpart and the name and identification number of each coating line in each coating operation.

B) The name and identification number of each coating as applied on each coating line in the coating operation.

C) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.

D) The transfer efficiency and control efficiency measured for each coating line.

E) Test reports, including raw data and calculations documenting the testing performed to measure transfer efficiency and control efficiency.

F) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating as applied each day on each coating line.

G) The method by which the owner or operator will create and maintain records each day as required in subsection (f)(2) below.of this Section.

H) An example format for presenting the records required in subsection (f)(2) below.of this Section.

2) On and after a date consistent with Section 218.106 of this Part, or on and after the initial startupstart-up date, the owner or operator of a subject coating operation shall collect and record all of the following information each day for each operation and maintain the information at the source for a period of three years:

A) All information necessary to calculate the daily-weighted average VOM emissions from the coating operations in kg (lbs) per 1 (gal) of coating solids deposited in accordance with the proposal submitted, and approved pursuant to Section 218.204(a)(2) or (a)(3) of this Subpart including:

i) The name and identification number of each coating as applied on each coating operation.

ii) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating operation.

B) If a control device(s) is or devices are used to control VOM emissions, control device monitoring data; a log of operating time for the capture system, control device, monitoring equipment and the associated coating operation; and a maintenance log for the capture system, control device and monitoring equipment, detailing all routine and non-routine maintenance performed including dates and duration of any outages.

3) On and after a date consistent with Section 218.106 of this Part or on and after the initial <u>startupstart-up</u> date, the owner or operator of a subject coating operation shall determine and record the daily VOM emissions in kg (lbs) per 1 (gal) of coating solids deposited in accordance with the proposal submitted and approved pursuant to Section 218.204(a)(2) or (a)(3) of this Subpart within 10 days from the end of the month and maintain this information at the source for a period of three years.

4) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a subject coating operation shall notify the Agency in the following instances:

A) Any record showing a violation of Section 218.204(a)(2) or (a)(3) of this Subpart shall be reported by sending a copy of such record to the Agency within 15 days from the end of the month in which the violation occurred.

B) The owner or operator shall notify the Agency of any change to the operation at least 30 days before the change is **affectedeffected**. The Agency shall determine whether or not compliance testing is required. If the Agency determines that compliance testing is required, then the owner or operator shall submit a testing proposal to the Agency within 30 days and test within 30 days of the approval of the proposal by the Agency and USEPA.

g) On and after a date consistent with Section 218.106(e) of this Part, or on and after the initial startup date, whichever is later, the owner or operator of a coating line subject to the requirements of Section 218.218 of this Subpart shall comply with the following:

1) By May 1, 2011, or upon initial startup, whichever is later, submit a certification to the Agency that includes a description of the practices and procedures that the source will follow to ensure compliance with the applicable requirements in Section 218.218 of this Subpart;

2) Notify the Agency of any violation of Section 218.218 of this Subpart by providing a description of the violation and copies of records documenting such the violation to the Agency within 30 days following the occurrence of the violation; and

3) Maintain at the source all records required by this subsection (g) for a minimum of three years from the date the document was created and make suchthose records available to the Agency upon request.

(Source: Amended at 34 Ill. Reg. ____, effective_____)

Section 218.212 Cross-Line Averaging to Establish Compliance for Coating Lines

a) On and after March 15, 1996, any owner or operator of a coating line subject to the limitations set forth in Section 218.204 of this Subpart, except coating lines subject to the limitations in Section 218.204(c)(2), (g)(2), or (h)(2) of this Subpart, and with coating lines in operation prior to January 1, 1991 ("pre-existing coating lines"), may, for pre-existing coating lines only, elect to comply with the requirements of this Section, rather than complying with the applicable emission limitations set forth in Section 218.204, if an operational change of the type described below has been made after January 1, 1991, to one or more pre-existing coating lines at the source. An operational change occurs when a pre-existing coating line is replaced with a line using lower VOM coating for the same purpose as the replaced line ("replacement line"). A source electing to rely on this Section to demonstrate compliance with the requirements of this Subpart shall operate pursuant to federally enforceable permit conditions approved by the Agency and USEPA.

b) An owner or operator of pre-existing coating lines subject to a VOM content limitation in Section 218.204 of this Subpart and electing to rely on this Section to demonstrate compliance with this Subpart must establish, by use of the equations in subsection (d) of this Section, that the calculated actual daily VOM emissions from all participating coating lines, as defined below, are less than the calculated daily allowable VOM emissions from the same group of coating lines. For any pre-existing coating line to be aggregated for the purposes of Section 218.212, 218.213, or 218.214 of this Subpart ("participating coating lines"), the source must establish that:

1) All coatings applied on the participating coating line shall, at all times, have a VOM content less than or equal to the applicable VOM content limitation for such coating listed in Appendix H of this Part; and

2) On the date the source elects to rely on this Section to demonstrate compliance with this Subpart, all coatings applied on the participating coating line are not already in compliance with the VOM content limitation for such coating effective on or after March 15, 1996; or the participating coating line is a replacement line, as defined in subsection (a) of this Section with an operational change occurring on or after January 1, 1991.

c) Notwithstanding subsection (a) of this Section, any owner or operator of a coating line subject to the limitations set forth in Section 218.204 of this Subpart and electing to rely on this Section to demonstrate compliance with this Subpart, may also include as a participating coating line, until December 31, 1999, only, any replacement line that satisfies all of the following conditions:

1) The replacement line is operated as a powder coating line;

2) The replacement line was added after July 1, 1988; and

3) The owner or operator also includes as a participating coating line one or more coating lines that satisfy the criteria of a replacement line, as described in subsection (a) of this Section.

d) To demonstrate compliance with this Section, a source shall establish the following:

1) An alternative daily emission limitation shall be determined for all participating coating lines at the source according to subsection (d)(2) of this Section. All participating coating lines shall be factored in each day to

demonstrate compliance. Provided compliance is established pursuant to the requirements in this subsection, nothing in this Section requires daily operation of each participating line. Actual daily emissions from all participating coating lines (Ed) shall never exceed the alternative daily emission limitation (Ad) and shall be calculated by use of the following equation:

where:

Ed = Actual daily VOM emissions from participating coating lines in units of kg/day (lbs/day); i = Subscript denoting a specific coating applied; n = Total number of coatings applied by all participating coating lines at the source; Vi = Volume of each coating applied for the day in units of l/day (gal/day) of coating 3(minus water and any compounds which are specifically exempted from the definition of VOM); and Ci andCi = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM). 2) The alternative daily emission limitation (Ad) shall be determined for all participating coating lines at the source on a daily basis as follows:

Ad = Al + Ap

where <u>Ad Al</u> and <u>A</u> Ap are defined in subsections $(\underline{d})(2)(A)$ and $(\underline{d})(2)(B)$ of this Section.

A) The portion of the alternative daily emissions limitation for coating operations at a source using non-powder coating (Al) shall be determined for all such participating non-powder coating lines on a daily basis as follows:

n Al - S Vi (Di Ci) ______i=1 Li (Di Li)

where:

Al = The VOM emissions allowed for the day in units of kg/day (lbs/day); i = Subscript denoting a specific coating applied; n = Total number of coatings applied in the participating coating lines; Ci = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); Di = The density of VOM in each coating applied. For the purposes of calculating Al, the density is 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM); Vi = Volume of each coating applied for the day in units of l (gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); and Li andLi = The VOM emission limitation for each coating applied, as specified in Section 218.204 of this Subpart, in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).

B) The portion of the alternative daily emission limitation for coating operations at a source using powdered coating (Ap) shall be determined for all

such participating powder coating lines at the source on a daily basis as follows:

 $\frac{h}{hp} = \frac{a}{a} \qquad \frac{a}{bj} = \frac{bj}{bj}$

where:

Ap = The VOM emissions allowed for the day in units of kg/day (lbs/day); h =Subscript denoting a specific powder coating line; j = Subscript denoting a specific powder coating applied; m = Total number of participating powder coating lines; n = Total number of powder coatings applied in the participating coating lines; Dj = The assumed density of VOM in liquid coating, 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM); Vj = Volume of each powder coating consumed for the day in units of 1 (gal) of coating; and Lj = The VOM emission limitation for each coating applied, as specified in Section 218.204 of this Subpart, in units of kg VOM/1 (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of A constant for each individual coating line representing VOM); and K and K = the ratio of the volume of coating solids consumed on the liquid coating system which has been replaced to the volume of powder coating consumed on the replacement line to accomplish the same coating job. This value shall be determined by the source based on tests conducted and records maintained pursuant to the requirements of Section 218.213 of this Subpart demonstrating the amount of coating solids consumed as both liquid and powder. Test methods and recordkeeping requirements shall be approved by the Agency and USEPA and shall be contained in the source's operating permit as federally enforceable permit conditions, subject to the following restrictions:

i) K cannot exceed 0.9 for non-recycled powder coating systems; or

ii) K cannot exceed 2.0 for recycled powder coating systems. (Source: Amended at 34 Ill. Reg. _____, effective______)

Section 218.218 Work Practice Standards for Paper Coatings, Metal Furniture Coatings, and Large Appliance Coatings

a) On and after May 1, 2011, every owner or operator of a source subject to the requirements of Section 218.204(c) of this Subpart shall:

1) Store all VOM-containing cleaning materials in closed

containers;

2) Ensure that mixing and storage containers used for VOM-containing materials are kept closed at all times except when depositing or removing suchthose materials;

Minimize spills of VOM-containing cleaning materials;

4) Convey VOM-containing cleaning materials from one location to another in closed containers or pipes; and

5) Minimize VOM emissions from the cleaning of storage, mixing, and conveying equipment.
b) On and after May 1, 2011, every owner or operator of a source subject to the requirements of Section 218.204(g) or 218.204(h) of this Subpart shall:

1) Store all VOM-containing coatings, thinners, coating-related waste materials, cleaning materials, and used shop towels in closed containers;

2) Ensure that mixing and storage containers used for VOM-containing coatings, thinners, coating-related waste materials, and cleaning materials are kept closed at all times except when depositing or removing <u>suchthose</u> materials;

3) Minimize spills of VOM-containing coatings, thinners, coating-related waste materials, and cleaning materials, and clean up spills immediately;

4) Convey VOM-containing coatings, thinners, coating-related waste materials, and cleaning materials from one location to another in closed containers or pipes; and

5) Minimize VOM emissions from the cleaning of storage, mixing, and conveying equipment.

(Source: Added at 34 Ill. Reg. _____, effective_____)

JCAR350218-0916399r01

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Document comparison done by DeltaView on Friday, November 13, 2009 1:36:00 PM

Document 1	file://I:/Input/35-218-Agency(issue47).doc
Document 2	file://I:/Input/35-218-JCAR(R01)(issue47).doc
Rendering set	Standard

Legend:	
Insertion	
Deletion-	
Moved from	
Moved to	
Style change	
Format change	
Moved deletion	
Inserted cell	
Deleted cell	
Moved cell	
Split/Merged cell	
Padding cell	

Statistics:		
	Count	
Insertions	179	
Deletions	243	
Moved from	0	
Moved to	0	
Style change	0	
Format changed	0	
Total changes	422	

1ST NOTICE VERSION

1		TITLE 35: ENVIRONMENTAL PROTECTION						
2	SUBTITLE B: AIR POLLUTION							
3	CHAPTER I: POLLUTION CONTROL BOARD							
4		SUBCHAPTER c: EMISSIONS STANDARDS AND						
5		LIMITATIONS FOR STATIONARY SOURCES						
6								
7		PART 218						
8		ORGANIC MATERIAL EMISSION STANDARDS AND						
9		LIMITATIONS FOR THE CHICAGO AREA						
10								
11		SUBPART A: GENERAL PROVISIONS						
12								
13	Section							
14	218.100	Introduction						
15	218.101	Savings Clause						
16	218.102	Abbreviations and Conversion Factors						
17	218.103	Applicability						
18	218.104	Definitions						
19	218.105	Test Methods and Procedures						
20	218.106	Compliance Dates						
21	218.107	Operation of Afterburners						
22	218.108	Exemptions, Variations, and Alternative Means of Control or Compliance						
23		Determinations						
24	218.109	Vapor Pressure of Volatile Organic Liquids						
25	218.110	Vapor Pressure of Organic Material or Solvent						
26	218.111	Vapor Pressure of Volatile Organic Material						
27	218.112	Incorporations by Reference						
28	218.113	Monitoring for Negligibly-Reactive Compounds						
29	218.114	Compliance with Permit Conditions						
30		*						
31		SUBPART B: ORGANIC EMISSIONS FROM STORAGE						
32		AND LOADING OPERATIONS						
33								
34	Section							
35	218.119	Applicability for VOL						
36	218.120	Control Requirements for Storage Containers of VOL						
37	218.121	Storage Containers of VPL						
38	218.122	Loading Operations						
39	218.123	Petroleum Liquid Storage Tanks						
40	218.124	External Floating Roofs						
41	218.125	Compliance Dates						
42	218.126	Compliance Plan (Repealed)						
43	218.127	Testing VOL Operations						

		JCAR350218-0916399r01
11	210 120	Monitoring VOL Operations
44 15	218.128	Monitoring vOL Operations Record Learning and Reporting for VOL Operations
45 46	210.129	Record Reeping and Reporting for VOL Operations
47	SUBPA	ART C: ORGANIC EMISSIONS FROM MISCELLANEOUS FOUIPMENT
48	DODI	
49	Section	
50	218.141	Separation Operations
51	218.142	Pumps and Compressors
52	218.143	Vapor Blowdown
53	218.144	Safety Relief Valves
54		
55		SUBPART E: SOLVENT CLEANING
56		
57	Section	
58	218.181	Solvent Cleaning in General
59	218.182	Cold Cleaning
60	218.183	Open Top Vapor Degreasing
61	218.184	Conveyorized Degreasing
62	218.185	Compliance Schedule (Repealed)
63	218.186	Test Methods
64		
65		SUBPART F: COATING OPERATIONS
66		
67	Section	
68	218.204	Emission Limitations
69	218.205	Daily-Weighted Average Limitations
70	218.206	Solids Basis Calculation
71	218.207	Alternative Emission Limitations
72	218.208	Exemptions from Emission Limitations
73	218.209	Exemption from General Rule on Use of Organic Material
74	218.210	Compliance Schedule
75	218.211	Recordkeeping and Reporting
76	218.212	Cross-Line Averaging to Establish Compliance for Coating Lines
77	218.213	Recordkeeping and Reporting for Cross-Line Averaging Participating Coating
78		Lines
79	218.214	Changing Compliance Methods
80	218.215	Wood Furniture Coating Averaging Approach
81	218.216	Wood Furniture Coating Add-On Control Use
82	218.217	Wood Furniture Coating Work Practice Standards
83	<u>218.218</u>	Work Practice Standards for Paper Coatings, Metal Furniture Coatings, and Large
84		Appliance Coatings
85		
86		SUBPART G: USE OF ORGANIC MATERIAL

100

, · ·

87							
88	Section						
89	218.301	Use of Organic Material					
90	218.302	Alternative Standard					
91	218.303	Fuel Combustion Emission Units					
92	218.304	Operations with Compliance Program					
93							
94		SUBPART H: PRINTING AND PUBLISHING					
95							
96	Section						
97	218.401	Flexographic and Rotogravure Printing					
98	218.402	Applicability					
99	218.403	Compliance Schedule					
100	218.404	Recordkeeping and Reporting					
101	218.405	Lithographic Printing: Applicability					
102	218.406	Provisions Applying to Heatset Web Offset Lithographic Printing Prior to March					
103		15, 1996					
104	218.407	Emission Limitations and Control Requirements for Lithographic Printing Lines					
105		On and After March 15, 1996					
106	218.408	Compliance Schedule for Lithographic Printing On and After March 15, 1996					
107	218.409	Testing for Lithographic Printing On and After March 15, 1996					
108	218.410	Monitoring Requirements for Lithographic Printing					
109	218.411	Recordkeeping and Reporting for Lithographic Printing					
110							
111		SUBPART Q: SYNTHETIC ORGANIC CHEMICAL					
112		AND POLYMER MANUFACTURING PLANT					
113							
114	Section						
115	218.421	General Requirements					
116	218.422	Inspection Program Plan for Leaks					
117	218.423	Inspection Program for Leaks					
118	218.424	Repairing Leaks					
119	218.425	Recordkeeping for Leaks					
120	218.426	Report for Leaks					
121	218.427	Alternative Program for Leaks					
122	218.428	Open-Ended Valves					
123	218.429	Standards for Control Devices					
124	218.430	Compliance Date (Repealed)					
125	218.431	Applicability					
126	218.432	Control Requirements					
127	218.433	Performance and Testing Requirements					
128	218.434	Monitoring Requirements					
129	218.435	Recordkeeping and Reporting Requirements					

130	218.436	Compliance Date
131		
132		SUBPART R: PETROLEUM REFINING AND
133		RELATED INDUSTRIES; ASPHALT MATERIALS
134		
135	Section	
136	218.441	Petroleum Refinery Waste Gas Disposal
137	218.442	Vacuum Producing Systems
138	218.443	Wastewater (Oil/Water) Separator
139	218.444	Process Unit Turnarounds
140	218.445	Leaks: General Requirements
141	218.446	Monitoring Program Plan for Leaks
142	218.447	Monitoring Program for Leaks
143	218.448	Recordkeeping for Leaks
144	218.449	Reporting for Leaks
145	218.450	Alternative Program for Leaks
146	218.451	Sealing Device Requirements
147	218.452	Compliance Schedule for Leaks
148	218.453	Compliance Dates (Repealed)
149		
150		SUBPART S: RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS
151		
152	Section	
153	218.461	Manufacture of Pneumatic Rubber Tires
154	218.462	Green Tire Spraving Operations
155	218.463	Alternative Emission Reduction Systems
156	218.464	Emission Testing
157	218.465	Compliance Dates (Repealed)
158	218.466	Compliance Plan (Repealed)
159		
160		SUBPART T: PHARMACEUTICAL MANUFACTURING
161		
162	Section	
163	218.480	Applicability
164	218.481	Control of Reactors, Distillation Units, Crystallizers, Centrifuges and Vacuum
165		Dryers
166	218.482	Control of Air Dryers, Production Equipment Exhaust Systems and Filters
167	218.483	Material Storage and Transfer
168	218.484	In-Process Tanks
169	218.485	Leaks
170	218.486	Other Emission Units
171	218.487	Testing
172	218.488	Monitoring for Air Pollution Control Equipment

89 -

		JCAR350218-0916399r01
173	218.489	Recordkeeping for Air Pollution Control Equipment
174		
175	S	UBPART V: BATCH OPERATIONS AND AIR OXIDATION PROCESSES
176		
177	Section	
178	218.500	Applicability for Batch Operations
179	218.501	Control Requirements for Batch Operations
180	218.502	Determination of Uncontrolled Total Annual Mass Emissions and Average Flow
181		Rate Values for Batch Operations
182	218.503	Performance and Testing Requirements for Batch Operations
183	218.504	Monitoring Requirements for Batch Operations
184	218.505	Reporting and Recordkeeping for Batch Operations
185	218.506	Compliance Date
186	218.520	Emission Limitations for Air Oxidation Processes
187	218.521	Definitions (Repealed)
188	218.522	Savings Clause
189	218.523	Compliance
190	218.524	Determination of Applicability
191	218.525	Emission Limitations for Air Oxidation Processes
192	218.526	Testing and Monitoring
193	218.527	Compliance Date (Repealed)
194		
195		SUBPART W: AGRICULTURE
196		
197	Section	
198	218.541	Pesticide Exception
199		
200		SUBPART X: CONSTRUCTION
201	~ .	
202	Section	
203	218.561	Architectural Coatings
204	218.562	Paving Operations
205	218.563	Cutback Asphalt
206		
207		SUBPARTY: GASOLINE DISTRIBUTION
208	G (*)	
209	Section	Dulla Casa lina Dianta
210	218.381	Buik Gasoline Plants
211	218.382	Duik Gasoline Terminals
212	218.383	Gasoline Dispensing Operations – Storage Tank Filling Operations
213	218.384	Gasoline Delivery vessels
214 215	218.383	Gasoline Volatility Standards
213	218.380	Gasonne Dispensing Operations – Motor Venicle Fueling Operations

		JCAR350218-0916399r01
216		
217		SUBPART Z: DRY CLEANERS
218		
219	Section	
220	218 601	Perchloroethylene Dry Cleaners (Renealed)
221	218.602	Applicability (Repealed)
222	218.603	Leaks (Repealed)
223	218.604	Compliance Dates (Renealed)
223	218.605	Compliance Plan (Repealed)
225	218.606	Exception to Compliance Plan (Repealed)
226	218.607	Standards for Petroleum Solvent Dry Cleaners
220	218.608	Operating Practices for Petroleum Solvent Dry Cleaners
228	218.609	Program for Inspection and Renair of Leaks
229	218.610	Testing and Monitoring
230	218.611	Applicability for Petroleum Solvent Dry Cleaners
231	218.612	Compliance Dates (Renealed)
232	218.613	Compliance Plan (Repealed)
232	210.015	Compitation 1 tail (Repeated)
234		SUBPART AAO PAINT AND INK MANUFACTURING
235		
236	Section	
237	218 620	Applicability
238	218.620	Exemption for Waterbase Material and Heatset-Offset Ink
239	218.623	Permit Conditions (Renealed)
240	218.624	Open-Top Mills Tanks Vats or Vessels
241	218.625	Grinding Mills
241	218.626	Storage Tanks
242	218.628	Leaks
243	218.620	Clean Un
245	218.636	Compliance Schedule
246	218.637	Record keeping and Reporting
247	210.057	Teooranooping and reporting
248		SUBPART BB: POLYSTYRENE PLANTS
249		
250	Section	
251	218 640	Applicability
252	218.642	Emissions Limitation at Polystyrene Plants
253	218.644	Emissions Testing
252	210.044	Linisions rosing
255	SURP	ART CC: POLYESTER RESIN PRODUCT MANUFACTURING PROCESS
256		
257	Section	
258	218 660	Applicability
200	210.000	, the mount is

· ·

259218.666Control Requirements260218.667Compliance Schedule261218.668Testing	ts
260218.667Compliance Schedule261218.668Testing	ts
261 218.668 Testing	ts
	ts
262 218.670 Record keeping and Reporting for Exempt Emission Uni	ts
263 218 672 Record keeping and Reporting for Subject Emission Uni	
264	
265 SUBPART DD' AFROSOL CAN FILLING	
266	
267 Section	
268 218.680 Applicability	
269 218.686 Control Requirements	
270 218.688 Testing	
271 218.690 Record keeping and Reporting for Exempt Emission Uni	ts
272 218.692 Record keeping and Reporting for Subject Emission Univ	ts
273	.0
274 SUBPART FF: BAKERY OVENS (REPEALE	D)
275	2)
276 Section	
277 218.720 Applicability (Repealed)	
278 218.722 Control Requirements (Repealed)	
279 218.726 Testing (Repealed)	
280 218.727 Monitoring (Repealed)	
281 218.728 Record keeping and Reporting (Repealed)	
282 218.729 Compliance Date (Repealed)	
283 218.730 Certification (Repealed)	
284	
285 SUBPART GG: MARINE TERMINALS	
286	
287 Section	
288 218.760 Applicability	
289 218.762 Control Requirements	
290 218.764 Compliance Certification	
291 218.766 Leaks	
292 218.768 Testing and Monitoring	
293 218.770 Recordkeeping and Reporting	
294	
295 SUBPART HH: MOTOR VEHICLE REFINISH	ING
296	
297 Section	
298 218.780 Emission Limitations	
299 218.782 Alternative Control Requirements	
300 218.784 Equipment Specifications	
301 218.786 Surface Preparation Materials	

.

٠

JCAR350218-0916399r01

302	218.787	Work Practices
303	218.788	Testing
304	218.789	Monitoring and Recordkeeping for Control Devices
305	218.790	General Recordkeeping and Reporting (Repealed)
306	218.791	Compliance Date
307	218.792	Registration
308	218.875	Applicability of Subpart BB (Renumbered)
309	218.877	Emissions Limitation at Polystyrene Plants (Renumbered)
310	218.879	Compliance Date (Repealed)
311	218.881	Compliance Plan (Repealed)
312	218.883	Special Requirements for Compliance Plan (Repealed)
313	218.886	Emissions Testing (Renumbered)
314		
315		SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT
316		MANUFACTURING PROCESSES
317		
318	Section	
319	218.920	Applicability
320	218.923	Permit Conditions (Repealed)
321	218.926	Control Requirements
322	218.927	Compliance Schedule
323	218.928	Testing
324	218.929	Cementable and Dress or Performance Shoe Leather
325		
326		SUBPART QQ: MISCELLANEOUS FORMULATION
327		MANUFACTURING PROCESSES
328		
329	Section	
330	218.940	Applicability
331	218.943	Permit Conditions (Repealed)
332	218.946	Control Requirements
333	218.947	Compliance Schedule
334	218.948	Testing
335		
336		SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL
337		MANUFACTURING PROCESSES
338		
339	Section	
340	218.960	Applicability
341	218.963	Permit Conditions (Repealed)
342	218.966	Control Requirements
343	218.967	Compliance Schedule
344	218.968	Testing

2

.

			JCAR350218-0916399r01
345			
346			SUBPART TT: OTHER EMISSION UNITS
347			
348	Section		
349	218.980	Applica	ability
350	218.983	Permit	Conditions (Repealed)
351	218.986	Contro	l Requirements
352	218.987	Compli	ance Schedule
353	218.988	Testing	
354			
355		SU	BPART UU: RECORDKEEPING AND REPORTING
356			
357	Section		
358	218.990	Exemp	t Emission Units
359	218.991	Subject	Emission Units
360			
301	218.APPEN	IDIX A	List of Chemicals Defining Synthetic Organic Chemical and Polymer
262 262	219 ADDEN		Manufacturing VOM Moosurement Techniques for Conture Efficiency (Denseled)
364	210.AFFEN		Peference Methods and Procedures
365	218.ATTEN 218 APPEN		Coefficients for the Total Resource Effectiveness Index (TDE) Equation
366	218.APPEN	IDIX F	List of Affected Marine Terminals
367	218 APPEN	DIX G	TRE Index Measurements for SOCMI Reactors and Distillation Units
368	218 APPEN	IDIX H	Baseline VOM Content Limitations for Subnart F. Section 218 212
369	210112121		Cross-Line Averaging
370			
371	AUTHORI	TY: Imple	menting Section 10 and authorized by Sections 27, 28, and 28.5 of the
372	Environmental Protection Act [415 ILCS 5/10, 27, 28, and 28.5].		
373			
374	SOURCE:	Adopted at	t R91-7 at 15 Ill. Reg. 12231, effective August 16, 1991; amended in R91-
375	24 at 16 Ill.	Reg. 1356	4, effective August 24, 1992; amended in R91-28 and R91-30 at 16 Ill.
376	Reg. 13864,	effective .	August 24, 1992; amended in R93-9 at 17 Ill. Reg. 16636, effective
377	September 2	27, 1993; a	mended in R93-14 at 18 Ill. Reg. 1945, effective January 24, 1994;
378	amended in	R94-12 at	18 Ill. Reg. 14973, effective September 21, 1994; amended in R94-15 at
379	18 Ill. Reg.	16392, effe	ective October 25, 1994; amended in R94-16 at 18 Ill. Reg. 16950,
380	effective No	vember 15	5, 1994; amended in R94-21, R94-31 and R94-32 at 19 Ill. Reg. 6848,
381	effective Ma	ay 9, 1995;	amended in R94-33 at 19 III. Reg. 7359, effective May 22, 1995;
382	amended in	R96-13 at	20 III. Reg. 14428, effective October 17, 1996; amended in R97-24 at 21
383	III. Reg. 770	1000	e June 9, 1997; amended in R97-31 at 22 III. Reg. 3556, effective
384 285	$\frac{1}{2}$	1998; ame	nucu in Kyo-10 at 22 iii. Keg. 14282, effective July 16, 1998; amended in 7283 officiative April 8, 2002; amended in $D04, 12/20, 420, 11, D = 0.004$
383 286	KUZ-ZU at Z	/ III. Keg.	7203, effective April 8, 2003; amended in R04-12/20 at 30 III. Reg. 9684,
380	enective Ma	ay 15, 2000	b; amended in K00-21 at 31 III. Keg. /086, effective April 30, 2007;

÷ *

JCAR350218-0916399r	01
---------------------	----

387	amended in	R08-8 at 32 Ill. Reg. 14874, effective August 26, 2008; amended in R10-10 at 34 Ill.
388	Reg	_, effective
389		
390		SUBPART A: GENERAL PROVISIONS
391	Section 219	R 106 Compliance Dates
303	Section 210	s.100 Comphance Dates
394	3)	Except as otherwise provided in this Section or as otherwise provided in a specific
395	ч)	Subpart of this Part, compliance with the requirements of all rules is required by
396		July 1 1991 or September 1 1991 for all sources located in Cook DuPage
397		Kane Lake McHenry or Will Counties consistent with the appropriate
398		provisions of Section 218 103 of this Subpart
399		
400	b)	Except as otherwise provided in this Section or as otherwise provided in a specific
401	0)	Subpart of this Part, compliance with the requirements of this Part is required by
402		November 15, 1993, for all sources located in Aux Sable Township or Goose
403		Lake Townshin in Grundy County or in Oswego Townshin in Kendall County
404		Same remains in crancy county, or in comego remains in Remain County.
405	c)	All emission units which meet the applicability requirements of Sections
406	- /	218.402(a)(2), 218.611(b), 218.620(b), 218.660(a), 218.680(a), 218.920(b),
407		218.940(b), 218.960(b) or 218.980(b) of this Part, including emission units at
408		sources which are excluded from the applicability criteria of Sections
409		218.402(a)(1), 218.611(a), 218.620(a), 218.920(a), 218.940(a), 218.960(a), or
410		218.980(a) of this Part by virtue of permit conditions or other enforceable means
411		must comply with the requirements of Subparts H. Z. AA, CC, DD, PP, OO, RR
412		or TT of this Part, respectively, by March 15, 1995. Any owner or operator of an
413		emission unit which has already met the applicability requirements of Sections
414		218.402(a)(1), 218.611(a), 218.620(a), 218.920(a), 218.940(a), 218.960(a)
415		218.980(a) of this Part on or by the effective date of this subsection is required to
416		comply with all compliance dates or schedules found in Sections 218,106(a) or
417		218.106(b), as applicable.
418		
419	d)	Any owner or operator of a source with an emission unit subject to the
420	,	requirements of Section 218.204(m)(2) or (m)(3) of this Part shall comply with
421		those requirements by March 25, 1995.
422		
423	e)	Any owner or operator of a source subject to the requirements of Section
424	_	$\overline{218.204(c)(2), 218.204(g)(2), or 218.204(h)(2)}$ of this Part shall comply with the
425		applicable requirements in the applicable subsections, as well as all applicable
426		requirements in Sections 218.205 through 218.214 and 218.218, by May 1, 2011.
427		
428	(Sou	rce: Amended at 34 Ill. Reg, effective)
429		

130	SUDDADT E. COATINIC ODED ATIONS
430	SUBFART F. CUATING OPERATIONS
432 433	Section 218.204 Emission Limitations
434	Except as provided in Sections 218,205, 218,207, 218,208, 218,212, 218,215 and 218,216 of
435	this Subpart, no owner or operator of a coating line shall apply at any time any coating in which
436	the VOM content exceeds the following emission limitations for the specified coating. Except as
437	otherwise provided in Section 218.204(c), 218.204(g), 218.204(h), and Section 218.204(l).
438	compliance with the emission limitations marked with an asterisk in this Section is required on
439	and after March 15, 1996, and compliance with emission limitations not marked with an asterisk
440	is required until March 15, 1996. The following emission limitations are expressed in units of
441	VOM per volume of coating (minus water and any compounds which are specifically exempted
442	from the definition of VOM) as applied at each coating applicator, except where noted.
443	Compounds which are specifically exempted from the definition of VOM should be treated as
444	water for the purpose of calculating the "less water" part of the coating composition.
445	Compliance with this Subpart must be demonstrated through the applicable coating analysis test
446	methods and procedures specified in Section 218.105(a) of this Part and the recordkeeping and
447	reporting requirements specified in Section 218.211(c) of this Subpart except where noted.
448	(Note: The equation presented in Section 218.206 of this Part shall be used to calculate emission
449	limitations for determining compliance by add-on controls, credits for transfer efficiency,
450	emissions trades and cross-line averaging.) The emission limitations are as follows:

451

a)

3)

Autor	nobile or Light-Duty Truck Coating	kg/l	lb/gal	
1)	Prime coat	0.14 0.14 *	(1.2) (1.2)*	
2)	Primer surface coat	1.81 1.81*	(15.1) (15.1)*	

(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) 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.)

Topcoat kg/l lb/gal

1.81	(15.1)
1.81*	(15.1)*

(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) 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.)

	4)	4) Final repair coat		kg/l 0.58 0.58*	lb/gal (4.8) (4.8)*
b)	Can	Coating	5	kg/l	lb/gal
	1)	Shee	et 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)	Exte	rior basecoat and overvarnish	0.34 0.25*	(2.8) (2.1)*
	3)	Inter	ior 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)	Exte	rior 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 so	ealing compound coat	0.44 0.44*	(3.7) (3.7)*
Paper	Coating		kg/l 0.35	lb/gal (2.9)
<u>1)</u>	<u>Prior t</u>	<u>to May 1, 2011:</u>	<u>kg/l</u> 0.28	$\frac{1b/gal}{(2.3)}$
<u>2)</u>	<u>On an</u>	<u>d after May 1, 2011:</u>	kg VOM/kg (lb VOM/lb) solids applied	kg VOM/kg (lb VOM/lb) coatings applied
	<u>A)</u>	Pressure sensitive tape and label surface coatings	<u>0.20</u>	<u>(0.067)</u>
	<u>B)</u>	All other paper coatings	<u>0.40</u>	<u>(0.08)</u>

(Note: The paper coating limitation shall not apply to any owner or operator of any paper coating line on which flexographic or rotogravure printing is performed if the paper coating line complies with the emissions limitations in Section 218.401 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.)

d)	Coil Coating	kg/l 0.31 0.20*	lb/gal (2.6) (1.7)*
e)	Fabric Coating	0.35 0.28*	(2.9) (2.3)*
f)	Vinyl Coating	0.45 0.28*	(3.8) (2.3)*

g) Metal Furniture Coating

i.

.

c)

<u>1)</u>	Prior to May 1, 2011:					
	<u>A)</u>	Air dried	<u>kg/1</u> 0.34	<u>lb/gal</u> (2.8)		
	<u>B)</u>	Baked	<u>0.28</u>	(2.3)		
<u>2)</u>	<u>On a</u>	and after May 1, 2011:				
			<u>kg/l</u> (lb/gal)	<u>kg/l (lb/gal)</u> solids applied		
	<u>A)</u>	General, One-Component	<u>0.275</u> (2.3)	<u>0.40</u> (3.3)		
	<u>B)</u>	General, Multi-Component				
		i) <u>Air Dried</u>	<u>0.340</u> (2.8)	<u>0.55</u> (4.5)		
		<u>ii) Baked</u>	<u>0.275</u> (2.3)	$\frac{0.40}{(3.3)}$		
	<u>C)</u>	Extreme High Gloss				
		i) <u>Air Dried</u>	<u>0.340</u> (2.8)	<u>0.55</u> (4.5)		
		<u>ii)</u> Baked	<u>0.360</u> (3.0)	<u>0.61</u> (5.1)		
	<u>D)</u>	Extreme Performance				
		i) <u>Air Dried</u>	<u>0.420</u> (3.5)	<u>0.80</u> (6.7)		
		<u>ii)</u> Baked	<u>0.360</u> (3.0)	<u>0.61</u> (5.1)		
	<u>E)</u>	Heat Resistant				
		i) <u>Air Dried</u>	<u>0.420</u> (3.5)	<u>0.80</u> (6.7)		
		ii) Baked	<u>0.360</u> (3.0)	<u>0.61</u> (5.1)		

. .

	<u>F)</u>	Metallic	<u>0.420</u> (3.5)	<u>0.80</u> (6.7)
	<u>G)</u>	Pretreatment Coatings	<u>0.420</u> (3.5)	<u>0.80</u> (6.7)
	<u>H)</u>	Solar Absorbent		
		i) <u>Air Dried</u>	<u>0.420</u> (3.5)	<u>0.80</u> (6.7)
		ii) Baked	<u>0.360</u> (3.0)	<u>0.61</u> (5.1)
1)	Air dı	ied	0.36 0.34*	(3.0) (2.8)*
2)	Baked	ł	0.36 0.28*	(3.0) (2.3)*

.

(Note: On and after May 1, 2011, these limitations 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.)

<u>3)</u>	On and after May 1, 2011, an owner or operator of a coating line subject
	to the limitations in this subsection (g) shall apply all coatings using one
	or more of the following application methods:

- <u>A)</u> <u>Electrostatic spray;</u>
 - B) High volume low pressure (HVLP) spray;
 - <u>C)</u> Flow coating. For the purposes of this subsection (g), flow coating means a non-atomized technique of applying coating to a substrate with a fluid nozzle with no air supplied to the nozzle;
 - D) Roll coating;
- <u>E</u>) Dip coating, including electrodeposition. For purposes of this subsection (g), electrodeposition means a water-borne dip coating process in which opposite electrical charges are applied to the

474 475 476				substrate and the coating. The coating is attracted to the substrate due to the electrochemical potential difference that is created; or			
477 478 479 480			<u>F)</u>	<u>Ano</u> effi if su	other coating application method ciency equal to or better than that uch method is approved in writin	capable of ach t achieved by I g by the Agence	ieving a transfer IVLP spraying, 29.
-00	h)	Large	Applian	ice C	oating		
		<u>1)</u>	Prior to	o Ma	May 1, 2011:		
			<u>A)</u>	<u>Air</u>	Dried	<u>kg/1</u> 0.34	<u>16/gal</u> (2.8)
			<u>B)</u>	Bał	<u>ced</u>	<u>0.28</u>	<u>(2.3)</u>
		<u>2)</u>	<u>On and</u>	<u>l afte</u>	er May 1, 2011:	<u>kg/l</u> (lb/gal)	<u>kg/l (lb/gal)</u> solids
			<u>A)</u>	<u>Ger</u>	neral, One Component	<u>0.275</u> (2.3)	<u>0.40</u> (3.3)
			<u>B)</u>	Ger	neral, Multi-Component		
				<u>i)</u>	Air Dried	<u>0.340</u> (2.8)	<u>0.55</u> (4.5)
				<u>ii)</u>	Baked	<u>0.275</u> (2.3)	<u>0.40</u> (3.3)
			<u>C)</u>	<u>Ext</u>	reme High Gloss		
				<u>i)</u>	Air Dried	<u>0.340</u> (2.8)	<u>0.55</u> (4.5)
				<u>ii)</u>	Baked	<u>0.360</u> (3.0)	<u>0.61</u> (5.1)
			<u>D)</u>	<u>Ext</u>	reme Performance		
				<u>i)</u>	Air Dried	<u>0.420</u> (3.5)	<u>0.80</u> (6.7)
				<u>ii)</u>	<u>Baked</u>	<u>0.360</u> (3.0)	<u>0.61</u> (5.1)
			<u>E)</u>	Hea	at Resistant		
				<u>i)</u>	Air Dried	<u>0.420</u>	<u>0.80</u>

.

.

		<u>(3.5)</u>	<u>(6.7)</u>
	ii) Baked	<u>0.360</u> (3.0)	<u>0.61</u> (5.1)
<u>F)</u>	<u>Metallic</u>	<u>0.420</u> (3.5)	<u>0.80</u> (6.7)
<u>G)</u>	Pretreatment Coatings	<u>0.420</u> (3.5)	<u>0.80</u> (6.7)
<u>H)</u>	Solar Absorbent		
	i) <u>Air Dried</u>	<u>0.420</u> (3.5)	<u>0.80</u> (6.7)
	<u>ii)</u> <u>Baked</u>	<u>0.360</u> (3.0)	<u>0.61</u> (5.1)

. .

*

481			
482	BOA	RD NO	TE: These limitations The limitation shall not apply to the use of
483	quick	-drying	lacquers for repair of scratches and nicks that occur during
484	assem	ibly, pro	ovided that the volume of coating does not exceed 0.95 1 (1 quart) in
485	any o	ne rollin	g eight-hour period. On and after May 1, 2011, these limitations
486	shall	<u>also not</u>	apply to stencil coatings, safety-indicating coatings, solid-film
487	lubric	ants, ele	ectric-insulating and thermal-conducting coatings, touch-up and
488	<u>repair</u>	coating	s, or coating applications utilizing hand-held aerosol cans.)
489			
490	<u>3)</u>	<u>On an</u>	d after May 1, 2011, an owner or operator of a coating line subject
491		to the	limitations in this subsection (h) shall apply all coatings using one
492		or mo	re of the following application methods:
493			
494		<u>A)</u>	Electrostatic spray;
495			
496		<u>B)</u>	High volume low pressure (HVLP) spray;
497		_	
498		<u>C)</u>	Flow coating. For the purposes of this subsection (h), flow coating
499			means a non-atomized technique of applying coating to a substrate
500			with a fluid nozzle with no air supplied to the nozzle;
501		-	
502		<u>D)</u>	Roll coating;
503		-	
504		<u>E)</u>	Brush coating;
505			
506		<u>F)</u>	Dip coating, including electrodeposition. For purposes of this
507			subsection (h), electrodeposition means a water-borne dip coating

508 509 510				cal charges are a oating is attracted tial difference the	harges are applied to the g is attracted to the substrate ifference that is created; or		
511 512 513 514 515			<u>G)</u>	<u>Anc</u> effic if su	other coating application met ciency equal to or better than uch method is approved in wr	hod capable of ac that achieved by iting by the Age	chieving a transfer HVLP spraying, ncy.
515	i)	Ma	gnet Wir	re Coat	ing	kg/1 0.20 0.20*	lb/gal (1.7) (1.7)*
	j)	Mis	cellaneo	us Me	tal Parts and Products Coatin	g	
		1)	Clear	coating	5	0.52 0.52*	(4.3) (4.3)*
		2)	Extrem	ne peri	formance coating		
			A)	Air dri	ied	0.42 0.42*	(3.5) (3.5)*
			B)	Baked		0.42 0.40*	(3.5) (3.3)*
		3)	Steel p	oail and	d drum interior coating	0.52 0.52*	(4.3) (4.3)*
		4)	All oth	ner coa	tings		
			A)	Air	Dried	0.42 0.40*	(3.5) (3.3)*
			B)	Bal	ced	0.36 0.34*	(3.0) (2.8)*
		5)	Marin	e engir	ne coating		
			A)	Air	Dried	0.42 0.42*	(3.5) (3.5)*
			B)	Bal	ced		
				i)	Primer/Topcoat	0.42	(3.5)

				0.42*	(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)	Metall	ic Coating		
		A)	Air Dried	0.42 0.42*	(3.5) (3.5)*
		B)	Baked	0.36 0.36	(3.0) (3.0)*
516 517 518	7)	Defin	itions		
519 520		A)	For purposes of subsection 218.20 following terms are defined:	4(j)(5) of this \$	Section, the
521 522 523 524 525 526 527			i) "Corrosion resistant baseco subsection 218.204(j)(5)(B borne epoxy coating applie process to a metal surface p purpose of enhancing corro	at" means, for)(ii) of this Sec d via an electro prior to spray co psion resistance	purposes of etion, a water- odeposition oating, for the e.
528 529 530 531 532 533 534			 ii) "Electrodeposition process' subsection 218.204(j)(5) of coating process in which op applied to the substrate and attracted to the substrate du potential difference that is of 	' means, for pu this Section, a posite electric the coating. The to the electro created.	arposes of water-borne dip al charges are The coating is ochemical
535 536 537 538			 iii) "Marine engine coating" marine engine coating" marine 218.204(j)(5) of this Section protective, decorative or fur engine that is used to proper 	eans, for purpo n, any extreme nctional coatin el watercraft.	eses of subsection performance g applied to an
539 540 541 542 543		B)	For purposes of subsection 218.20 coating" means a coating which co metal particles, as applied.	4(j)(6) of this S ontains more th	Section, "metallic an ¼ lb/gal of

H

k)	Heav	y Off-Highway Vehicle Products Coating	kg/l	lb/gal
	1)	Extreme performance prime coat	0.42 0.42*	(3.5) (3.5)*
	2)	Extreme performance topcoat (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) All other coatings are subject to the emission limitations for miscellaneous metal parts and products coatings in subsection (j) above.

1) Wood Furniture Coating

1)

Limit	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)

(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.)

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), below:

				kg VOM/ kg solids	lb VOM/ lb solids	
	A)	Topcoa	at	0.8	(0.8)	
	B)	Sealers follow	s and topcoats with the ing 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 an aver	he provisions of Section 218.2 raging approach;	15 of this Subp	part for use of	
	D)	Achieve a reduction in emissions equivalent to the requirements subsection (1)(2)(A) or (B) of this Section, as calculated using Section 218.216 of this Subpart; or				
	E)	Use a ((1)(2)(4	combination of the methods sp A) through (D) of this Section.	ecified in subs	ections	
3)	Other	wood fu	rniture coating limitations on a	and after Marc	h 15, 1998:	
				kg/l	lb/gal	
	A)	Opaqu	e stain	0.56	(4.7)	
	B)	Non-to	pcoat pigmented coat	0.60	(5.0)	

.

.

			C)	Repa	air coat		0.67	(5.6)	
			D)	Sem	i-transparent stain		0.79	(6.6)	
5(2)			E)	Was	h coat		0.73	(6.1)	
563 564		4)	Other	wood	furniture coating require	ments of	and after	March 15 1998.	
565		.,	0 thier	noou	in the country require		i una uno	<i>inaron 13, 1990</i> .	
566			A)	No s	ource subject to the limit	tations of	f subsectio	n (l)(2) or (3) of	
567			ŗ	this S	Section and utilizing one	or more	wood furr	iture coating spray	/
568				boot	hs shall use strippable sp	ray boot	h coatings	containing more	
569				than	0.8 kg VOM/kg solids (0.8 lb V(OM/lb soli	ds), as applied.	
570									
571			B)	Any	source subject to the lim	itations	of subsecti	on (l)(2) or (3) of	
572				this S	Section shall comply wit	h the req	uirements	of Section 218.217	1
573				of th	is Subpart.				
574					.	••	C 1		
575			C)	Any	source subject to the lim	itations	of subsecti	on (1)(2)(A) or (B)	
5/6 577				of th	is Section and utilizing o	one or mo	ore continu	ous coaters shall,	
5//				Ior e	ach continuous coater, us	se an $1nn$	ial coating	which complies	
570 570				Will	the limitations of subsec	π as a h m	$\mathcal{L}(\mathbf{A})$ or (B	b) of this Section.	
5019				me	viscosity of the coating if	n each re	servoir sna	all always be	
500				gitai	voir The owner or oper	scosity ()1 the mina 1.	ii coating in the	
587				reser	von. The owner of oper	ator sha	1.		
583				i)	Monitor the viscosity	of the co	ating in th	e reservoir with a	
584				1)	viscosity meter or by t	testing th	e viscosity	of the initial	
585					coating and retesting t	he coati	in the re	servoir each time	
586					solvent is added:				
587									
588				ii)	Collect and record the	reservoi	r viscosity	and the amount	
589				,	and weight of VOM p	er weigh	t of solids	of coating and	
590					solvent each time coat	ting or so	olvent is ad	ded; and	
591						·			
592				iii)	Maintain these records	s at the s	ource for a	period of three	
593					years.				
594									
	m)	Existi Lines	ing Dies in Cool	el-Eleo k Cour	ctric Locomotive Coating ty	g	kg/l	lb/gal	
		1)	Extre	me per	formance prime coat		0.42	(3.5)	
							V.42	(3.31"	

2)	Extre	eme perf	ormance top-coat (air dried)	0.42 0.42*	(3.5) (3.5)*
3)	Final	repair c	oat (air dried)	0.42 0.42*	(3.5) (3.5)*
4)	High	-tempera	ature aluminum coating	0.72 0.72*	(6.0) (6.0)*
5)	All of	ther coat	tings	0.36 0.36*	(3.0) (3.0)*
Plastic	e Parts	kg/l	lb/gal		
1)	Interi	ors			
	A)	Baked			
		i)	Color coat	0.49*	(4.1)*
		ii)	Primer	0.46*	(3.8)*
	B)	Air Dr	ried		
		i)	Color coat	0.38*	(3.2)*
		ii)	Primer	0.42*	(3.5)*
2)	Exter	iors (fle	xible 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 Dr	ied		
		i)	Primer	0.66*	(5.5)*

595

n)

.

			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)	Speci	alty			
		A)	Vacuu texture	m metallizing basecoats, e base coats	0.66*	(5.5)*
		B)	Black coating and so	coatings, reflective argent gs, air bag cover coatings, ft coatings	0.71*	(5.9)*
		C)	Gloss topcoa	reducers, vacuum metallizing ts, and texture topcoats	0.77*	(6.4)*
		D)	Stencil ink pac coating	l coatings, adhesion primers, d coatings, electrostatic prep gs, and resist coatings	0.82*	(6.8)*
		E)	Headla	mp lens coatings	0.89*	(7.4)*
o)	Plastic	Parts (Coating:	Business Machine	kg/l	lb/gal
	1)	Prime	er		0.14*	(1.2)*
	2)	Color	coat (no	on-texture coat)	0.28*	(2.3)*
	3)	Color	coat (te	xture coat)	0.28*	(2.3)*
	4)	Electr freque shield	romagne ency inte ling coat	tic interference/radio erference (EMI/RFI) ings	0.48*	(4.0)*
	5)	Speci	alty Coa	tings		
		A)	Soft co	pat	0.52*	(4.3)*
		B)	Plating	; resist	0.71*	(5.9)*

596

.

		C)	Plating sensit	tizer	0.85*	(7.1)*
597						
598	(Sourc	e: Amended	at 34 Ill. Reg	, effective)	ł
599						
600	Section 218.2	05 Daily-We	ighted Average	e Limitations		
601						
602	No owner or o	perator of a c	oating line subj	ect to the limitation	ns of Section 2	218.204 of this
603	Subpart and co	omplying by r	neans of this Se	ction shall operate	the subject co	pating line unless the
604	owner or oper	ator has demo	nstrated compli	ance with subsection	on (a), (b), (c)	(d), (e), (f), (g), (h),
605	or (i), or (j) of	this Section (depending upor	the category of co	pating) throug	h the applicable
606	coating analys	is test method	ls and procedure	es specified in Sect	tion $218.105(a$	i) of this Part and the
607	recordkeeping	, and reporting	g requirements s	pecified in Section	1218.211(d) o	of this Subpart:
608	``	NT				
609	a)	No owner or	operator of a co	bating line subject i	to only one of	the limitations from
610		among Section	$\sin 218.204(a)(1$), (a)(4), (c), (d), (e	e), (1), or (1) <u>, c</u>	<u>or, prior to May I</u> ,
011		<u>2011, (C)</u> OI 1	nis Subpart sna	ii apply coatings of	n any such co	ating line, during any
01Z		to which the	any-weighted a	verage v OM conte	ent exceeds in	e emission limitation
614		to which the	coatings are sui	Ject.		
615	b)	No owner or	operator of a m	iscallanaous metal	narts and pro	ducts coating line
616	0)	subject to the	limitations of	Section 218 204(i)	of this Subna	rt shall apply coating
617		to miscellane	ous metal parts	or products on the	subject coati	ng line unless the
618		requirements	in subsection (b)(1) or (b)(2) of the	is Section are	mg mile unitess the
619		requirements	m subsection (no beetion are	/ 11100.
620		1) For e	ach coating line	which applies mu	ltiple coatings	all of which are
621		subie	ct to the same n	umerical emission	limitation wit	thin Section
622		218.2	04(i) during the	e same day (e.g., al	1 coatings use	d on the line are
623		subje	ct to 0.42 kg/l ((3.5 lbs/gal)), the	daily-weight	ed average VOM
624		conte	nt shall not exc	eed the coating VC	M content lin	nit corresponding to
625		the ca	ategory of coatin	ng used, or		1 0
626						
627		2) For e	ach coating line	which applies coa	tings subject t	to more than one
628		nume	rical emission l	imitation in Section	n 218.204(j) c	of this Subpart, during
629		the sa	me day, the ow	ner or operator sha	ull have a site-	specific proposal
630		appro	ved by the Age	ncy and approved l	by the USEPA	A as a SIP revision.
631		To re	ceive approval,	the requirements o	of USEPA's Er	missions Trading
632		Polic	y Statement (an	d related policy) 51	1 Fed. Reg. 43	814 (December 4,
633		1986)	, must be satisf	ied.		
634						
635	c)	No owner or	operator of a ca	in coating line subj	ect to the limi	itations of Section
636		218.204(b) o	f this Subpart sl	all operate the sub	ject coating li	ine using a coating
637		with a VOM	content in exce	ss of the limitation	s specified in	Section 218.204(b)
638		of this Subpa	rt unless all of t	he following requi	rements are m	net:

. .

An alternative daily emission limitation shall be determined for the can coating operation, i.e. for all of the can coating lines at the source, according to subsection (c)(2) of this Section. Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation.

$$E_d = \sum_{i=l}^n V_i C_i$$

where:

 E_d = Actual VOM emissions for the day in units of kg/day (lbs/day);

Subscript denoting a specific coating applied; i =

= Total number of coatings applied in the can coating operation, i.e. all can coating lines at the source; n

 V_i = Volume of each coating applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);

 C_i = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).

The alternative daily emission limitation (A_d) shall be determined for **t**he can coating operation, i.e. for all of the can coating lines at the source, on a daily basis as follows:

2)

$$A_d = \sum_{i=l}^n V_i L_i \left(\frac{D_i - C_i}{D_i - L_i} \right)$$

where:

The VOM emissions allowed for the day in units $\frown \mathbf{f}$ $A_d =$ kg/day (lbs/day);

642 643 644

639

640

641

1)

645 646

> 647 648

649

650

651

652 653 654

655

656

657

	in a subject to
	= Subscript denoting a specific coating applied,
	n = Total number of surface coatings applied in the can
	coating operation;
	C_i = The VOM content of each surface coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);
	D _i = The density of VOM in each coating applied. For the purposes of calculating A _d , the density is 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM);
	V_i = Volume of each surface coating applied for the day in units of 1 (gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);
	L _i = The VOM emission limitation for each surface coating applied as specified in Section 218.204(b) of this Subp art in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).
659 660 d) 661	No owner or operator of a heavy off-highway vehicle products coating line subject to the limitations of Section 218.204(k) of this Subpart shall apply coatings to heavy off-highway vehicle products on the subject coating line unless multiple subject in (d)(1) or (d)(2) of this Section are met.
662 663 664 665 666 667 668 669	 For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(k) of this Subpart, during the same day (e.g., all coatings use C on the line are subject to 0.42 kg/l (3.5 lbs/gal)), the daily-weighted aver age VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or
670 671 672 673 674 675 676 676 677 678 670	2) For each coating line which applies coatings subject to more than on numerical emission limitation in Section 218.204(k) of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.

No owner or operator of a wood furniture coating line subject to the limitations of Section 218.204(1)(1) or (1)(3) of this Subpart shall apply coatings to wood e) 680 furniture on the subject coating line unless the requirements of subsection (e)(1) 681 or subsection (e)(2) of this Section, in addition to the requirements specified in the 682 683 note to Section 218.204(1)(1) of this Subpart, are met. 684 For each coating line which applies multiple coatings, all of which are 685 1) subject to the same numerical emission limitation within Section 686 218.204(1)(1) or (1)(3) of this Subpart, during the same day (e.g., all 687 coatings used on the line are subject to 0.67 kg/l (5.6 lbs/gal)), the daily-688 weighted average VOM content shall not exceed the coating VOM content 689 limit corresponding to the category of coating used, or 690 691 For each coating line which applies coatings subject to more than one 692 numerical emission limitation in Section 218.204(l)(1) or (l)(3) of this 2) 693 Subpart, during the same day, the owner or operator shall have a site 694 specific proposal approved by the Agency and approved by the USEPA as 695 a SIP revision. To receive approval, the requirements of USEPA's 696 Emissions Trading Policy Statement (and related policy) 51 Fed. Reg. 697 698 43814 (December 4, 1986), must be satisfied. 699 No owner or operator of an existing diesel-electric locomotive coating line in 700 Cook County, subject to the limitations of Section 218.204(m) of this Subpart **f**) 701 shall apply coatings to diesel-electric locomotives on the subject coating line 702 unless the requirements of subsection (f)(1) or (f)(2) of this Section are met. 703 704 For each coating line which applies multiple coatings, all of which are 705 1) subject to the same numerical emission limitation within Section 706 218.204(m) of this Subpart, during the same day (e.g., all coatings used on 707 the line are subject to 0.42 kg/l (3.5 lbs/gal)), the daily-weighted average 708 VOM content shall not exceed the coating VOM content limit 709 710 corresponding to the category of coating used, or 711 For each coating line which applies coatings subject to more than one 712 numerical emission limitation in Section 218.204(m) of this Subpart, 2) 713 during the same day, the owner or operator shall have a site specific 714 proposal approved by the Agency and approved by the USEPA as a SIP 715 revision. To receive approval, the requirements of USEPA's Emissions 716 Trading Policy Statement (and related policy) must be satisfied. 717 718 No owner or operator of a plastic parts coating line, subject to the limitations of 719 Section 218.204(n) or (o) of this Subpart shall apply coatings to business machine g) 720 or automotive/transportation plastic parts on the subject coating line unless the 721 722

766			corresponding to the category of coating used, or
767			The section first which could be sections with a state of the section of the sect
/08		2)	For each coating line which applies coatings subject to more than one
709			during the same day, the symper or exercise shall have a site excession
770			during the same day, the owner of operator shall have a site specific
//1			proposal approved by the Agency and approved by the USEPA as a SIP
112			revision. To receive approval, the requirements of USEPA's Emissions
113			Trading Policy Statement (and related policy) must be satisfied.
//4	•	0	
113	11	Un and	i after May 1, 2011, no owner or operator of a paper coating line subject to
776		the lim	litations of Section 218.204(c) of this Subpart shall apply coatings on the
777		subject	t coating line unless the requirements in subsection $(j)(1)$ or $(j)(2)$ of this
778		Section	n are met:
779		1	
/80		<u>1)</u>	For each coating line that applies multiple coatings, all of which are
781			subject to the same numerical emission limitation within Section
782			218.204(c) during the same day (e.g., all coatings used on the line are
783			subject to 0.40 kg/kg solids (0.08 kg/kg coatings)), the daily-weighted
784			average VOM content shall not exceed the coating VOM content limit
785			corresponding to the category of coating used; or
786		•	
787		<u>2)</u>	For each coating line that applies coatings subject to more than one
788			numerical emission limitation in Section 218.204(c) during the same day,
789			the owner or operator shall have a site-specific proposal approved by the
790			Agency and approved by USEPA as a SIP revision. To receive approval,
791			the requirements of USEPA's Emissions Trading Policy Statement (and
792			related policy), 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.
793	(6		
794	(Sourc	e: Ame	ended at 34 III. Reg, effective)
795			
796	Section 218.2	07 Alte	ernative Emission Limitations
797	``		
798	a)	Any ov	vner or operator of a coating line subject to Section 218.204 of this Subpart
/99		may co	Simply with this Section, rather than with Section 218.204 of this Subpart, if
800		a captu	re system and control device are operated at all times the coating line is in
801		operati	on and the owner or operator demonstrates compliance with subsections (2)
802		(c), (d)	, (e), (1), (g), (n), (1), (j), $\frac{\partial r}{\partial r}$ (k), or (1) of this Section (depending upon the
803		source	category) through the applicable coating analysis and capture system and
804		control	device efficiency test methods and procedures specified in Section
805		218.10	5 of this Part and the recordkeeping and reporting requirements specified in
806		Section	1218.211(e) of this Subpart; and the control device is equipped with the
807		applica	ble monitoring equipment specified in Section 218.105(d) of this Part and
808		the mo	nitoring equipment is installed, calibrated, operated and maintained

r,

809		according to	vendor specifications at all times the control device is in use. A
810		capture syste	m and control device, which does not demonstrate compliance with
811		subsection (c	c), (d), (e), (f), (g), (h), (i), (i), or (k), or (l) of this Section may be
812		used as an al	ternative to compliance with Section 218.204 of this Subpart only if
813		the alternativ	re is approved by the Agency and approved by the USEPA as a SIP
814		revision.	
815			
816	b)	Alternative A	Add-On Control Methodologies
817	•)		
818		1) The c	coating line is equipped with a capture system and control device that
819		provi	des 81 percent reduction in the overall emissions of VOM from the
820		coatir	are by provinci reduction in the overall emissions of voluminom the
821		coutin	ig fine and the control device has a 90 percent efficiency, of
822		2) The s	vstem used to control VOM from the coating line is demonstrated to
823		2) Inc s	an overall efficiency sufficient to limit VOM emissions to no more
824		than s	what is allowed under Section 218 204 of this Subpart Use of any
825		contr	al system other than an afterburner, carbon adsorption, condensation
826		or abo	sorntion scrubber system can be allowed only if approved by the
820			cy and approved by the LISEDA as a SID revision. The use of transfer
021		Agen	cy and approved by the OSEFA as a SIF revision. The use of transfer
020 920		emer	and by the USEDA as a SID revision. Descling transfer officiencies
029 920		appio	we by the USEPA as a SIP revision. Baseline transfer efficiencies
83U 821			SED A Such example officiency is to be determined on fallower
821		the U	SEPA. Such overall efficiency is to be determined as follows:
832		• >	
833		A)	Obtain the emission limitation from the appropriate subsection in
834			Section 218.204 of this Subpart;
835		D)	
836		В)	Calculate "S" according to the equation in Section 218.206 of this
837			Subpart;
838			
839		C)	Calculate the overall efficiency required according to Section
840			218.105(e) of this Part. For the purposes of calculating this value,
841			according to the equation in Section 218.105(e)(2) of this Part,
842			VOM_1 is equal to the value of "S" as determined above in
843			subsection (b)(2)(B) of this Section.
844	940 /		
845	c)	No owner or	operator of a coating line subject to only one of the emission
846		limitations fr	om among Section 218.204(a)(1), (a)(4), (c), (d), (e), (f), or (i), <u>or</u> ,
847		prior to May	1, 2011, (c) of this Subpart and equipped with a capture system and
848		control devic	e shall operate the subject coating line unless the requirements in
849		subsection (b	(1) or $(b)(2)$ of this Section are met. No owner or operator of a
850		coating line s	subject to Section 218.204(a)(2) or 218.204(a)(3) and equipped with
851		a capture syst	tem and control device shall operate the coating line unless the

.

852 853 854		owner or operator demonstrates compliance with such limitation in accordance with the topcoat protocol referenced in Section 218.105(b).
855	d)	No owner or operator of a miscellaneous metal parts and products coating line
856	uj	that which applies one or more coatings during the same day all of which are
857		subject to the same numerical emission limitation within Section 218 204(i) of
858		this Subpart (e.g., all coatings used on the line are subject to 0.42 kg/l [3.5]
859		lbs/gall and that which is equipped with a capture system and control device shall
860		operate the subject coating line unless the requirements in subjection $(h)(1)$ or
861		(b)(2) of this Section are met
862		
863	e)	No owner or operator of a heavy off-highway vehicle products coating line
864	0)	that which applies one or more coatings during the same day all of which are
865		subject to the same numerical emission limitation within Section 218 $204(k)$ of
866		this Subpart (e.g., all coatings used on the line are subject to 0.42 kg/1 [3.5]
867		lbs/gall), and that which is equipped with a capture system and control device
868		shall operate the subject coating line unless the requirements in subsection (b)(1)
869		or (b)(2) of this Section are met.
870		
871	Ð	No owner or operator of an existing diesel-electric locomotive coating line in
872	,	Cook County that which applies one or more coatings during the same day, all of
873		which are subject to the same numerical emission limitation within Section
874		218.204(m) of this Subpart (e.g., all coatings used on the line are subject to 0.42
875		kg/1 [3.5 lbs/gal]), and that which is equipped with a capture system and control
876		device shall operate the subject coating line unless the requirements in subsection
877		(b)(1) or (b)(2) of this Section are met.
878		
879	g)	No owner or operator of a wood furniture coating line that which applies one or
880	0,	more coatings during the same day, all of which are subject to the same numerical
881		emission limitation within Section 218.204(1) of this Subpart (e.g., all coatings
882		used on the line are subject to 0.67 kg/l [5.6 lbs/gal]), and that which is equipped
883		with a capture system and control device shall operate the subject coating line
884		unless the requirements in subsection (b)(1) or (b)(2) of this Section are met. If
885		compliance is achieved by meeting the requirements in subsection (b)(2) of this
886		Section, then the provisions in the note to Section 218.204(l) of this Subpart must
887		also be met.
888		
889	h)	No owner or operator of a can coating line <u>thatwhich</u> is equipped with a capture
890		system and control device shall operate the subject coating line unless the
891		requirements in subsection $(h)(1)$ or $(h)(2)$ of this Section are met.
892		
893		1) An alternative daily emission limitation shall be determined for the can
894		coating operation, i.e. for all of the can coating lines at the source,

895 896 897 898		according to Section 218.205(c)(2) of this Subpart. Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation:
899		$E_d = \sum_{i=l}^n V_i C_i (l - F_i)$
900 901 902		where:
		E_d = Actual VOM emissions for the day in units of kg/day (lbs/day);
		i = Subscript denoting the specific coating applied;
		n = Total number of surface coatings as applied in the can coating operation;
		 V_i = Volume of each coating as applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);
		C _i = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM) and
002		F_i = Fraction, by weight, of VOM emissions from the surface coating, reduced or prevented from being emitted to the ambient air. This is the overall efficiency of the capture system and control device.
903 904 905 906 907		2) The coating line is equipped with a capture system and control device that provide 75 percent reduction in the overall emissions of VOM from the coating line and the control device has a 90 percent efficiency.
908 909 910 911 912 913 914 915	i)	No owner or operator of a plastic parts coating line, that which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(n) or (o) of this Subpart (e.g., all coatings used on the line are subject to 0.42 kg/l [$[3.5 \text{ lbs/gal}]$], and that which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met.

916 917 918 919 920	j)	<u>Prior to May 1, 2011, no No</u> owner or operator of a metal furniture coating line <u>thatwhich</u> applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(g) of this Subpart (e.g., all coatings used on the line are subject to 0.34 kg/l ([2.8 lbs/gal)]), and <u>thatwhich</u> is equipped with a capture system and control device
921 922		shall operate the subject coating line unless the requirements in subsection $(b)(1)$ or $(b)(2)$ of this Section are met.
923		
924	k)	Prior to May 1, 2011, noNo owner or operator of a large appliance coating line
925		thatwhich applies one or more coatings during the same day, all of which are
926		subject to the same numerical emission limitation within Section 218.204(h) of
927		this Subpart (e.g., all coatings used on the line are subject to 0.34 kg/l ([2.8
928		lbs/gal)]), and thatwhich is equipped with a capture system and control device
929		shall operate the subject coating line unless the requirements in subsection $(b)(1)$
930		or (b)(2) of this Section are met.
931		
932	<u>1)</u>	On and after May 1, 2011, no owner or operator of a paper coating line, metal
933		furniture coating line, or large appliance coating line that is equipped with a
934		capture system and control device shall operate the subject coating line unless
935		either:
936		
937		1) The capture system and control device provide at least 90 percent
938		reduction in the overall emissions of VOM from the coating line; or
939		
940		2) The owner or operator complies with the applicable limitation set forth in
941		Section 218.204 of this Subpart by utilizing a combination of low-VOM
942		coatings and a capture system and control device.
943		
944	(Sourc	e: Amended at 34 Ill. Reg, effective)
945		
946	Section 218.2	10 Compliance Schedule
947		
948	Every owner of	or operator of a coating line (of a type included within Section 218.204 of this
949	Subpart) shall	comply with the requirements of Section 218.204, 218.205, 218.207 or 218.208
950	and Section 2	18.211 or Sections 218.212 and 218.213 of this Subpart in accordance with the
951	appropriate co	ompliance schedule as specified in subsection (a), (b), (c), (d), (e), -or (f), or (g) of
952	this Sectionbe	low :
953		s * **
954	a)	No owner or operator of a coating line that which is exempt from the limitations of
955	-	Section 218.204 of this Subpart because of the criteria in Section 218.208(a) or
956		(b) of this Subpart shall operate said coating line on or after a date consistent with
957		Section 218.106 of this Part, unless the owner or operator has complied with, and
958		continues to comply with, Section 218.211(b) of this Subpart.

959		
960	b)	No owner or operator of a coating line complying by means of Section 218,204 of
961	-)	this Subpart shall operate said coating line on or after a date consistent with
962		Section 218,106 of this Part, unless the owner or operator has complied with, and
963		continues to comply with. Sections 218,204 and 218,211(c) of this Subpart
964		
965	c)	No owner or operator of a coating line complying by means of Section 218 205 of
966	•)	this Subpart shall operate said coating line on or after a date consistent with
967		Section 218 106 of this Part unless the owner or operator has complied with and
968		continues to comply with Sections 218 205 and 218 211(d) of this Subnart
969		
970	(þ	No owner or operator of a coating line complying by means of Section 218 207 of
971	u)	this Subnart shall operate said coating line on or after a date consistent with
972		Section 218 106 of this Part unless the owner or operator has complied with and
973		continues to comply with Sections 218 207 and 218 211(e) of this Subnart
974		
975	e)	No owner or operator of a coating line subject to one or more of the emission
976	•)	limitations contained in Section 218.204 of this Subpart on or after March 15
977		1996, choosing to comply by means of Section 218 204, 218 205 or 218 207 of
978		this Subpart, shall operate said coating line on or after March 15, 1996, unless the
979		owner or operator complies with and continues to comply with respectively the
980		applicable requirements in Section 218,204, or the alternative control options in
981		Section 218 205 or 218 207 and the requirements of Section 218 211
982		
983	Ð	No owner or operator of a coating line subject to one or more of the emission
984	-)	limitations contained in Section 218.204 of this Subpart on or after March 15
985		1996, choosing to comply by means of Section 218.212 of this Subpart, shall
986		operate said coating line on or after March 15, 1996, unless the owner or operator
987		complies with and continues to comply with the requirements of Sections 218,212
988		and 218.213 of this Subpart.
989		
990	g)	No owner or operator of a coating line subject to the emission limitations in
991		Section 218.204(c)(2), 218.204(g)(2), or 218.204(h)(2) of this Subpart shall
992		operate that coating line on or after a date consistent with Section 218.106(e) of
993		this Part, unless the owner or operator has complied with, and continues to
994		comply with, Section $218.204(c)(2)$, $218.204(g)(2)$, or $218.204(h)(2)$, as
995		applicable, or the alternative control options in Section 218,205 or 218,207, and
996		all applicable requirements in Sections 218.211 and 218.218 of this Subpart.
997		
998	(Sourc	e: Amended at 34 Ill. Reg., effective
999		
1000	Section 218.2	11 Recordkeeping and Reporting
1001		

.
- 1002a)The VOM content of each coating and the efficiency of each capture system and1003control device shall be determined by the applicable test methods and procedures1004specified in Section 218.105 of this Part to establish the records required under1005this Section.
 - b) Any owner or operator of a coating line <u>thatwhich</u> is exempted from the limitations of Section 218.204 of this Subpart because of Section 218.208(a) or (b) of this Subpart shall comply with the following:
 - For sources exempt under Section 218.208(a) of this Subpart, by a date consistent with Section 218.106 of this Part, the owner or operator of a coating line or a group of coating lines referenced in subsection (b) of this Section shall certify to the Agency that the coating line or group of coating lines is exempt under the provisions of Section 218.208(a) of this Subpart. Such certification shall include:
 - A) A declaration that the coating line or group of coating lines is exempt from the limitations of Section 218.204 of this Subpart because of Section 218.208(a) of this Subpart; and
 - B) Calculations <u>that which</u> demonstrate that the combined VOM emissions from the coating lines or group of coating lines never exceed 6.8 kg (15 lbs) per day before the application of capture systems and control devices. The following equation shall be used to calculate total VOM emissions:

$$T_e = \sum_{j=1}^m \sum_{i=1}^n \left(A_i B_i \right)_j$$

where:

- T_e = Total VOM emissions from coating lines each day before the application of capture systems and control devices in units of kg/day (lbs/day);
- m = Number of coating lines at the source that otherwise would be subject to the same subsection of Section 218.104 of this Part (because they belong to the same category, e.g., can coating);
- j = Subscript denoting an individual coating line;

1029 1030

1031

n	=	Number of different coatings as applied each day on each
		coating line;

- i = Subscript denoting an individual coating;
- A_i = Weight of VOM per volume of each coating (minus water and any compounds <u>thatwhich</u> are specifically exempted from the definition of VOM) as applied each day on each coating line in units of kg VOM/l (lbs VOM/gal); and
- B_i = Volume of each coating (minus water and any compounds <u>thatwhich</u> are specifically exempted from the definition of VOM) as applied each day on each coating line in units of l/day (gal/day). The instrument or method by which the owner or operator accurately measured or calculated the volume of each coating as applied on each coating line each day shall be described in the certification to the Agency.
- 2) For sources exempt under Section 218.208(b) of this Subpart, by March 15, 1998, or upon initial start-up, the owner or operator of a coating line or a group of coating lines referenced in subsection (b) of this Section shall certify to the Agency that the source is exempt under the provisions of Section 218.208(b) of this Subpart. Such certification shall include:

1032 1033

1034

1035

1036 1037

1038 1039

1040

1041 1042 1043

1044

1045 1046

1047

1048

1049

1050

1051 1052 1053

1054 1055 1056

1057

- A) A declaration that the source is exempt from the limitations of Section 218.204(1) of this Subpart because of Section 218.208(b) of this Subpart; and
- B) Calculations which demonstrate that the source meets the criteria for exemption because of Section 218.208(b) of this Subpart.
- 3) For sources exempt under Section 218.208(a) of this Subpart, on and after a date consistent with Section 218.106 of this Part, the owner or operator of a coating line or group of coating lines referenced in this subsection shall collect and record all of the following information each day for each coating line and maintain the information at the source for a period of three years:
 - A) The name and identification number of each coating as applied on each coating line; and
 - B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted

JCAR350218-0916399r01

1058 1059			from the definition of VOM) as applied each day on each coating line.
1060			
1061		4)	For sources exempt under Section 218.208(b) of this Subpart, on and after
1062			March 15, 1998, the owner or operator of a coating line or group of
1063			coating lines referenced in this subsection (b) shall collect and record all
1064			of the following information for each coating line and maintain the
1065			information at the source for a period of three years:
1066			
1067			A) The name and identification number of each coating as applied on
1068			each coating line; and
1069			
1070			B) The weight of VOM per volume and the volume of each coating
1071			(minus water and any compounds which are specifically exempted
1072			from the definition of VOM) as applied on each coating line on a
1073			monthly basis.
1074			
1075		5)	On and after a date consistent with Section 218.106 of this Part, the owner
1076			or operator of a coating line or group of coating lines exempted from the
1077			limitations of Section 218.204 of this Subpart because of Section
1078			218.208(a) of this Subpart shall notify the Agency of any record showing
1079			that total VOM emissions from the coating line or group of coating lines
1080			exceed 6.8 kg (15 lbs) in any day before the application of capture systems
1081			and control devices by sending a copy of such record to the Agency within
1082			30 days after the exceedance occurs.
1083			
1084		6)	On and after March 15, 1998, any owner or operator of a source exempt
1085		,	from the limitations of Section 218.204(1) of this Subpart because of
1086			Section 218.208(b) of this Subpart shall notify the Agency if the source's
1087			VOM emissions exceed the limitations of Section 218.208(b) of this
1088			Subpart by sending a copy of calculations showing such an exceedance
1089			within 30 days after the change occurs.
1090			, .
1091	c)	Any	owner or operator of a coating line subject to the limitations of Section
1092	,	218.2	204 of this Subpart other than Section 218.204(a)(2) or (a)(3) of this Subpart
1093		and c	complying by means of Section 218.204 of this Subpart shall comply with the
1094		follov	wing:
1095			e e
1096		1)	By a date consistent with Section 218.106 of this Part. or upon initial start-
1097		/	up of a new coating line, or upon changing the method of compliance from
1098			an existing subject coating line from Section 218.205. Section 218.207.
1099			Section 218.215, or Section 218.216 of this Subpart to Section 218.204 of
1100			this Subpart; the owner or operator of a subject coating line shall certify to

1101 1102 1103 1104		the Agency that the coating line will be in compliance with Section 218.204 of this Subpart on and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date. <u>The Such</u> certification shall include:				
1105 1106 1107 1108		A)	The name and identification number of each coating as applied on each coating line;			
1109 1110 1111		B)	The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line; and			
1112 1113 1114 1115 1116		C)	On and after March 15, 1998, for coating lines subject to the limitations of Section 218.204(l)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line; $\frac{1}{27}$			
1117 1118 1119 1120 1121		<u>D)</u>	For coating lines subject to the limitations of Section 218.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line; and			
1122 1123 1124 1125 1126 1127 1128		<u>E)</u>	For coating lines subject to the limitations of Section $218.204(g)(2)$ or $218.204(h)(2)$ of this Subpart, the application methods used to apply coatings on the subject coating line and the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applicable) as applied each day on each coating line.			
1129 1130 1131 1132 1133 1134 1135	2)	On and after th line sha each co three y	after a date consistent with Section 218.106 of this Part, or on and the initial start-up date, the owner or operator of a subject coating all collect and record all of the following information each day for poating line and maintain the information at the source for a period of rears:			
1135 1136 1137 1138		A)	The name and identification number of each coating as applied on each coating line;			
1130 1139 1140 1141 1142		B)	The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line;			
1143		C)	On and after March 15, 1998, for coating lines subject to the			

JCAR350218-0916399r01

1144 1145 1146 1147				limitations of Section 218.204(l)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line and certified product data sheets for each coating; and
1148 1149 1150 1151		Ι	D)	On and after March 15, 1998, for wood furniture coating spray booths subject to the limitations of Section 218.204(l)(4)(A) of this Subpart the weight of VOM per weight of solids in each strippable
1152 1153 1154				spray booth coating as applied each day on each spray booth and certified product data sheets for each coating;-
1155 1156 1157 1158 1159 1160		Ē	<u>3)</u>	For coating lines subject to the limitations of Section 218.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line, and certified product data sheets for each coating; and
1160 1161 1162 1163 1164 1165		<u>म</u>	E)	For coating lines subject to the limitations of Section 218.204(g)(2) or 218.204(h)(2) of this Subpart, the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applicable) as applied each day on each coating line, and certified product data sheets for each coating.
1166 1167 1168 1169 1170		3) C o f	On and or opera ollowin	after a date consistent with Section 218.106 of this Part, the owner ator of a subject coating line shall notify the Agency in the ng instances:
1170 1171 1172 1173 1174		A	A) .	Any record showing violation of Section 218.204 of this Subpart shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
1175 1176 1177 1178		B	3) .	At least 30 calendar days before changing the method of compliance from Section 218.204 of this Subpart to Section 218.205 or Section 218.207 of this Subpart, the owner or operator shall comply with all requirements of subsection (d)(1) or (e)(1) of
1179 1180 1181 1182 1183			1	this Section below, respectively. Upon changing the method of compliance from Section 218.204 of this Subpart to Section 218.205 of this Subpart or Section 218.207 of this Subpart, the owner or operator shall comply with all requirements of subsection (d) or (e) of this Section respectively.
1184 1185 1186	d)	Any owr 218.204	ner or c of this	operator of a coating line subject to the limitations of Section Subpart and complying by means of Section 218.205 of this

1187	Subpart shall comply with the following:					
1188						
1189	1)	By a d	late consistent with Section 218.106 of this Part, or upon initial start-			
1190		upofa	a new coating line, or upon changing the method of compliance for			
1191		an exi	sting subject coating line from Section 218.204 or Section 218.207			
1192		of this	Subpart to Section 218.205 of this Subpart: the owner or operator			
1193		of the	subject coating line shall certify to the Agency that the coating line			
1194		will be	e in compliance with Section 218 205 of this Subpart on and after a			
1195		date c	onsistent with Section 218 106 of this Part or on and after the initial			
1196		start-u	n date. The Such certification shall include:			
1197						
1198		A)	The name and identification number of each coating line which			
1199)	will comply by means of Section 218 205 of this Subpart			
1200			win comply by means of boolion 210.205 of and bubpait.			
1201		B)	The name and identification number of each coating as applied on			
1202		_,	each coating line.			
1203						
1204		C)	The weight of VOM per volume and the volume of each coating			
1205		-)	(minus water and any compounds which are specifically exempted			
1206			from the definition of VOM) as applied each day on each coating			
1207			line.			
1208						
1209		D)	On and after March 15, 1998, for coating lines subject to the			
1210		,	limitations of Section 218.204(1)(2)(A) or (B) of this Subpart the			
1211			weight of VOM per weight of solids in each coating as applied			
1212			each day on each coating line.			
1213						
1214		E)	For coating lines subject to the limitations of Section $218.204(c)(2)$			
1215			of this Subpart, the weight of VOM per weight of solids (or the			
1216			weight of VOM per weight of coatings, as applicable) in each			
1217			coating as applied each day on each coating line.			
1218						
1219		F)	For coating lines subject to the limitations of Section $218.204(g)(2)$			
1220			or 218.204(h)(2) of this Subpart, the weight of VOM per volume			
1221			of each coating (or the weight of VOM per volume of solids in			
1222			each coating, as applicable) as applied each day on each coating			
1223			line.			
1224						
1225		<u>G</u> E)	The instrument or method by which the owner or operator will			
1226		_ /	accurately measure or calculate the volume of each coating as			
1227			applied each day on each coating line.			
1228						
1229		<u>H</u> F)	The method by which the owner or operator will create and			
		/				

, .

JCAR350218-0916399r01

1230 1231 1232			maintain records each day as required in subsection (d)(2) of this Section.
1232 1233 1234		<u>I</u> G)	An example of the format in which the records required in subsection (d)(2) of this Section will be kept.
1235			
1236	2)	On an	d after a date consistent with Section 218.106 of this Part, or on and
1237		after tl	he initial start-up date, the owner or operator of a subject coating
1238		line sh	all collect and record all of the following information each day for
1239		each c	oating line and maintain the information at the source for a period of
1240		three y	/ears:
1241		-	
1242		A)	The name and identification number of each coating as applied on
1243		,	each coating line.
1244			C .
1245		B)	The weight of VOM per volume and the volume of each coating
1246		,	(minus water and any compounds which are specifically exempted
1247			from the definition of VOM) as applied each day on each coating
1248			line.
1249			
1250		C)	On and after March 15, 1998, for coating lines subject to the
1251			limitations of Section 218.204(1)(2)(A) or (B) of this Subpart, the
1252			weight of VOM per weight of solids in each coating as applied
1253			each day on each coating line.
1254			
1255		D)	For coating lines subject to the limitations of Section $218.204(c)(2)$
1256			of this Subpart, the weight of VOM per weight of solids (or the
1257			weight of VOM per weight of coatings, as applicable) in each
1258			coating as applied each day on each coating line.
1259			
1260		E)	For coating lines subject to the limitations of Section $218.204(g)(2)$
1261		<u> </u>	or 218.204(h)(2) of this Subpart, the weight of VOM per volume
1262			of each coating (or the weight of VOM per volume of solids in
1263			each coating, as applicable) as applied each day on each coating
1264			line
1265			
1265		FD)	The daily-weighted average VOM content of all coatings as
1260		<u>1</u> D)	applied on each coating line as defined in Section 218 104 of this
1268			Part
1269			
1270	3)	On and	after a date consistent with Section 218 106 of this Part, the owner
1271	2,	or one	rator of a subject coating line shall notify the Agency in the
1272		follow	ing instances.
1212		10110 W	1115 1115 MILLOOD.

1273				
1274			A)	Any record showing violation of Section 218.205 of this Subpart
1275			,	shall be reported by sending a copy of such record to the Agency
1276				within 30 days following the occurrence of the violation.
1277				, ,
1278			B)	At least 30 calendar days before changing the method of
1279			,	compliance with this Subpart from Section 218.205 of this Subpart
1280				to Section 218.204 or Section 218.207 of this Subpart, the owner
1281				or operator shall comply with all requirements of subsection $(c)(1)$
1282				or (e)(1) of this Section, respectively. Upon changing the method
1283				of compliance with this subpart from Section 218.205 to Section
1284				218.204 or Section 218.207 of this Subpart, the owner or operator
1285				shall comply with all requirements of subsection (c) or (e) of this
1286				Section, respectively.
1287				
1288	e)	Any o	wner or	operator of a coating line subject to the limitations of Section
1289		218.20	07 of thi	is Subpart and complying by means of Section 218.207(c), (d), (e),
1290		(f), (g)), -or (h).	, or (1) of this Subpart shall comply with the following:
1291				
1292		1)	By a d	late consistent with Section 218.106 of this Part, or upon initial start-
1293		,	up of a	a new coating line, or upon changing the method of compliance for
1294			an exi	sting coating line from Section 218.204 or Section 218.205 of this
1295			Subpa	rt to Section 218.207 of this Subpart, the owner or operator of the
1296			subjec	t coating line shall perform all tests and submit to the Agency the
1297			results	s of all tests and calculations necessary to demonstrate that the
1298			subjec	t coating line will be in compliance with Section 218.207 of this
1299			Subpa	rt on and after a date consistent with Section 218.106 of this Part, or
1300			on and	l after the initial start-up date.
1301				•
1302		2)	On and	d after a date consistent with Section 218.106 of this Part, or on and
1303		ŗ	after tl	he initial start-up date, the owner or operator of a subject coating
1304			line sh	all collect and record all of the following information each day for
1305			each c	oating line and maintain the information at the source for a period of
1306			three y	/ears:
1307				
1308			A)	The weight of VOM per volume of coating solids as applied each
1309				day on each coating line, if complying pursuant to Section
1310				218.207(b)(2) of this Subpart.
1311				
1312			B)	Control device monitoring data.
1313				
1314			C)	A log of operating time for the capture system, control device,
1315				monitoring equipment and the associated coating line.

.

				JCAR350218-0916399r01
1216				
1310				A maintenance log for the conture system, control device and
1219			D)	A maintenance log for the capture system, control device and
1210				monitoring equipment detaining an fourne and non-fourne
1220				maintenance performed including dates and duration of any
1320				outages.
1321		2)	0	1 - Armen Anter annotation to 14, Gravital Office (14, 17, 17, 14)
1322		3)	On and	a after a date consistent with Section 218.106 of this Part, the owner
1323			or ope	rator of a subject coating line shall notify the Agency in the
1324			IOHOW	ing instances:
1325			• >	
1326			A)	Any record showing violation of Section 218.207 of this Subpart
1327				shall be reported by sending a copy of such record to the Agency
1328				within 30 days following the occurrence of the violation.
1329				
1330			В)	At least 30 calendar days before changing the method of
1331				compliance with this Subpart from Section 218.207 of this Subpart
1332				to Section 218.204 or Section 218.205 of this Subpart, the owner
1333				or operator shall comply with all requirements of subsection $(c)(1)$
1334				or (d)(1) of this Section, respectively. Upon changing the method
1335				of compliance with this subpart from Section 218.207 of this
1336				Subpart to Section 218.204 or Section 218.205 of this Subpart, the
1337				owner or operator shall comply with all requirements of subsection
1338				(c) or (d) of this Section, respectively.
1339				
1340	t)	Any o	wner or	operator of a primer surfacer operation or topcoat operation subject
1341		to the	limitatio	ons of Section 218.204(a)(2) or (a)(3) of this Subpart shall comply
1342		with th	ne follow	wing:
1343			- ·	
1344		1)	By a d	ate consistent with Section 218.106 of this Part, or upon initial start-
1345			up of a	new coating operation, the owner or operator of a subject coating
1346			operati	ion shall certify to the Agency that the operation will be in
1347			compli	ance with Section 218.204 of this Subpart on and after a date
1348			consist	tent with Section 218.106 of this Part, or on and after the initial
1349			start-uj	p date. <u>The Such</u> certification shall include:
1350				
1351			A)	The name and identification number of each coating operation
1352				which will comply by means of Section $218.204(a)(2)$ and $(a)(3)$ of
1353				this Subpart and the name and identification number of each
1354				coating line in each coating operation.
1355				
1356			B)	The name and identification number of each coating as applied on
1357				each coating line in the coating operation.
1358				

1359 1360 1361		C)	The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
1362			
1363		D)	The transfer efficiency and control efficiency measured for each
1364			coating line.
1365			
1366		E)	Test reports, including raw data and calculations documenting the
1367			testing performed to measure transfer efficiency and control
1368			efficiency.
1369			
1370		F)	The instrument or method by which the owner or operator will
1371			accurately measure or calculate the volume of each coating as
1372			applied each day on each coating line.
1373			
1374		G)	The method by which the owner or operator will create and
1375		-	maintain records each day as required in subsection (f)(2) of this
1376			Sectionbelow.
1377			
1378		H)	An example format for presenting the records required in
1379		,	subsection (f)(2) of this Section below.
1380			
1381	2)	On and	d after a date consistent with Section 218.106 of this Part, or on and
1382		after th	he initial start-up date, the owner or operator of a subject coating
1383		operat	tion shall collect and record all of the following information each
1384		day for	or each operation and maintain the information at the source for a
1385		period	l of three years:
1386		•	•
1387		A)	All information necessary to calculate the daily-weighted average
1388		<i>,</i>	VOM emissions from the coating operations in kg (lbs) per 1 (gal)
1389			of coating solids deposited in accordance with the proposal
1390			submitted, and approved pursuant to Section 218.204(a)(2) or
1391			(a)(3) of this Subpart including:
1392			
1393			i) The name and identification number of each coating as
1394			applied on each coating operation.
1395			
1396			ii) The weight of VOM per volume of each coating (minus
1397			water and any compounds which are specifically exempted
1398			from the definition of VOM) as applied each day on each
1399			coating operation.
1400			
1401		B)	If a control device or devices are device(s) is used to control VOM

. . .

1402				emissions, control device monitoring data; a log of operating time
1403				for the capture system, control device, monitoring equipment and
1404				the associated coating operation; and a maintenance log for the
1405				capture system, control device and monitoring equipment,
1406				detailing all routine and non-routine maintenance performed
1407				including dates and duration of any outages.
1408				
1409		3)	On and	d after a date consistent with Section 218.106 of this Part or on and
1410		-	after th	he initial start-up date, the owner or operator of a subject coating
1411			operat	ion shall determine and record the daily VOM emissions in kg (lbs)
1412			per 1 (gal) of coating solids deposited in accordance with the proposal
1413			submit	tted and approved pursuant to Section 218.204(a)(2) or (a)(3) of this
1414			Subpa	rt within 10 days from the end of the month and maintain this
1415			inform	nation at the source for a period of three years.
1416				
1417		4)	On and	d after a date consistent with Section 218.106 of this Part, the owner
1418			or oper	rator of a subject coating operation shall notify the Agency in the
1419			follow	ing instances:
1420				5
1421			A)	Any record showing a violation of Section 218.204(a)(2) or (a)(3)
1422			,	of this Subpart shall be reported by sending a copy of such record
1423				to the Agency within 15 days from the end of the month in which
1424				the violation occurred.
1425				
1426			B)	The owner or operator shall notify the Agency of any change to the
1427			,	operation at least 30 days before the change is effected. The
1428				Agency shall determine whether or not compliance testing is
1429				required. If the Agency determines that compliance testing is
1430				required, then the owner or operator shall submit a testing proposal
1431				to the Agency within 30 days and test within 30 days of the
1432				approval of the proposal by the Agency and USEPA.
1433				
1434	g)	On and	l after a	date consistent with Section 218.106(e) of this Part, or on and after
1435	<i>с</i> и	the init	tial star	tup date, whichever is later, the owner or operator of a coating line
1436		subject	t to the	requirements of Section 218.218 of this Subpart shall comply with
1437		the foll	lowing:	
1438				
1439		1)	By Ma	v 1, 2011, or upon initial startup, whichever is later, submit a
1440		<u> </u>	certific	cation to the Agency that includes a description of the practices and
1441			proced	ures that the source will follow to ensure compliance with the
1442			applica	able requirements in Section 218.218 of this Subpart:
1443				

. . . .

JCAR350218-0916399r01

1444	<u>2</u>	Notify the Agency of any violation of Section 218.218 of this Subpart by
1445		providing a description of the violation and copies of records documenting
1446		the violation to the Agency within 30 days following the occurrence of the
1447		violation; and
1448		
1449	<u>3</u>	<u>Maintain at the source all records required by this subsection (g) for a</u>
1450		minimum of three years from the date the document was created and make
1451		those records available to the Agency upon request.
1452	(5	
1453	(Source:	Amended at 34 Ill. Reg, effective)
1454	~	
1455	Section 218.212	Cross-Line Averaging to Establish Compliance for Coating Lines
1456	```	
1457	a) ()	in and after March 15, 1996, any owner or operator of a coating line subject to
1458	th	ie limitations set forth in Section 218.204 of this Subpart, except coating lines
1459	<u>sı</u>	<u>abject to the limitations in Section 218.204(c)(2), (g)(2), or (h)(2) of this</u>
1460	<u>S</u>	ubpart, and with coating lines in operation prior to January 1, 1991 ("pre-
1461	ez	kisting coating lines"), may, for pre-existing coating lines only, elect to comply
1462	w	ith the requirements of this Section, rather than complying with the applicable
1463	er	mission limitations set forth in Section 218.204, if an operational change of the
1464	ty	pe described below has been made after January 1, 1991, to one or more pre-
1465	ez	cisting coating lines at the source. An operational change occurs when a pre-
1466	ez	cisting coating line is replaced with a line using lower VOM coating for the
1467	Sa	ime purpose as the replaced line ("replacement line"). A source electing to rely
1468	01	a this Section to demonstrate compliance with the requirements of this Subpart
1469	st	all operate pursuant to federally enforceable permit conditions approved by the
1470	A	gency and USEPA.
14/1	1.	
1472	D) A	n owner or operator of pre-existing coating lines subject to a VOM content
14/3	111 . F	mitation in Section 218.204 of this Subpart and electing to rely on this Section to
14/4	de in	emonstrate compliance with this Subpart must establish, by use of the equations
14/5	111 E-	subsection (d) of this Section, that the calculated actual daily VOM emissions
1470	11	oil all participating coating lines, as defined below, are less than the calculated
14/7	ua n	any anowable volvi emissions from the same group of coating lines. For any
1470	21 21	18 213 or 218 214 of this Subport ("norticipating coating lines"), the second
14/2	2. m	ust establish that:
1481	111	של האמר האמר האמר האמר האמר האמר האמר האמר
1487	1)	All coatings applied on the participating coating line shall at all times
1483	1)	have a VOM content less than or equal to the applicable VOM content
1484		limitation for such coating listed in Annendix U of this Dart, and
1485		minution for such coaring instea in Appendix ri of uns rait, and
1486	2)	On the date the source elects to rely on this Section to domonstrate
1 100	2)	on the date the source elects to rely on this Section to demonstrate

ar 9

		i = Subscript denoting a spe	cific coating applied;
		n = Total number of coating coating lines at the source	s applied by all participating ce;
		V _i = Volume of each coating l/day (gal/day) of coating compounds which are sp definition of VOM); and	applied for the day in units of g (minus water and any pecifically exempted from the
		C _i = The VOM content of eac kg VOM/l (lbs VOM/ga any compounds which a definition of VOM).	ch coating as applied in units of l) of coating (minus water and re specifically exempted from the
1525			
1526	2) The al	ernative daily emission limitation	(A_d) shall be determined for all
1527	partic	ating coating lines at the source of	n a daily basis as follows:
1528			
1529		$A_d = A_l + A_p$	
1530	h ana	and A. A. and defined in subsect	(d)(2)(A) = (d)(2)(D) = C
1531	where this S	A_1 and A_p are defined in subsect	$(\underline{a})(2)(A)$ and $(\underline{a})(2)(B)$ of
1522	uns Se		
1535	۸)	The neution of the alternative dail	
1534	A)	me portion of the alternative dall	y emissions miniation for coaring
1555		determined for all such participati	no non nouder costing lines on a
1530		deily basis as follows:	ng non-powder coating lines on a
1538		ually basis as follows.	
1558			
1539		$A_l = \sum_{i=1}^n V_i L_i \left(\frac{D_i - D_i}{D_i - D_i} \right)$	$\left(\frac{C_i}{L_i}\right)$
1540			
1541		where:	
1542			
		A _l = The VOM emissions allo kg/day (lbs/day);	owed for the day in units of
		i = Subscript denoting a spe	cific coating applied;

n = Total number of coatings applied in the participating coating lines;

1543 1544

1545 1546

1547

1548

1549

1550 1551

1552

- C_i = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);
- D_i = The density of VOM in each coating applied. For the purposes of calculating A_i, the density is 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM);
- V_i = Volume of each coating applied for the day in units of l (gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); and
- Li = The VOM emission limitation for each coating applied, as specified in Section 218.204 of this Subpart, in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).
- B) The portion of the alternative daily emission limitation for coating operations at a source using powdered coating (A_p) shall be determined for all such participating powder coating lines at the source on a daily basis as follows:

$$A_{p} = \sum_{h=1}^{m} \sum_{j=1}^{n} \frac{V_{j} L_{j} D_{j} K_{h}}{\left(D_{j} - L_{j}\right)}$$

where:

- A_p = The VOM emissions allowed for the day in units of kg/day (lbs/day);
- h = Subscript denoting a specific powder coating line;
- j = Subscript denoting a specific powder coating applied;
- m = Total number of participating powder coating lines;
- n = Total number of powder coatings applied in the participating coating lines;
- D_j = The assumed density of VOM in liquid coating, 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM);

1568 <u>3)</u> Minimize spills of VOM-containing cleaning materials; 1569 1570 <u>4)</u> Convey VOM-containing cleaning materials from one location to another 1571 in closed containers or pipes; and 1572 1573 5) Minimize VOM emissions from the cleaning of storage, mixing, and 1574 conveying equipment. 1575 1576 b) On and after May 1, 2011, every owner or operator of a source subject to the requirements of Section 218.204(g) or 218.204(h) of this Subpart shall: 1577 1578 1579 Store all VOM-containing coatings, thinners, coating-related waste <u>1)</u> 1580 materials, cleaning materials, and used shop towels in closed containers; 1581 1582 Ensure that mixing and storage containers used for VOM-containing 2) 1583 coatings, thinners, coating-related waste materials, and cleaning materials 1584 are kept closed at all times except when depositing or removing those 1585 materials; 1586 1587 Minimize spills of VOM-containing coatings, thinners, coating-related <u>3)</u> 1588 waste materials, and cleaning materials, and clean up spills immediately; 1589 1590 Convey VOM-containing coatings, thinners, coating-related waste <u>4)</u> 1591 materials, and cleaning materials from one location to another in closed 1592 containers or pipes; and 1593 1594 <u>5)</u> Minimize VOM emissions from the cleaning of storage, mixing, and 1595 conveying equipment. 1596 1597 (Source: Added at 34 Ill. Reg. _____, effective _____)

JCAR350218-0916399r01

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

- 1) <u>Heading of the Part</u>: Organic Material Emission Standards and Limitations for the Metro East Area
- 2) <u>Code Citation</u>: 35 Ill. Adm. Code 219

2

3)

Section Numbers: **Proposed Action:** 219.106 Amended 219.204 Amended 219.205 Amended 219.207 Amended 219.210 Amended 219.211 Amended 219.212 Amended 219.218 New

NOV 17 2009 STATE OF ILLINOIS ollution Control Board

- 4) <u>Statutory Authority</u>: 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]
- A Complete Description of the Subjects and Issues Involved: The proposed rulemaking 5) intends to satisfy Illinois' obligation to submit a State Implementation Plan addressing requirements under Sections 172 and 182 of the federal Clean Air Act, 42 USC 7401 et seq., for sources of volatile organic material (VOM) emissions in areas designated as nonattainment with respect to the ozone National Ambient Air Quality Standard. The United States Environmental Protection Agency (USEPA) issued Control Techniques Guidelines (CTGs) for the following Group III Consumer and Commercial Product Categories: Paper, Film, and Foil Coatings, Metal Furniture Coatings, and Large Appliance Coatings. In the CTGs, the USEPA recommended control measures that it believes constitute reasonably available control technology for the product categories. The Illinois EPA proposes amending Part 219 to implement such recommendations for the Metro East nonattainment area. Generally, the proposal amends VOM content limitations and exclusions, requires that metal furniture and large appliance coating lines comply with application method limitations, and requires that subject coating lines implement specified work practices for cleaning materials and/or cleaning-related activities.
- 6) <u>Published studies or reports, and sources of underlying data, used to compose this rulemaking</u>: The regulatory proposal included the Illinois EPA's Technical Support Document, which relied on several sources. Copies of the documents the Illinois EPA relied upon are available for review with the Pollution Control Board and are listed below:

 $\frac{1}{09}$

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Control Techniques Guidelines for Paper, Film, and Foil Coatings, United States Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC, September 2007.

Control Techniques Guidelines for Metal Furniture Coatings, United States Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC, September 2007.

Control Techniques Guidelines for Large Appliance Coatings, United States Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC, September 2007.

- 7) Will this rulemaking replace any emergency rulemaking currently in effect? No
- 8) <u>Does this rulemaking contain an automatic repeal date?</u> No

1.1

- 9) <u>Does this rulemaking contain incorporations by reference</u>? No
- 10) Are there any other proposed amendments pending on this Part? No
- Statement of Statewide Policy Objectives: This proposed rulemaking does not create or enlarge a State mandate, as defined in Section 3(b) of the State Mandates Act. [30 ILCS 805/3(b) (2006)]
- 12) <u>Time, Place, and Manner in which interested persons may comment on this proposed</u> <u>rulemaking</u>: Interested persons may request copies of the Board's opinion and order by calling the Clerks office at 312/814-3620, or may download copies from the Board's Web site at www.ipcb.state.il.us. The Board will accept written public comment on this proposal for 45 days after the date of publication in the *Illinois Register*. Comments should refer to Docket R10-10 and be addressed to:

Clerk's Office Illinois Pollution Control Board 100 W. Randolph St., Suite 11-500 Chicago, IL 60601 312/814-3620

The Board has scheduled hearings according to the deadlines and for the purposes established by Section 28.5. Each hearing will continue from day-to-day until business is

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

completed:

 \mathcal{A}

First hearing:	Wednesday, December 9, 2009 10:00 AM James R. Thompson Center 100 W. Randolph St. Pollution Control Board Conference Room 11-512		
	Chicago, Illinois		
Second hearing: (if necessary)	Wednesday, January 6, 2010 10:00 AM		
(Michael A. Bilandic Building		
	160 N. LaSalle Street		
	Room N-505		
	Chicago, Illinois		
Third hearing:	Wednesday, January 20, 2010		
(if necessary)	10:00 AM		
	Michael A. Bilandic Building		
	160 N. LaSalle Street		
	Room N-505		
	Chicago, Illinois		

A November 5, 2009 hearing officer order contains additional details concerning participation in the rulemaking. For more information contact Hearing Officer Tim Fox at 312/814-6085 or email at foxt@ipcb.state.il.us.

- 13) Initial Regulatory Flexibility Analysis:
 - A) <u>Types of small businesses, small municipalities and not for profit corporations</u> <u>affected</u>: This rulemaking will impact any small business, small municipality, and not-for-profit corporation that falls within one of the Group III Product Categories and meets the applicability thresholds specified in the proposal.
 - B) <u>Reporting, bookkeeping or other procedures required for compliance</u>: The proposed rulemaking requires that the owner or operator of a subject source perform emissions monitoring, submit certifications, complete required tests, and maintain records and make reports as required.
 - C) <u>Types of Professional skills necessary for compliance</u>: No professional skills

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

beyond those currently required by the existing State and federal air pollution control regulations applicable to affected sources will be required.

14) Regulatory Agenda on which this rulemaking was summarized: July 2009

The full text of the Proposed Amendments begins on the next page:

TITLE 35: SUBTITLE B: CHAPTER I: SUBCHAPTER FOR STATION	ENVIRONMENTAL PROTECTION : AIR POLLUTION POLLUTION CONTROL BOARD c: EMISSIONS STANDARDS AND LIMITATIONS JARY SOURCES
PART 219 ORGANIC MAT FOR THE MET	TERIAL EMISSION STANDARDS AND LIMITATIONS
SUBPART A:	GENERAL PROVISIONS
Section	
219.100	Introduction
219.101	Savings Clause
219.102	Abbreviations and Conversion Factors
219.103	Applicability
219.104	Definitions
219.105	Test Methods and Procedures
219.106	Compliance Dates
219.107	Operation of Afterburners
219.108	Exemptions, Variations, and Alternative Means of Control
Compliance	Determinations
219.109	Vapor Pressure of Volatile Organic Liquids
219.110	Vapor Pressure of Organic Material or Solvent
219.111	Vapor Pressure of Volatile Organic Material
219.112	Incorporations by Reference
219.113	Monitoring for Negligibly-Reactive Compounds
SUBPART B:	ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS
Section	
219.119	Applicability for VOL
219.120	Control Requirements for Storage Containers of VOL
219.121	Storage Containers of VPL
219.122	Loading Operations
219.123	Petroleum Liquid Storage Tanks
219.124	External Floating Roofs
219.125	Compliance Dates
219.126	Compliance Plan (Repealed)
219.127	Testing VOL Operations
219.128	Monitoring VOL Operations
219.129	Recordkeeping and Reporting for VOL Operations
SUBPART C:	ORGANIC EMISSIONS FROM MISCELLANEOUS EQUIPMENT
Section	
219.141	Separation Operations
219.142	Pumps and Compressors
219.143	Vapor Blowdown
219.144	Safety Relief Valves
SUBPART E:	SOLVENT CLEANING
Section	
219.181	Solvent Cleaning in General
219.182	Cold Cleaning

RECEIVED NOV 172003 STATE OF ILLIVOIS Dilution Control Botaro

or

Open Top Vapor Degreasing 219.183 219.184 Conveyorized Degreasing 219.185 Compliance Schedule (Repealed) 219.186 Test Methods SUBPART F: COATING OPERATIONS Section Section219.204Emission Limitations219.205Daily-Weighted Average Limitations219.206Solids Basis Calculation219.207Alternative Emission Limitations219.208Exemptions From Emission Limitations219.209Exemption From General Rule on Use of Organic Material219.210Compliance Schedule210.211Decordbooring and Perorting Recordkeeping and Reporting 219.211 Cross-Line Averaging to Establish Compliance for Coating Lines 219.212 219.213 Recordkeeping and Reporting for Cross-Line Averaging Participating Coating Lines 219.214 Changing Compliance Methods Wood Furniture Coating Averaging Approach 219.215 219.215 wood Furniture Coating Averaging Approach
219.216 Wood Furniture Coating Add-On Control Use
219.217 Wood Furniture Coating Work Practice Standards
219.218 Work Practice Standards for Paper Coatings, Metal Furniture Coatings, and Large Appliance Coatings SUBPART G: USE OF ORGANIC MATERIAL Section 219.302 Alternative Standard 219.303 Fuel Combust Use of Organic Material Fuel Combustion Emission Units Operations with Compliance Program 219.304 SUBPART H: PRINTING AND PUBLISHING Section Flexographic and Rotogravure Printing Applicability 219.401 219.402 219.403 Compliance Schedule 219.404 Recordkeeping and Reporting Lithographic Printing: Applicability Provisions Applying to Heatset Web Offset Lithographic Printing 219.405 219.406 Prior to March 15, 1996 219.407 Emission Limitations and Control Requirements for Lithographic Printing Lines On and After March 15, 1996 219.408 Compliance Schedule for Lithographic Printing On and After March 15, 1996 219.409Testing for Lithographic Printing On and After March 15, 1996219.410Monitoring Requirements for Lithographic Printing 219.411 Recordkeeping and Reporting for Lithographic Printing SUBPART Q: SYNTHETIC ORGANIC CHEMICAL AND POLYMER MANUFACTURING PLANT Section

219.421 General Requirements

219.422Inspection Program Plan for Leaks219.423Inspection Program for Leaks219.424Repairing Leaks219.425Recordkeeping for Leaks219.426Report for Leaks219.427Alternative Program for Leaks219.428Open-Ended Valves219.429Standards for Control Devices219.430Compliance Date (Repealed)219.431Applicability219.432Control Requirements219.433Performance and Testing Requirements219.434Monitoring Requirements Inspection Program Plan for Leaks 219.422 Monitoring Requirements 219.434 Recordkeeping and Reporting Requirements 219.435 219.436 Compliance Date SUBPART R: PETROLEUM REFINING AND RELATED INDUSTRIES; ASPHALT MATERIALS Section Petroleum Refinery Waste Gas Disposal 219.441Petroleum Refinery Waste Gas Dispo219.442Vacuum Producing Systems219.443Wastewater (Oil/Water) Separator219.444Process Unit Turnarounds219.445Leaks: General Requirements219.446Monitoring Program Plan for Leaks219.447Monitoring Program for Leaks219.448Recordkeeping for Leaks219.449Reporting for Leaks219.450Alternative Program for Leaks219.451Sealing Device Requirements219.452Compliance Schedule for Leaks 219.441 219.453 Compliance Dates (Repealed) SUBPART S: RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS Section 219.461Manufacture of Pneumatic Rubber Tires219.462Green Tire Spraying Operations219.463Alternative Emission Reduction Systems210.461Table To the second se 219.464Emission Testing219.465Compliance Dates (Repealed) Compliance Plan (Repealed) 219.466 SUBPART T: PHARMACEUTICAL MANUFACTURING Section 219.480 Applicability Control of Reactors, Distillation Units, Crystallizers, Centrifuges 219.481 and Vacuum Dryers 219.482 Control of Air Dryers, Production Equipment Exhaust Systems and Filters Material Storage and Transfer In-Process Tanks 219.483 219.484 219.485 Leaks Other Emission Units 219.486 219.487 Testing

219.488 Monitoring for Air Pollution Control Equipment Recordkeeping for Air Pollution Control Equipment 219.489 SUBPART V: BATCH OPERATIONS AND AIR OXIDATION PROCESSES Section Applicability for Batch Operations 219.500 219.501 Control Requirements for Batch Operations 219.501Control Requirements for Batch Operations219.502Determination of Uncontrolled Total Annual Mass Emissions and Actual Weighted Average Flow Rate Values for Batch Operations 219.503 Performance and Testing Requirements for Batch Operations 219.504 Monitoring Requirements for Batch Operations Reporting and Recordkeeping for Batch Operations 219.505 219.506 Compliance Date Emission Limitations for Air Oxidation Processes 219.520 Emission Limitations for Air Oxidation Processes 219.521 Definitions (Repealed) 219.522 Savings Clause 219.523 Compliance 219.524 Determination of Applicability 219.525 Emission Limitations for Air Oxidation Processes (Renumbered) 219.526 Testing and Monitoring 219.527 Compliance Date (Repealed) 219.520 SUBPART W: AGRICULTURE Section 219.541 Pesticide Exception SUBPART X: CONSTRUCTION 219.561 Architectural Coatings 219.562 Paving Operations 219.563 Cutback Apple 2 SUBPART Y: GASOLINE DISTRIBUTION Section 219.581 Bulk Gasoline Plants Bulk Gasoline Terminals 219.582 219.583 Gasoline Dispensing Operations - Storage Tank Filling Operations 219.584 Gasoline Delivery Vessels 219.585 Gasoline Volatility Standards Gasoline Dispensing Operations - Motor Vehicle Fueling Operations 219.586 (Repealed) SUBPART Z: DRY CLEANERS Section 219.601 Perchloroethylene Dry Cleaners (Repealed) Exemptions (Repealed) 219.602 Leaks (Repealed) 219.603 Compliance Dates (Repealed) 219.604 219.605 Compliance Plan (Repealed) 219.606 Exception to Compliance Plan (Repealed) 219.607 Standards for Petroleum Solvent Dry Cleaners 219.608 Operating Practices for Petroleum Solvent Dry Cleaners

219.609 Program for Inspection and Repair of Leaks 219.610 Testing and Monitoring 219.611 Exemption for Petroleum Solvent Dry Cleaners 219.612 Compliance Dates (Repealed) Compliance Plan (Repealed) 219.613 SUBPART AA: PAINT AND INK MANUFACTURING Section 219.620 Applicability 219.620 Applicability 219.621 Exemption for Waterbase Material and Heatset-Offset Ink 219.623 Permit Conditions 219.624 Open-Top Mills, Tanks, Vats or Vessels 219.625 Grinding Mills 219.626 Storage Tanks Leaks 219.628 219.630 Clean Up Compliance Schedule 219.636 219.637 Recordkeeping and Reporting SUBPART BB: POLYSTYRENE PLANTS Section Applicability 219.640 Emissions Limitation at Polystyrene Plants 219.642 219.644 Emissions Testing SUBPART FF: BAKERY OVENS Section Applicability (Repealed) 219.720 219.722 Control Requirements (Repealed) Testing (Repealed) 219.726 Monitoring (Repealed) 219.727 219.728 Recordkeeping and Reporting (Repealed) 219.729 Compliance Date (Repealed) 219.730 Certification (Repealed) SUBPART GG: MARINE TERMINALS Section Applicability 219.760 219.762 Control Requirements 219.764 Compliance Certification 219.766 Leaks 219.768 Testing and Monitoring 219.770 Recordkeeping and Reporting SUBPART HH: MOTOR VEHICLE REFINISHING Section 219.780 Emission Limitations 219.782Alternative Control Requirements219.784Equipment Specifications219.786Surface Preparation Materials219.787Work Practices219.788Testing

219.789 Monitoring and Recordkeeping for Control Devices 219.789 Monitoring and Reporting (Repealed)
219.790 General Recordkeeping and Reporting (Repealed)
219.791 Compliance Date
219.792 Registration
219.875 Applicability of Subpart BB (Renumbered)
219.877 Emissions Limitation at Polystyrene Plants (Renumbered)
219.879 Compliance Date (Repealed)
219.881 Compliance Plan (Repealed)
219.883 Special Requirements for Compliance Plan (Repealed)
219.886 Emissions Testing (Renumbered)

SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT MANUFACTURING PROCESSES

Section

219.920	Applicability				
219.923	Permit Conditions				
219.926	Control Requirements				
219.927	Compliance Schedule				
219.928	Testing				

SUBPART QQ: MISCELLANEOUS FORMULATION MANUFACTURING PROCESSES

Section

219.940	Applicability				
219.943	Permit Conditions				
219.946	Control Requirements				
219.947	Compliance Schedule				
219.948	Testing				

SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL MANUFACTURING PROCESSES

Section 219,960

219.960	Applicability				
219.963	Permit Conditions				

222.202	T OT III O	O O HOLL C T O HO
210 000	Control	Boguiromon

- Control Requirements 219.966 Compliance Schedule 219.967
- 219.968 Testing

SUBPART TT: OTHER EMISSION UNITS

Section 219.980 Applicability 219.983 Permit Conditions 219.986 Control Requirements 219.987 Compliance Schedule 219.988 Testing

SUBPART UU: RECORDKEEPING AND REPORTING

Section

219.990 Exempt En	mission Units
-------------------	---------------

Subject Emission Units 219.991

219.APPENDIX A+ List of Chemicals Defining Synthetic Organic Chemical and Polymer Manufacturing 219.APPENDIX B+ VOM Measurement Techniques for Capture Efficiency (Repealed) 219.APPENDIX C+ Reference Methods and Procedures 219.APPENDIX D+ Coefficients for the Total Resource Effectiveness Index (TRE) Equation 219.APPENDIX E+ List of Affected Marine Terminals 219.APPENDIX E+ List of Affected Marine Terminals 219.APPENDIX G+ TRE Index Measurements for SOCMI Reactors and Distillation Units 219.APPENDIX H+ Baseline VOM Content Limitations for Subpart F, Section 219.212 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, $\frac{28}{28}$ and 28.5].

SOURCE: Adopted in R91-8 at 15 Ill. Reg. 12491, effective August 16, 1991; amended in R91-24 at 16 Ill. Reg. 13597, effective August 24, 1992; amended in R91-30 at 16 Ill. Reg. 13883, effective August 24, 1992; emergency amendment in R93-12 at 17 Ill. Reg. 8295, effective May 24, 1993, for a maximum of 150 days7: amended in R93-9 at 17 Ill. Reg. 16918, effective September 27, 1993 and October 21, 1993; amended in R93-28 at 18 Ill. Reg. 4242, effective March 3, 1994; amended in R94-12 at 18 Ill. Reg. 14987, effective September 21, 1994; amended in R94-15 at 18 Ill. Reg. 16415, effective October 25, 1994; amended in R94-16 at 18 Ill. Reg. 16980, effective November 15, 1994; emergency amendment in R95-10 at 19 Ill. Reg. 3059, effective February 28, 1995, for a maximum of 150 days; amended in R94-21, R94-31 and R94-32 at 19 Ill. Reg. 6958, effective May 9, 1995; amended in R94-33 at 19 Ill. Req. 7385, effective May 22, 1995; amended in R96-2 at 20 Ill. Reg. 3848, effective February 15, 1996; amended in R96-13 at 20 Ill. Reg. 14462, effective October 28, 1996; amended in R97-24 at 21 Ill. Reg. 7721, effective June 9, 1997; amended in R97-31 at 22 Ill. Reg. 3517, effective February 2, 1998; amended in R04-12/20 at 30 Ill. Reg. 9799, effective May 15, 2006; amended in R06-21 at 31 Ill. Reg. 7110, effective April 30, 2007; amended in R10-10 at 34 Ill. Reg. ____, effective _

SUBPART A: GENERAL PROVISIONS

Section 219.106 Compliance Dates

a) Except as provided in subsection (b) below, compliance with the requirements of this Part is required by May 15, 1992, consistent with the provisions of Section 219.103 of this Part.

b) As this Part is amended from time to time, compliance dates included in the specific Subparts supersede the requirements of this Section except as limited by Section 219.101(b) of this Subpart.

c) Any owner or operator of a source subject to the requirements of Section 219.204(c)(2), 219.204(g)(2), or 219.204(h)(2) of this Part shall comply with the applicable requirements in <u>such Section(s)</u> the applicable subsections, as well as all applicable requirements in Sections 219.205 through 219.214 and 219.218, by May 1, 2011.

(Source: Amended at 34 Ill. Reg. ____, effective_____)

SUBPART F: COATING OPERATIONS

Section 219.204 Emission Limitations

Except as provided in Sections 219.205, 219.207, 219.208, 219.212, 219.215 and 219.216 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 <u>SectionsSection</u> 219.204(c), 219.204(g), 219.204(h), and 219.204(l), 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 219.105(a) of this Part and the recordkeeping and reporting requirements specified in Section 219.211(c) of this Subpart except where noted. (Note: The equation presented in Section 219.206 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:

a)Automobile or Light-Duty Truck Coatingkg/llb/gal1)Prime

coat0.14(1.2)0.14*(1.2)*2)Primer surface coat1.81(15.1)1.81*(15.1)*
(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 surface operation.
Compliance shall be demonstrated in accordance with the topcoat protocol
referenced in Section 219.105(b) and the recordkeeping and reporting
requirements specified in Section 219.211(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 219.205 does not apply to
the primer surface limitation.)

kg3)Topcoatkg/llb/gal3)Topcoat1.81(15.1)1.81*(15.1)*

(Note: The topcoat limitation is in units of kg (lbs) of VOM per 1 (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 219.105(b) of this Part and the recordkeeping and reporting requirements specified in Section 219.211(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 219.205 of this Part does not apply to the topcoat limitation.)

kg/llb/gal4)Final repair coatcoatkg/llb/gal0.58(4.8)0.58*(4.8)* b)Can Coatingkg/llb/gal1)Sheet basecoat and overvarnishAovervarnishA)Sheet basecoat0.34(2.8)0.26*(2.2)*B)Overvarnish0.34(2.8)0.34(2.8)*2)Exterior basecoat and overvarnish0.34(2.8)0.25*(2.1)*3)Interior body spray coatAcoatA)Two piece0.51(4.2)0.44*(3.7)*B)Three piece0.51(4.2)0.51*(4.2)*4)Exterior end coat0.51(4.2)0.51*(4.2)*5)Side seam spray coat0.66(5.5)0.66*(5.5)*6)End sealing compound coat0.44(3.7)0.44*(3.7)*

 kg/l
 lb/gal

 0.35
 (2.9)

c) Paper Coating

0.28* (2.3)*Prior to May 1, 2011: 1) lbllb/gal kq/10.28 (2.3)2) On and after May 1, 2011: kg VOM/kaka VOM/kg kg (1b VOM/kg coatings appliedAappliedcoatings <u>lb)</u>(lb VOM/lb) (lb VOM/lb) solids applied appliedA) Pressure sensitive tape and label surface coatings 0.20 (0.067)B) All other paper coatings 0.40 (0.08)(Note: The paper coating limitation shall not apply to any owner or operator of any paper coating line on which flexographic or rotogravure printing is performed if the paper coating line complies with the emissions limitations in Section 219.401 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 waterbased clays.) kg/llb/galdd)Coil CoatingCoatingkg/llb/gal0.31 (2.6)0.20*(1.7)* e)Fabric Coating0.35 (2.9)0.28*(2.3)* f)Vinyl Coating0.45 (3.8)0.28*(2.3)* g)Metal Furniture Coating 1) Prior to May 1, 2011: kg/1 1b/gal Allb/galA) Air dried Dried0.34 (2.8)B) Baked 0.28 (2.3)2) On and after May 1, 2011: kg/l kg/l lkg/l <u>(lb/gal)</u>(lb/gal) — $\frac{(lb/gal)}{}$ solids applied --- AappliedA) General, One Component 0.275 0.40 0.2750.40(2.3)(3.3)B) General, Multi-ComponentiComponenti) Air Dried 0.340 0.55 0.3400.55(2.8) (4.5)ii) Baked 0.275 0.40 (2.3)-0.3600.61(3.0)(3.35.1)C)Extreme High Gloss i) Glossi)Air Dried 0.55 <u>0.3400.55</u>(2.8) (4.5)ii) Baked 0.340 0.360 0.61 <u>0.3600.61</u>(3.0) (5.1)D)Extreme i) <u>Performancei)</u>Air Dried 0.420 0.80 Performance (6.7)ii) 0.4200.80(3.5)Baked 0.360 0.61 0.3600.61(3.0)Heat ResistantiResistanti) Air Dried (5.1)E)0.4200.80(3.5)(6.7)ii) Baked 0.420 0.80 0.3600.61(3.0)(5.1)F) Metallic 0.360 0.61 0.4200.80(3.5)0.420 0.80 (6.7)0.4200.80(3.5)G) Pretreatment Coatings 0.4200.80 i) Absorbenti) Air Dried (6.7)H)Solar Absorbent 0.420 0.80 0.4200.80(3.5)Baked (6.7)ii) 0.360 0.61 <u>0.3600.61</u>(3.0) (5.1)0.36 (3.0)1) Air dried 0.34* (2.8)*2Baked 0.36 (3.0)0.28* (2.3)*

(Note: On and after May 1, 2011, these limitations 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.)

3) On and after May 1, 2011, an owner or operator of a coating line subject to the limitations in <u>this</u> subsection (g) of this Section shall apply all coatings using one or more of the following application methods:

A) Electrostatic spray;

B) High volume low pressure (HVLP) spray;

C) Flow coating. For the purposes of this subsection (g), flow coating means a non-atomized technique of applying coating to a substrate with a fluid nozzle with no air supplied to the nozzle;

D) Roll coating;

E) Dip coating, including electrodeposition. For purposes of this subsection (g), 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; or

F) Another coating application method capable of achieving a transfer efficiency equal to or better than that achieved by HVLP spraying, if such method is approved in writing by the Agency.

Coating	1)	Prior	to May 1, 2	011:		
	kg/ l	lb/ga	l <u>Allb/gal</u>	A)	Air dried	
(2.8)	B)	Baked			0.28	
On and after	r May 1, 2	011:	kg/l		kg/l kg/l	<u>ka/1</u>
(lb/gal)	sol	ids appl	ied			
iedA) Genera	al, One Co	mponent	0.275		0.40	
(3.3)	B) Gen	eral, Mu	lti- Componen	tiCompo	<u>nenti</u>)	
0.340	0.5	5	0.3400.55(2	.8)		
	0.275		0.40	0.2750	<u>.40</u> (2.3)	
Extreme Hig	h Gloss	i)	<u>Glossi)</u> Air D	ried	0.3	40
0.3400.55(2	.8)	(4.5)	ii) Baked		0.3	60
<u>600.61</u> (3.0)	(5.	1)D)	Extreme Per	formanc	e	i)
Dried	0.420	0.80	0.4200.80	(3.5)		
	0.360	0.61	0.3600.61	(3.0)		
Resistanti <mark>Re</mark>	<u>sistanti</u>)	Air D	ried	0.420	0.8	0
(6.7)	ii) Bak	ed	0.360		0.61	
(5.1)		F)	Metallic		0.4	20
<u>0.4200.80</u> (3	.5)	(6.7)		G)	Pretreatm	ent
0.420	0.80	0.420	<u>0.80</u> (3.5)		(6.7)H)	
· · · · · · · · · · · · · · · · · · ·	<u>i) Abso</u>	<u>rbenti)</u> A	ir Dried		0.420	
<u>0.80</u> (3.5)	(6.	7)				
	0.360	0.61	0.3600.61	(3.0)	(5.	1)
Air dried			0.34	(2.8)		
			0.34*	(2.8) 1	• ³	
Baked			0.34	(2.8)		
			0.28*	(2.3)	-	
	e Coating (2.8) On and afte (1b/gal) iedA) Gener (3.3) 0.340 Extreme Hig 0.3400.55(2 600.61(3.0) Dried ResistantiRe (6.7) (5.1) 0.4200.80(3 0.420 0.80(3.5) Air dried Baked	<pre>k Coating 1) kg/l (2.8) B) On and after May 1, 2 (lb/gal) sol iedA) General, One Co (3.3)B) Gen 0.340 0.5 0.275 Extreme High Gloss 0.3400.55(2.8) 600.61(3.0) (5. Dried 0.420 0.360 ResistantiResistanti) (6.7)ii) Bak (5.1) 0.4200.80(3.5) 0.420 0.80 (3.5) (6. 0.360 Air dried</pre>	a Coating 1) Prior kg/l lb/ga (2.8) B) Baked On and after May 1, 2011:	a Coating 1) Prior to May 1, 2 kg/l lb/gal Allb/gal (2.8) B) Baked On and after May 1, 2011: kg/l (lb/gal) solids applied iedA) General, One Component 0.275- (3.3)B) General, Multi-Component 0.340 0.55 0.3400.55(2 0.340 0.55 0.3400.55(2 0.3400.55(2.8) (4.5)ii) Baked 600.61(3.0) (5.1)D) Extreme Per Dried 0.420 0.4200.80 0.3400.55(2.8) (4.5)ii) Baked 600.61(3.0) (5.1)D) Extreme Per Dried 0.420 0.4200.80 0.3600 0.61 0.3600.61 ResistantiResistanti) Air Dried (6.7)ii) Baked 0.360 0.420 0.80 0.4200.80(3.5) (5.1) F) Metallic 0.4200.80(3.5) (6.7) 0.3600.61 0.80(3.5) (6.7) 0.3600.61 0.80(3.5) (6.7) 0.3600.61	e Coating 1) Prior to May 1, 2011: kg/l Ib/gal Allb/galA) (2.8) B) Baked On and after May 1, 2011:	Prior to May 1, 2011: kg/l lb/gal Allb/galA) Air dried (2.8) B) Baked 0.28 On and after May 1, 2011: kg/l kg/l kg/l (1b/gal) solids applied kg/l kg/l (iedA) General, One Component 0.275 0.40 0.2750.40(2.3) 0.3400 0.55 0.3400.55(2.8) 0.2750.40(2.3) 0.3400 0.2755 0.40 0.2750.40(2.3) Extreme High Gloss i) Glossi)Air Dried 0.3 0.3400.55(2.8) (4.5)ii) Baked 0.3 600.61(3.0) (5.1)D) Extreme Performance Dried 0.4200 0.420 0.80 0.3600 0.61 0.3600.61(3.0) 0.61 0.3600 0.61 0.3600 0.61 (5.1) F) Metallic 0.420 0.8 0.61 0.420 0.8 (6.7)ii) Baked 0.3600 0.61 0.420 0.8 (5.1) F) Metallic 0.41 0.420 0.8 (6.7)ii) Baked 0.3600 0.61 0.36

(Note: These limitations 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 11 (1 quart) in any one rolling eighthour 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.) 3) On and after May 1, 2011, an owner or operator of a coating line subject to the limitations in <u>this</u> subsection (h) of this Section shall apply all coatings using one or more of the following application methods:

- A) Electrostatic spray;
- B) High volume low pressure (HVLP) spray;

C) Flow coating. For the purposes of this subsection (h), flow coating means a non-atomized technique of applying coating to a substrate with a fluid nozzle with no air supplied to the nozzle;

- D) Roll coating;
- E) Brush coating;

F) Dip coating, including electrodeposition. For purposes of this subsection (h), 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; or

G) Another coating application method capable of achieving a transfer efficiency equal to or better than that achieved by HVLP spraying, if such method is approved in writing by the Agency.

kg/llb/galii)Magnet Wire CoatingCoatingkg/llb/gal0.20(1.7)0.20*(1.7)*
j)Miscellaneous Metal Parts and Products Coating1)Clear
coating0.52(4.3)0.52*(4.3)*2)Extreme performance coatingAcoatingA)Air
dried0.42(3.5)0.42*(3.5)*B)Baked0.42(3.5)0.40*(3.3)*3)Steel pail and drum
interior coating0.52(4.3)0.52*(4.3)*4)All other coatingsAcoatingsA)Air
Dried0.42(3.5)0.40*(3.3)*B)Baked0.36(3.0)0.34*(2.8)*5)Metallic
CoatingACoatingA)Air Dried0.42(3.5)0.42*(3.5)*B)Baked0.36(3.0)0.36(3.0)*6)
For purposes of subsection 219.204(j)(5) of this Section, "metallic coating"

means a coating which contains more than 1/4 lb/gal of metal particles, as applied. k)Heavy Off-Highway Vehicle Products Coatingkg/llb/gal1)Extreme performance prime coat0.42(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) above.

1) Wood Furniture Coating1)Limitations before March 15,

1998:kg/llb/galAgalA)Clear topcoat0.67(5.6)B)Opaque stain0.56(4.7)C)Pigmented coat0.60(5.0)D)Repair coat0.67(5.6)E)Sealer0.67(5.6)F)Semi-transparent stain0.79(6.6)G)Wash coat0.73(6.1)

(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.) On and after March 15, 1998, wood furniture sealers and topcoats must comply with one of the limitations specified in subsections (1)(2)(A) through (E), below:

kg VOM/kg solidslb VOM/lb solidsA)Topcoat0.8(0.8)B)Sealers and topcoats with the following limits:i)Sealer other than acid-cured alkyd amino vinyl sealer1.9(1.9)ii)Topcoat other than acid-cured alkyd amino conversion varnish topcoat1.8(1.8)iii)Acid-cured alkyd amino vinyl sealer2.3(2.3)iv)Acid-cured alkyd amino conversion varnish topcoat2.0(2.0)

C) Meet the provisions of Section 219.215 of this Subpart for use of an averaging approach;

D) Achieve a reduction in emissions equivalent to the requirements of Section 219.204(1)(2)(A) or (B) of this Subpart, as calculated using Section 219.216 of this Subpart; or

E) Use a combination of the methods specified in Section 219.204(l)(2)(A) through (D) of this Subpart.

3) Other wood furniture coating limitations on and after March 15, 1998:kg/llb/galA)Opaque stain0.56(4.7)B)Non-topcoat pigmented coat0.60(5.0)C)Repair coat0.67(5.6)D)Semi-transparent stain0.79(6.6)E)Wash coat0.73(6.1)

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

A) No source subject to the limitations of subsection (1)(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 (1)(2) or (3) of this Section shall comply with the requirements of Section 219.217 of this Subpart.

C) Any source subject to the limitations of subsection (1)(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 (1)(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.

m)Plastic Parts Coating: Automotive/Transportationkg/llb/gal1)Interiors A)BakediInteriorsA)Bakedi)Color coat0.49*(4.1)*ii)Primer0.46*(3.8)*B)Air DriediDriedi)Color coat0.38*(3.2)*ii)Primer0.42*(3.5)*2)Exteriors (flexible and non-flexible)A)BakediBakedi)Primer0.60*(5.0)*ii)Primer nonflexible0.54*(4.5)*iii)Clear coat0.52*(4.3)*iv)Color coat0.55*(4.6)*B)Air DriediDriedi)Primer0.66*(5.5)*ii)Clear coat0.54*(4.5)*iii)Color coat (red & black)0.67*(5.6)*iv)Color coat (others)0.61*(5.1)*3)SpecialtyASpecialtASpecialtASpecialtASpecialtASpecialtASpecialtASpecialtASpecialtASpecialtASpecialtASpecialtASpecialtASpecialtASpecialtASpecialtASpecialtASpecialtASpecialtASpecialtASpeciASpecialtASpecialtASpecialtASpeci

Section 219.205 Daily-Weighted Average Limitations

No owner or operator of a coating line subject to the limitations of Section 219.204 of this Subpart and complying by means of this Section shall operate the subject coating line unless the owner or operator has demonstrated compliance with subsection (a), (b), (c), (d), (e), (f), (g), or (h), or (i) of this Section (depending upon the category of coating) through the applicable coating analysis test methods and procedures specified in Section 219.105(a) of this Part and the recordkeeping and reporting requirements specified in Section 219.211(d) of this Subpart:

a) No owner or operator of a coating line subject to only one of the limitations from among Section 219.204(a)(1), (a)(4), (c), (d), (e), (f), or (i), or, prior to May 1, 2011, (c) of this Subpart shall apply coatings on any such coating line, during any day, whose daily-weighted average VOM content exceeds the emission limitation to which the coatings are subject.

b) No owner or operator of a miscellaneous metal parts and products coating line subject to the limitations of Section 219.204(j) of this Subpart shall apply coatings to miscellaneous metal parts or products on the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met.

1) For each coating line whichthat applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 219.204(j) of this Subpart during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line whichthat applies coatings subject to more than one numerical emission limitation in Section 219.204(j) of this Subpart, during the same day, the owner or operator shall have a site-specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.

c) No owner or operator of a can coating line subject to the limitations of Section 219.204(b) of this Subpart shall operate the subject coating line using a coating with a VOM content in excess of the limitations specified in Section 219.204(b) of this Subpart unless all of the following requirements are met: 1) An alternative daily emission limitation for the can coating operation, i.e. for all of the can coating lines at the source, shall be determined according to subsection (c)(2) of this Section. Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation.

where:

Ed = Actual VOM emissions for the day in units of kg/day (lbs/day);i = Subscript denoting a specific coating applied;n = Total number of coatings applied in the can coating operation, i.e. all can coating lines at the source;Vi = Volume of each coating applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);Ci = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM). 2) The alternative daily emission limitation (Ad) shall be determined for the can coating operation, i.e. for all of the can coating lines at the source, on a daily basis as follows:

where:

Ad = The VOM emissions allowed for the day in units of kg/day (lbs/day); i = Subscript denoting a specific coating applied; n = Total number of surface coatings applied in the can coating operation; Ci = The VOM content of each surface coating as applied in units of kg VOM/1 (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of The density of VOM in each coating applied. For the purposes of VOM);Di = calculating Ad, the density is 0.882 kg VOM/1 VOM (7.36 lbs VOM/gal VOM);Vi = Volume of each surface coating applied for the day in units of 1 (gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); Li = The VOM emission limitation for each surface coating applied as specified in Section 219.204(b) of this Subpart in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).

d) No owner or operator of a heavy off-highway vehicle products coating line subject to the limitations of Section 219.204(k) of this Subpart shall apply coatings to heavy off-highway vehicle products on the subject coating line unless the requirements of subsection (d)(1) or (d)(2) of this Section are met.

1) For each coating line whichthat applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 219.204(k) of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line whichthat applies coatings subject to more than one numerical emission limitation in Section 219.204(k) of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.

e) No owner or operator of a wood furniture coating line subject to the limitations of Section 219.204(l)(l) or (l)(3) of this Subpart shall apply coatings to wood furniture on the subject coating line unless the requirements of subsection (e)(l) or (e)(2) of this Section, in addition to the requirements specified in the note to Section 219.204(l)(l) of this Subpart, are met.

 For each coating line whichthat applies multiple coatings, all of which are subject to the same numerical emission limitation within Section
 219.204(1)(1) or (1)(3) of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.67 kg/l (5.6 lbs/gal), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which that applies coatings subject to more than one numerical emission limitation in Section 219.204(1)(1) or (1)(3) of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.

f) No owner or operator of a plastic parts coating line subject to the limitations of Section 219.204(m) or (n) of this Subpart shall apply coatings to business machine or automotive/transportation plastic parts on the subject coating line unless the requirements of subsection (f)(1) or (f)(2) of this Section are met.

1) For each coating line which that applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 219.204(m) or (n) of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line whichthat applies coatings subject to more than one numerical emission limitation in Section 219.204(m) or (n) of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) must be satisfied.

g) No owner or operator of a metal furniture coating line subject to the limitations of Section 219.204(g) of this Subpart shall apply coatings on the subject coating line unless the requirements of subsection (g)(1) or (g)(2) of this Section are met:

1) For each coating line whichthat applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 219.204(g) of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.34 kg/l (2.8 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which that applies coatings subject to more than one numerical emission limitation in Section 219.204(g) of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and USEPA as a SIP revision. To receive approval, the requirements

of USEPA's Emissions Trading Policy Statement (and related policy) must be satisfied.

h) No owner or operator of a large appliance coating line subject to the limitations of Section 219.204(h) of this Subpart shall apply coatings on the subject coating line unless the requirements of subsection (h)(l) or (h)(2) of this Section are met.

1) For each coating line whichthat applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 219.204(h) of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.34 kg/l (2.8 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line whichthat applies coatings subject to more than one numerical emission limitation in Section 219.204(h) of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) must be satisfied.

i) On and after May 1, 2011, no owner or operator of a paper coating line subject to the limitations of Section 219.204(c) of this Subpart shall apply coatings on the subject coating line unless the requirements in subsection (i)(1) or (i)(2) of this Section are met:

1) For each coating line whichthat applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 219.204(c) during the same day (e.g., all coatings used on the line are subject to 0.40 kg/kg solids +(0.08 kg/kg coatings+)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used; or

2) For each coating line whichthat applies coatings subject to more than one numerical emission limitation in Section 219.204(c) during the same day, the owner or operator shall have a site-specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy), 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.

(Source: Amended at 34 Ill. Reg. ____, effective_____)

Section 219.207 Alternative Emission Limitations

a) Any owner or operator of a coating line subject to Section 219.204 of this Subpart may comply with this Section, rather than with Section 219.204 of this Subpart, if a capture system and control device are operated at all times the coating line is in operation and the owner or operator demonstrates compliance with subsection (c), (d), (e), (f), (g), (h), (i), \mathbf{or} -(j), or (k) of this Section (depending upon the source category) through the applicable coating analysis and capture system and control device efficiency test methods and procedures specified in Section 219.105 of this Part and the recordkeeping and reporting requirements specified in Section 219.211(e) of this Subpart; and the control device is equipped with the applicable monitoring equipment specified in Section 219.105(d) of this Part and the monitoring equipment is installed, calibrated, operated and maintained according to vendor specifications at all times the control device is in use. A capture system and control device, which does not demonstrate compliance with subsection (c), (d), (e), (f), (g), (h), (i), (j), or (k) of this Section may be used as an alternative to compliance with Section 219.204 of this Subpart only if the alternative is approved by the Agency and approved by the USEPA as a SIP revision.

b) Alternative Add-On Control Methodologies

1) The coating line is equipped with a capture system and control device that provides 81 percent reduction in the overall emissions of VOM from the coating line and the control device has a 90 percent efficiency, or

2) The system used to control VOM from the coating line is demonstrated to have an overall efficiency sufficient to limit VOM emissions to no more than what is allowed under Section 219.204 of this Subpart. Use of any control system other than an afterburner, carbon adsorption, condensation, or absorption scrubber system can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision. The use of transfer efficiency credits can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision. Baseline transfer efficiencies and transfer efficiency test methods must be approved by the Agency and the USEPA. Such overall efficiency is to be determined as follows:

A) Obtain the emission limitation from the appropriate subsection in Section 219.204 of this Subpart;

B) Calculate "S" according to the equation in Section 219.206 of this Subpart;

C) Calculate the overall efficiency required according to Section 219.105(e) of this Part. For the purposes of calculating this value, according to the equation in Section 219.105(e)(2) of this Part, VOM1 is equal to the value of "S" as determined above in subsection (b)(2)(B) of this Section.

c) No owner or operator of a coating line subject to only one of the emission limitations from among Section 219.204(a)(1), (a)(4), (c), (d), (e), (f), or (i), or, prior to May 1, 2011, (c) of this Subpart and equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met. No owner or operator of a coating line subject to Section 219.204(a)(2) or (a)(3) of this Part and equipped with a capture system and control device shall operate the coating line unless the owner or operator demonstrates compliance with such limitation in accordance with the topcoat protocol referenced in Section 219.105(b) of this Part.

d) No owner or operator of a miscellaneous metal parts and products coating line whichthat applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 219.204(j) of this Subpart (e.g., all coatings used on the line are subject to 0.42 kg/1 [] (3.5 lbs/gal]), and whichthat is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met.

e) No owner or operator of a heavy off-highway vehicle products coating line which that applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 219.204(k) of this Subpart (e.g., all coatings used on the line are subject to 0.42 kg/1 []
(3.5 lbs/gal), and whichthat is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met.

f) No owner or operator of a wood furniture coating line whichthat applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 219.204(1) of this Subpart (e.g., all coatings used on the line are subject to 0.67 kg/l <u>f(5.6 lbs/gal})</u>, and whichthat is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met. If compliance is achieved by meeting the requirements in subsection (b)(2) of this Section, then the provisions in the note to Section 219.204(1) of this Subpart must also be met.

g) No owner or operator of a can coating line and equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (g)(1) or (g)(2) of this Section are met.

1) An alternative daily emission limitation for the can coating operation, i.e. for all of the can coating lines at the source, shall be determined according to Section 219.205(c)(2) of this Subpart. Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation:

n Ed = Vi Ci <u>i-1</u>

where:

Ed= Actual VOM emissions for the day in units of kg/day (lbs/day); i= Subscript denoting the specific coating applied; n= Total number of surface coatings as applied in the can coating operation; Vi= Volume of each coating as applied for the day in units of 1/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); Ci= The VOM content of each coating as applied in units of kg VOM/1 (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM) andFiandFi= Fraction, by weight, of VOM emissions from the surface coating, reduced or prevented from being emitted to the ambient air. This is the overall efficiency of the capture system and control device. 2) The coating line is equipped with a capture system and control device that provide 75 percent reduction in the overall emissions of VOM from the coating line and the control device has a 90 percent efficiency.

h) No owner or operator of a plastic parts coating line which that applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 219.204(m) or (n) of this Subpart (e.g., all coatings used on the line are subject to 0.42 kg/l + (3.5 lbs/gal+)), and which that is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met.

i) Prior to May 1, 2011, **noNono** owner or operator of a metal furniture coating line whichthat applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 219.204(g) of this Subpart (e.g., all coatings used on the line are subject to 0.34 kg/l +(2.8 lbs/gal), and which that is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met.

j) Prior to May 1, 2011, noNono owner or operator of a large appliance coating line which that applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 219.204(h) of this Subpart (e.g., all coatings used on the line are subject to 0.34 kg/l $\frac{f(2.8 \text{ lbs/gal})}{f(2.8 \text{ lbs/gal})}$, and which that is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met.

k) On and after May 1, 2011, no owner or operator of a paper coating line, metal furniture coating line, or large appliance coating line whichthat is equipped with a capture system and control device shall operate the subject coating line unless either:

1) The capture system and control device provide at least 90 percent reduction in the overall emissions of VOM from the coating line; or

2) The owner or operator complies with the applicable limitation set forth in Section 219.204 of this Subpart by utilizing a combination of low-VOM coatings and a capture system and control device.

(Source: Amended at 34 Ill. Reg. ____, effective______)

Section 219.210 Compliance Schedule

Every owner or operator of a coating line (of a type included within Section 219.204 of this Subpart) shall comply with the requirements of Section 219.204, 219.205, 219.207 or 219.208 and Section 219.211 or Sections 219.212 and 219.213 of this Subpart in accordance with the appropriate compliance schedule as specified in subsection (a), (b), (c), (d), (e), or (f), or (g) below:of this Section:

a) No owner or operator of a coating line whichthat is exempt from the limitations of Section 219.204 of this Subpart because of the criteria in Section 219.208(a) or (b) of this Subpart shall operate said coating line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Section 219.211(b) of this Subpart.

b) No owner or operator of a coating line complying by means of Section 219.204 of this Subpart shall operate said coating line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 219.204 and 219.211(c) of this Subpart.

c) No owner or operator of a coating line complying by means of Section 219.205 of this Subpart shall operate said coating line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 219.205 and 219.211(d) of this Subpart.

d) No owner or operator of a coating line complying by means of Section 219.207 of this Subpart shall operate said coating line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has

complied with, and continues to comply with, Sections 219.207 and 219.211(e) of this Subpart.

e) No owner or operator of a coating line subject to one or more of the emission limitations contained in Section 219.204 of this Subpart on or after March 15, 1996, choosing to comply by means of Section 219.204, 219.205 or 219.207 of this Subpart, shall operate said coating line on or after March 15, 1996, unless the owner or operator complies with and continues to comply with, respectively, the applicable requirements in Section 219.204, or the alternative control options in Sections 219.205 or 219.207 and the requirements of Section 219.211.

f) No owner or operator of a coating line subject to one or more of the emission limitations contained in Section 219.204 of this Subpart on or after March 15, 1996, choosing to comply by means of Section 219.212 of this Subpart, shall operate said coating line on or after March 15, 1996, unless the owner or operator complies with and continues to comply with the requirements of Sections 219.212 and 219.213 of this Subpart.

g) No owner or operator of a coating line subject to the emission limitations in Section 219.204(c)(2), 219.204(g)(2), or 219.204(h)(2) of this Subpart shall operate saidthat coating line on or after a date consistent with Section 219.106(c) of this Part, unless the owner or operator has complied with, and continues to comply with, Section 219.204(c)(2), 219.204(g)(2), or 219.204(h)(2), as applicable, or the alternative control options in Section 219.205 or 219.207, and all applicable requirements in Sections 219.211 and 219.218 of this Subpart.

(Source: Amended at 34 Ill. Reg. ____, effective_____

Section 219.211 Recordkeeping and Reporting

a) The VOM content of each coating and the efficiency of each capture system and control device shall be determined by the applicable test methods and procedures specified in Section 219.105 of this Part to establish the records required under this Section.

b) Any owner or operator of a coating line which that is exempted from the limitations of Section 219.204 of this Subpart because of Section 219.208(a) or
 (b) of this Subpart shall comply with the following:

1) For sources exempt from Section 219.208(a) of this Subpart, by a date consistent with Section 219.106 of this Part, the owner or operator of a coating line or group of coating lines referenced in subsection (b) of this Section shall certify to the Agency that the coating line or group of coating lines is exempt under the provisions of Section 219.208(a) of this Subpart. Such certification shall include:

A) A declaration that the coating line is exempt from the limitations of Section 219.204 of this Subpart because of Section 219.208(a) of this Subpart; and

B) Calculations which that demonstrate that the combined VOM emissions from the coating line and all other coating lines in the same category never exceed 6.8 kg (15 lbs) per day before the application of capture systems and control devices. The following equation shall be used to calculate total VOM emissions:

where:

Te = Total VOM emissions from coating lines each day before the application of capture systems and control devices in units of kg/day (lbs/day);m = Number of coating lines at the source that otherwise would be subject to the same subsection of Section 219.104 of this Part (because they belong to the same category, e.g., can coating);j = Subscript denoting an individual coating Number of different coatings as applied each day on each coating line;n = Subscript denoting an individual coating; Ai = line;i = Weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line in units of kg VOM/l (lbs VOM/gal);Bi = Volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line in units of 1/day (gal/day). The instrument or method by which the owner or operator accurately measured or calculated the volume of each coating as applied on each coating line each day shall be described in the certification to the Agency.

2) For sources exempt under Section 219.208(b) of this Subpart, by March 15, 1998, or upon initial start-up, the owner or operator of a coating line or a group of coating lines referenced in subsection (b) of this Section shall certify to the Agency that the source is exempt under the provisions of Section 219.208(b) of this Subpart. Such certification shall include:

A) A declaration that the source is exempt from the limitations of Section 219.204(l) of this Subpart because of Section 219.208(b) of this Subpart; and

B) Calculations which demonstrate that the source meets the criteria of exemption because of Section 219.208(b) of this Subpart.

3) For sources exempt under Section 219.208(a) of this Subpart, on and after a date consistent with Section 219.106 of this Part, the owner or operator of a coating line or group of lines referenced in this subsection shall collect and record all of the following information each day for each coating line and maintain the information at the source for a period of three years:

A) The name and identification number of each coating as applied on each coating line; and

B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.

4) For sources exempt under Section 219.208(b) of this Subpart, on and after March 15, 1998, the owner or operator of a coating line or group of coating lines referenced in this subsection (b) shall collect and record all of the following information for each coating line and maintain the information at the source for a period of three years:

A) The name and identification number of each coating as applied on each coating line; and

B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied on each coating line on a monthly basis. 5) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a coating line or group of coating lines exempted from the limitations of Section 219.204 of this Subpart because of Section 219.208(a) of this Subpart shall notify the Agency of any record showing that total VOM emissions from the coating line or group of coating lines exceed 6.8 kg (15 lbs) in any day before the application of capture systems and control devices by sending a copy of such record to the Agency within 30 days after the exceedance occurs.

6) On and after March 15, 1998, any owner or operator of a source exempt from the limitations of Section 219.204(l) of this Subpart because of Section 219.208(b) of this Subpart shall notify the Agency if the source's VOM emissions exceed the limitations of Section 219.208(b) of this Subpart by sending a copy of calculations showing such an exceedance within 30 days after the change occurs.

c) Any owner or operator of a coating line subject to the limitations of Section 219.204 of this Subpart other than Section 219.204(a)(2) and (a)(3) of this Subpart and complying by means of Section 219.204 of this Subpart shall comply with the following:

1) By a date consistent with Section 219.106 of this Part, or upon initial start-up of a new coating line, or upon changing the method of compliance from an existing subject coating line from Section 219.205, Section 219.207, Section 219.215, or Section 219.216 of this Subpart to Section 219.204 of this Subpart; the owner or operator of a subject coating line shall certify to the Agency that the coating line will be in compliance with Section 219.204 of this Subpart on and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date. Such The certification shall include:

A) The name and identification number of each coating as applied on each coating line;

B) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line; and

C) On and after March 15, 1998, for coating lines subject to the limitations of Section 219.204(l)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line; -

D) For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line; and

E) For coating lines subject to the limitations of Section 219.204(g)(2) or 219.204(h)(2) of this Subpart, the application method(s)methods used to apply coatings on the subject coating line and the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applicable) as applied each day on each coating line.

2) On and after a date consistent with Section 219.106 of this Part, or on and after the initial startupstart-up date, the owner or operator of a subject coating line shall collect and record all of the following information each day for each coating line and maintain the information at the source for a period of three years: A) The name and identification number of each coating as applied on each coating line;

. . *

B) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line;

C) On and after March 15, 1998, for coating lines subject to the limitations of Section 219.204(l)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line and certified product data sheets for each coating; and

D) On and after March 15, 1998, for wood furniture coating spray booths subject to the limitation of Section 219.204(l)(4)(A) of this Subpart, the weight of VOM per weight of solids in each strippable spray booth coating as applied each day on each spray booth and certified product data sheets for each coating;-

E) For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line, and certified product data sheets for each coating; and

F) For coating lines subject to the limitations of Section 219.204(g)(2) or 219.204(h)(2) of this Subpart, the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applicable) as applied each day on each coating line, and certified product data sheets for each coating.

3) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a subject coating line shall notify the Agency in the following instances:

A) Any record showing violation of Section 219.204 of this Subpart shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.

B) At least 30 calendar days before changing the method of compliance from Section 219.204 to Section 219.205 or Section 219.207 of this Subpart, the owner or operator shall comply with all requirements of subsection (d)(1) or (e)(1) below, respectively. Upon changing the method of compliance from Section 219.204 to Section 219.205 or Section 219.207 of this Subpart, the owner or operator shall comply with all requirements of subsection (d) or (e) of this Section, respectively.

d) Any owner or operator of a coating line subject to the limitations of Section 219.204 of this Subpart and complying by means of Section 219.205 of this Subpart shall comply with the following:

1) By a date consistent with Section 219.106 of this Part, or upon initial start-up of a new coating line, or upon changing the method of compliance for an existing subject coating line from Section 219.204 or Section 219.207 to Section 219.205 of this Subpart; the owner or operator of the subject coating line shall certify to the Agency that the coating line will be in compliance with Section 219.205 on and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date. Such The certification shall include:

A) The name and identification number of each coating line which will comply by means of Section 219.205 of this Subpart.

B) The name and identification number of each coating as applied on each coating line.

5 F Y

C) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.

D) On and after March 15, 1998, for coating lines subject to the limitations of Section 219.204(l)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line.

E) For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line.

F) For coating lines subject to the limitations of Section 219.204(g)(2) or 219.204(h)(2) of this Subpart, the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applicable) as applied each day on each coating line.

GEG) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating as applied each day on each coating line.

HFH) The method by which the owner or operator will create and maintain records each day as required in subsection (d)(2) of this Section.

IGI) An example of the format in which the records required in subsection (d)(2) of this Section will be kept.

2) On and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date, the owner or operator of a subject coating line shall collect and record all of the following information each day for each coating line and maintain the information at the source for a period of three years:

A) The name and identification number of each coating as applied on each coating line.

B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.

C) On and after March 15, 1998, for coating lines subject to the limitations of Section 219.204(l)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line.

D) For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line.

E) For coating lines subject to the limitations of Section 219.204(g)(2) or 219.204(h)(2) of this Subpart, the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applicable) as applied each day on each coating line.

FDE) The daily-weighted average VOM content of all coatings as applied on each coating line as defined in Section 219.104 of this Part.

3) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a subject coating line shall notify the Agency in the following instances:

A) Any record showing violation of Section 219.205 of this Subpart shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.

B) At least 30 calendar days before changing the method of compliance with this Subpart from Section 219.205 to Section 219.204 or Section 219.207 of this Subpart, the owner or operator shall comply with all requirements of subsection (c)(1) or (e)(1) of this Section, respectively. Upon changing the method of compliance with this Subpart from Section 219.205 to Section 219.204 or Section 219.207 of this Subpart, the owner or operator shall comply with all requirements of subsection (c) or (e) of this Section, respectively.

e) Any owner or operator of a coating line subject to the limitations of Section 219.207 and complying by means of Section 219.207(c), (d), (e), (f), (g), or (h), or (k) of this Subpart shall comply with the following:

1) By a date consistent with Section 219.106 of this Part, or upon initial start-up of a new coating line, or upon changing the method of compliance for an existing coating line from Section 219.204 or Section 219.205 to Section 219.207 of this Subpart, the owner or operator of the subject coating line shall perform all tests and submit to the Agency the results of all tests and calculations necessary to demonstrate that the subject coating line will be in compliance with Section 219.207 of this Subpart on and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date.

2) On and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date, the owner or operator of a subject coating line shall collect and record all of the following information each day for each coating line and maintain the information at the source for a period of three years:

A) The weight of VOM per volume of coating solids as applied each day on each coating line, if complying pursuant to Section 219.207(b)(2) of this Subpart.

B) Control device monitoring data.

7 1 5

C) A log of operating time for the capture system, control device, monitoring equipment and the associated coating line.

D) A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.

3) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a subject coating line shall notify the Agency in the following instances:

. / 1

A) Any record showing violation of Section 219.207 of this Subpart shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.

B) At least 30 calendar days before changing the method of compliance with this Subpart from Section 219.207 to Section 219.204 or Section 219.205 of this Subpart, the owner or operator shall comply with all requirements of subsection (c)(1) or (d)(1) of this Section, respectively. Upon changing the method of compliance with this Subpart Part from Section 219.207 to Section 219.204 or Section 219.205 of this Subpart, the owner or operator shall comply with all requirements of subsection (c) or (d) of this Section (c) or (d) of this Section 219.205 of this Subpart.

f) Any owner or operator of a primer surfacer operation or topcoat operation subject to the limitations of Section 219.204(a)(2) or (a)(3) of this Subpart shall comply with the following:

1) By a date consistent with Section 219.106 of this Part, or upon initial startupstart-up of a new coating operation, the owner or operator of a subject coating operation shall certify to the Agency that the operation will be in compliance with Section 219.204 of this Subpart on and after a date consistent with Section 219.106 of this Part, or on and after the initial startupstart-up date. Such The certification shall include:

A) The name and identification number of each coating operation which will comply by means of Section 219.204(a)(2) and (a)(3) of this Subpart and the name and identification number of each coating line in each coating operation.

B) The name and identification number of each coating as applied on each coating line in the coating operation.

C) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.

D) The transfer efficiency and control efficiency measured for each coating line.

E) Test reports, including raw data and calculations documenting the testing performed to measure transfer efficiency and control efficiency.

F) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating as applied each day on each coating line.

G) The method by which the owner or operator will create and maintain records each day as required in subsection (f)(2) below.of this Section.

H) An example format for presenting the records required in subsection (f)(2) below of this Section.

2) On and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date, the owner or operator of a subject coating operation shall collect and record all of the following information each day for each topcoat or primer surfacer coating operation and maintain the information at the source for a period of three years:

1 1 1

A) All information necessary to calculate the daily-weighted average VOM emissions from the coating operations in kg (lbs) per 1 (gal) of coating solids deposited in accordance with the proposal submitted, and approved pursuant to Section 219.204(a)(2) or (a)(3) of this Subpart including:

i) The name and identification number of each coating as applied on each coating operation.

ii) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating operation.

B) If a control device (s) is or devices are used to control VOM emissions, control device monitoring data; a log of operating time for the capture system, control device, monitoring equipment and the associated coating operation; and a maintenance log for the capture system, control device and monitoring equipment, detailing all routine and non-routine maintenance performed including dates and duration of any outages.

3) On and after a date consistent with Section 219.106 of this Part or on and after the initial startupstart-up date, the owner or operator of a subject coating operation shall determine and record the daily VOM emissions in kg (lbs) per 1 (gal) of coating solids deposited in accordance with the proposal submitted and approved pursuant to Section 219.204(a)(2) or (a)(3) of this Subpart within 10 days from the end of the month and maintain this information at the source for a period of three years.

4) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a subject coating operation shall notify the Agency in the following instances:

A) Any record showing a violation of Section 219.204(a)(2) or (a)(3) of this Subpart shall be reported by sending a copy of such record to the Agency within 15 days from the end of the month in which the violation occurred.

B) The owner or operator shall notify the Agency of any change to the operation at least 30 days before the change is **affectedeffected**. The Agency shall determine whether or not compliance testing is required. If the Agency determines that compliance testing is required, then the owner or operator shall submit a testing proposal to the Agency within 30 days and test within 30 days of the approval of the proposal by the Agency and USEPA.

g) On and after a date consistent with Section 219.106(c) of this Part, or on and after the initial start-up date, whichever is later, the owner or operator of a coating line subject to the requirements of Section 219.218 of this Subpart shall comply with the following:

1) By May 1, 2011, or upon initial start-up, whichever is later, submit a certification to the Agency that includes a description of the practices and procedures that the source will follow to ensure compliance with the applicable requirements in Section 219.218 of this Subpart;

2) Notify the Agency of any violation of Section 219.218 of this Subpart by providing a description of the violation and copies of records documenting

suchthe violation to the Agency within 30 days following the occurrence of the violation; and

Maintain at the source all records required by this subsection (g) 3) for a minimum of three years from the date the document was created and make suchthose records available to the Agency upon request.

(Source: Amended at 34 Ill. Reg. ____, effective____

Section 219.212 Cross-Line Averaging to Establish Compliance for Coating Lines

On and after March 15, 1996, any owner or operator of a coating line a) subject to the limitations set forth in Section 219.204 of this Subpart, except coating lines subject to the limitations in Section 219.204(c)(2), (g)(2), or (h) (2) of this Subpart, and with coating lines in operation prior to January 1, 1991 ("pre-existing coating lines"), may, for pre-existing coating lines only, elect to comply with the requirements of this Section, rather than complying with the applicable emission limitations set forth in Section 219.204, if an operational change of the type described below has been made after January 1, 1991, to one or more pre-existing coating lines at the source. An operational change occurs when a pre-existing coating line is replaced with a line using lower VOM coating for the same purpose as the replaced line ("replacement line"). A source electing to rely on this Section to demonstrate compliance with the requirements of this Subpart shall operate pursuant to federally enforceable permit conditions approved by the Agency and USEPA.

b) An owner or operator of pre-existing coating lines subject to a VOM content limitation in Section 219.204 of this Subpart and electing to rely on this Section to demonstrate compliance with this Subpart must establish, by use of the equations in subsection (d) of this Section, that the calculated actual daily VOM emissions from all participating coating lines, as defined below, are less than the calculated daily allowable VOM emissions from the same group of coating lines. For any pre-existing coating line to be aggregated for the purposes of Section 219.212, 219.213, or 219.214 of this Subpart ("participating coating lines"), the source must establish that:

1) All coatings applied on the participating coating line shall, at all times, have a VOM content less than or equal to the applicable VOM content limitation for such coating listed in Appendix H of this Part; and

On the date the source elects to rely on this Section to demonstrate 2) compliance with this Subpart, all coatings applied on the participating coating line are not already in compliance with the VOM content limitation for such coating effective on or after March 15, 1996; or the participating coating line is a replacement line, as defined in subsection (a) of this Section with an operational change occurring on or after January 1, 1991.

Notwithstanding subsection (a) of this Section, any owner or operator of a c) coating line subject to the limitations set forth in Section 219.204 of this Subpart and electing to rely on this Section to demonstrate compliance with this Subpart, may also include as a participating coating line, until December 31, 1999, only, any replacement line that satisfies all of the following conditions:

The replacement line is operated as a powder coating line; 1)

The replacement line was added after July 1, 1988; and 2)

3) The owner or operator also includes as a participating coating line one or more coating lines that satisfy the criteria of a replacement line, as described in subsection (a) of this Section.

d) To demonstrate compliance with this Section, a source shall establish the following:

1) An alternative daily emission limitation shall be determined for all participating coating lines at the source according to subsection (d)(2) of this Section. All participating coating lines shall be factored in each day to demonstrate compliance. Provided compliance is established pursuant to the requirements in this subsection, nothing in this Section requires daily operation of each participating line. Actual daily emissions from all participating coating lines (Ed) shall never exceed the alternative daily emission limitation (Ad) and shall be calculated by use of the following equation:

Vi Ci Ed int

where:

7 67 4

Ed = Actual daily VOM emissions from participating coating lines in units of kg/day (lbs/day);i = Subscript denoting a specific coating applied;n = Total number of coatings applied by all participating coating lines at the source;Vi ==Volume of each coating applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); andCi = andCi=The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).

2) The alternative daily emission limitation (Ad) shall be determined for all participating coating lines at the source on a daily basis as follows:

Ad=Al + Ap

where Al and Ap are defined in subsections $(\underline{d})(2)(A)$ and $(\underline{d})(2)(B)$ of this subsection.

A) The portion of the alternative daily emissions limitation for coating operations at a source using non-powder coating (Al) shall be determined for all such participating non-powder coating lines on a daily basis as follows:



where:

Ai = The VOM emissions allowed for the day in units of kg/day (lbs/day); I = <u>i=</u>Subscript denoting a specific coating applied; n = Total number of coatings applied <u>in theby all</u> participating coating lines<u>at the source</u>; Ci = The VOM content of each coating as

applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); Di = The density of VOM in each coating applied. For the purposes of calculating Al, Ai, the density is 0.882 kg VOM/1 VOM (7.36 lbs VOM/gal VOM); Vi Volume of each coating applied = for the day in units of 1 (gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); coating applied, as specified in Section 219.204 of this Subpart, in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM). The portion of the alternative daily emission limitation for coating B) operations at a source using powdered coating (Ap) shall be determined for all such participating powder coating lines at the source on a daily basis as follows:

Vi Lj Dj Kh Ap -2 ?____ h=1 j=1 (Dj - Lj)

where:

The VOM emissions allowed for the day in units of Ap = Subscript denoting a specific powder coating kg/day (lbs/day); h j = Subscript denoting a specific powder coating applied; line; Total number of participating powder coating lines; m Total number of powder coatings applied in the participating Dj The assumed density of VOM in liquid coating lines; = VOM/l VOM (7.36 lbs VOM/gal VOM); coating, 0.882 kg Vj = Volume of each powder coating consumed for the day in units of 1 (gal) of Lj = The VOM emission limitation for each coating coating; specified in Section 219.204 of this Subpart, in units of kg applied, as VOM/1 (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); and K the ratio <u>andK=A</u> constant for each individual coating line representing of the volume of coating solids consumed on the liquid coating system which has been replaced to the volume of powder coating consumed on the replacement line to accomplish the same coating job. This value shall be determined by the source based on tests conducted and records maintained pursuant to the requirements of Section 219.213 of this Subpart demonstrating the amount of coating solids consumed as both liquid and powder. Tests methods and recordkeeping requirements shall be approved by the Agency and USEPA and contained in the source's operating permit as federally enforceable permit conditions, subject to the following restrictions:i) K cannot exceed 0.9 for non-recycled powder coating systems; oriiorii) K cannot exceed 2.0 for recycled powder coating systems.

(Source: Amended at 34 Ill. Reg. ____, effective_____

Section 219.218 Work Practice Standards for Paper Coatings, Metal Furniture Coatings, and Large Appliance Coatings

a) On and after May 1, 2011, every owner or operator of a source subject to the requirements of Section 219.204(c) of this Subpart shall:

1 10 9

1) Store all VOM-containing cleaning materials in closed

containers;

1 = 1

2) Ensure that mixing and storage containers used for VOM-containing materials are kept closed at all times except when depositing or removing suchthose materials;

3) Minimize spills of VOM-containing cleaning materials;

4) Convey VOM-containing cleaning materials from one location to another in closed containers or pipes; and

5) Minimize VOM emissions from the cleaning of storage, mixing, and conveying equipment.

b) On and after May 1, 2011, every owner or operator of a source subject to the requirements of Section 219.204(g) or 219.204(h) of this Subpart shall:

1) Store all VOM-containing coatings, thinners, coating-related waste materials, cleaning materials, and used shop towels in closed containers;

2) Ensure that mixing and storage containers used for VOM-containing coatings, thinners, coating-related waste materials, and cleaning materials are kept closed at all times except when depositing or removing <u>suchthose</u> materials;

3) Minimize spills of VOM-containing coatings, thinners, coating-related waste materials, and cleaning materials, and clean up spills immediately;

4) Convey VOM-containing coatings, thinners, coating-related waste materials, and cleaning materials from one location to another in closed containers or pipes; and

5) Minimize VOM emissions from the cleaning of storage, mixing, and conveying equipment.

(Source: Added at 34 Ill. Reg. _____, effective_____)
ILLINOIS REGISTER

JCAR350219-0916460r01

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Document comparison done by DeltaView on Friday, November 13, 2009 1:48:22 PM

input.			
Document 1	file://Y:/Input/35-219-Agency(issue47).doc		
Document 2	file://Y:/Input/35-219-JCARr01(iss47).doc		
Rendering set	Standard		

Legend:	
Insertion	
Deletion-	
Moved from	
Moved to	
Style change	
Format change	
Moved deletion	
Inserted cell	
Deleted cell	
Moved cell	
Split/Merged cell	
Padding cell	

Statistics:			
	Count		
Insertions	176		
Deletions	239		
Moved from	0		
Moved to	0		
Style change	0		
Format changed	0		
Total changes	415		

1ST NOTICE VERSION

1		TITLE 35: ENVIRONMENTAL PROTECTION
2		SUBTITLE B: AIR POLLUTION
3		CHAPTER I: POLLUTION CONTROL BOARD
4		SUBCHAPTER c: EMISSIONS STANDARDS AND LIMITATIONS
5		FOR STATIONARY SOURCES
6		
7		PART 219
8		ORGANIC MATERIAL EMISSION STANDARDS AND LIMITATIONS
9		FOR THE METRO EAST AREA
10		
11		SUBPART A: GENERAL PROVISIONS
12		
13	Section	
14	219.100	Introduction
15	219.101	Savings Clause
16	219.102	Abbreviations and Conversion Factors
17	219.103	Applicability
18	219.104	Definitions
19	219.105	Test Methods and Procedures
20	219.106	Compliance Dates
21	219.107	Operation of Afterburners
22	219.108	Exemptions, Variations, and Alternative Means of Control or Compliance
23		Determinations
24	219.109	Vapor Pressure of Volatile Organic Liquids
25	219.110	Vapor Pressure of Organic Material or Solvent
26	219.111	Vapor Pressure of Volatile Organic Material
27	219.112	Incorporations by Reference
28	219.113	Monitoring for Negligibly-Reactive Compounds
29		
30	SUBPAI	RT B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS
31		
32	Section	
33	219.119	Applicability for VOL
34	219.120	Control Requirements for Storage Containers of VOL
35	219.121	Storage Containers of VPL
36	219.122	Loading Operations
37	219.123	Petroleum Liquid Storage Tanks
38	219.124	External Floating Roofs
39	219.125	Compliance Dates
40	219.126	Compliance Plan (Repealed)
41	219.127	Testing VOL Operations
42	219.128	Monitoring VOL Operations
43	219.129	Recordkeeping and Reporting for VOL Operations

1 den

44		
45	SOBE	ART C: ORGANIC EMISSIONS FROM MISCELLANEOUS EQUIPMENT
40	Section	
4/	Section	Conception On eaching
48	219.141	Separation Operations
49	219.142	Pumps and Compressors
50	219.143	Vapor Blowdown
51	219.144	Safety Relief Valves
52		
53		SUBPART E: SOLVENT CLEANING
54	o <i>i</i> :	
3 3	Section	
50	219.181	Solvent Cleaning in General
57	219.182	Cold Cleaning
58	219.183	Open Top Vapor Degreasing
59	219.184	Conveyorized Degreasing
60	219.185	Compliance Schedule (Repealed)
61	219.186	Test Methods
62		
63		SUBPART F: COATING OPERATIONS
64	~ .	
65	Section	
66	219.204	Emission Limitations
67	219.205	Daily-Weighted Average Limitations
68	219.206	Solids Basis Calculation
69	219.207	Alternative Emission Limitations
70	219.208	Exemptions From Emission Limitations
71	219.209	Exemption From General Rule on Use of Organic Material
72	219.210	Compliance Schedule
73	219.211	Recordkeeping and Reporting
74	219.212	Cross-Line Averaging to Establish Compliance for Coating Lines
75	219.213	Recordkeeping and Reporting for Cross-Line Averaging Participating Coating
76		Lines
77	219.214	Changing Compliance Methods
78	219.215	Wood Furniture Coating Averaging Approach
79	219.216	Wood Furniture Coating Add-On Control Use
80	219.217	Wood Furniture Coating Work Practice Standards
81	<u>219.218</u>	Work Practice Standards for Paper Coatings, Metal Furniture Coatings, and Large
82		Appliance Coatings
83		
84		SUBPART G: USE OF ORGANIC MATERIAL
85		
86	Section	

a 0

87	219.301	Use of Organic Material
88	219.302	Alternative Standard
89	219.303	Fuel Combustion Emission Units
90	219.304	Operations with Compliance Program
91		
92		SUBPART H: PRINTING AND PUBLISHING
93		
94	Section	
95	219.401	Flexographic and Rotogravure Printing
96	219.402	Applicability
97	219.403	Compliance Schedule
98	219.404	Recordkeeping and Reporting
99	219.405	Lithographic Printing: Applicability
100	219.406	Provisions Applying to Heatset Web Offset Lithographic Printing Prior to March
101		15, 1996
102	219.407	Emission Limitations and Control Requirements for Lithographic Printing Lines
103		On and After March 15, 1996
104	219.408	Compliance Schedule for Lithographic Printing On and After March 15, 1996
105	219.409	Testing for Lithographic Printing On and After March 15, 1996
106	219.410	Monitoring Requirements for Lithographic Printing
107	219.411	Recordkeeping and Reporting for Lithographic Printing
108		
109		SUBPART Q: SYNTHETIC ORGANIC CHEMICAL AND
110		POLYMER MANUFACTURING PLANT
111		
112	Section	
113	219.421	General Requirements
114	219.422	Inspection Program Plan for Leaks
115	219.423	Inspection Program for Leaks
116	219.424	Repairing Leaks
117	219.425	Recordkeeping for Leaks
118	219.426	Report for Leaks
119	219.427	Alternative Program for Leaks
120	219.428	Open-Ended Valves
121	219.429	Standards for Control Devices
122	219.430	Compliance Date (Repealed)
123	219.431	Applicability
124	219.432	Control Requirements
125	219.433	Performance and Testing Requirements
126	219.434	Monitoring Requirements
127	219.435	Recordkeeping and Reporting Requirements
128	219.436	Compliance Date
129		

n,

.

130		SUBPART R: PETROLEUM REFINING AND
131		RELATED INDUSTRIES: ASPHALT MATERIALS
132		
133	Section	
134	219.441	Petroleum Refinery Waste Gas Disposal
135	219.442	Vacuum Producing Systems
136	219.443	Wastewater (Oil/Water) Separator
137	219 444	Process Unit Turnarounds
138	219.445	Leaks: General Requirements
139	219.145	Monitoring Program Plan for Leaks
140	219.110	Monitoring Program for Leaks
140	219.447	Record keeping for Leaks
141	219.440	Reporting for Leaks
142	219.449	Alternative Program for Leaks
145	210.450	Sealing Device Requirements
144	219.451	Compliance Schedule for Leaks
145	219.452	Compliance Schedule for Leaks
140	219.433	Compliance Dates (Repeated)
14/		STIDDADT S. DI IDDED AND MISCEI I ANEOLIS DI ASTIC DDODUCTS
140		SUDPART 5. RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS
149	Castian	
150		Manufacture of Drouwestic Duthan Times
151	219.401	Manufacture of Pheumatic Rubber Tires
152	219.462	Green Tire Spraying Operations
153	219.463	Alternative Emission Reduction Systems
154	219.464	Emission Testing
155	219.465	Compliance Dates (Repealed)
156	219.466	Compliance Plan (Repealed)
157		
158		SUBPART T: PHARMACEUTICAL MANUFACTURING
159	~ .	
160	Section	
161	219.480	Applicability
162	219.481	Control of Reactors, Distillation Units, Crystallizers, Centrifuges and Vacuum
163		Dryers
164	219.482	Control of Air Dryers, Production Equipment Exhaust Systems and Filters
165	219.483	Material Storage and Transfer
166	219.484	In-Process Tanks
167	219.485	Leaks
168	219.486	Other Emission Units
169	219.487	Testing
170	219.488	Monitoring for Air Pollution Control Equipment
171	219.489	Recordkeeping for Air Pollution Control Equipment
172		

173	S	UBPART V: BATCH OPERATIONS AND AIR OXIDATION PROCESSES
174		
175	Section	
176	219.500	Applicability for Batch Operations
177	219.501	Control Requirements for Batch Operations
178	219.502	Determination of Uncontrolled Total Annual Mass Emissions and Actual
179		Weighted Average Flow Rate Values for Batch Operations
180	219.503	Performance and Testing Requirements for Batch Operations
181	219.504	Monitoring Requirements for Batch Operations
182	219.505	Reporting and Recordkeeping for Batch Operations
183	219.506	Compliance Date
184	219.520	Emission Limitations for Air Oxidation Processes
185	219.521	Definitions (Repealed)
186	219.522	Savings Clause
187	219.523	Compliance
188	219.524	Determination of Applicability
189	219.525	Emission Limitations for Air Oxidation Processes (Renumbered)
190	219.526	Testing and Monitoring
191	219.527	Compliance Date (Repealed)
192		
193		SUBPART W: AGRICULTURE
194		
195	Section	
196	219.541	Pesticide Exception
197		
198		SUBPART X: CONSTRUCTION
199		
200	Section	
201	219.561	Architectural Coatings
202	219.562	Paving Operations
203	219.563	Cutback Asphalt
204		
205		SUBPART Y: GASOLINE DISTRIBUTION
206		
207	Section	
208	219.581	Bulk Gasoline Plants
209	219.582	Bulk Gasoline Terminals
210	219.583	Gasoline Dispensing Operations – Storage Tank Filling Operations
211	219.584	Gasoline Delivery Vessels
212	219.585	Gasoline Volatility Standards
213	219.586	Gasoline Dispensing Operations – Motor Vehicle Fueling Operations (Repealed)
214		
215		SUBPART Z: DRY CLEANERS

ж (ү)

216		
217	Section	
218	219.601	Perchloroethylene Dry Cleaners (Repealed)
219	219.602	Exemptions (Repealed)
220	219.603	Leaks (Repealed)
221	219.604	Compliance Dates (Repealed)
222	219.605	Compliance Plan (Repealed)
223	219.606	Exception to Compliance Plan (Repealed)
224	219.607	Standards for Petroleum Solvent Dry Cleaners
225	219.608	Operating Practices for Petroleum Solvent Dry Cleaners
226	219.609	Program for Inspection and Repair of Leaks
227	219.610	Testing and Monitoring
228	219.611	Exemption for Petroleum Solvent Dry Cleaners
229	219.612	Compliance Dates (Repealed)
230	219.613	Compliance Plan (Repealed)
231		
232		SUBPART AA: PAINT AND INK MANUFACTURING
233		
234	Section	
235	219.620	Applicability
236	219.621	Exemption for Waterbase Material and Heatset-Offset Ink
237	219.623	Permit Conditions
238	219.624	Open-Top Mills, Tanks, Vats or Vessels
239	219.625	Grinding Mills
240	219.626	Storage Tanks
241	219.628	Leaks
242	219.630	Clean Up
243	219.636	Compliance Schedule
244	219.637	Recordkeeping and Reporting
245		
246		SUBPART BB: POLYSTYRENE PLANTS
247		
248	Section	
249	219.640	Applicability
250	219.642	Emissions Limitation at Polystyrene Plants
251	219.644	Emissions Testing
252		
253		SUBPART FF: BAKERY OVENS
254		
255	Section	
256	219.720	Applicability (Repealed)
257	219.722	Control Requirements (Repealed)
258	219.726	Testing (Repealed)

.

259	219.727	Monitoring (Repealed)
260	219.728	Recordkeeping and Reporting (Repealed)
261	219.729	Compliance Date (Repealed)
262	219.730	Certification (Repealed)
263		
264		SUBPART GG: MARINE TERMINALS
265		
266	Section	
267	219.760	Applicability
268	219.762	Control Requirements
269	219.764	Compliance Certification
270	219.766	Leaks
271	219.768	Testing and Monitoring
272	219.770	Recordkeeping and Reporting
273		
274		SUBPART HH: MOTOR VEHICLE REFINISHING
275		
276	Section	
277	219.780	Emission Limitations
278	219.782	Alternative Control Requirements
279	219.784	Equipment Specifications
280	219.786	Surface Preparation Materials
281	219.787	Work Practices
282	219.788	Testing
283	219.789	Monitoring and Recordkeeping for Control Devices
284	219.790	General Recordkeeping and Reporting (Repealed)
285	219.791	Compliance Date
286	219.792	Registration
287	219.875	Applicability of Subpart BB (Renumbered)
288	219.877	Emissions Limitation at Polystyrene Plants (Renumbered)
289	219.879	Compliance Date (Repealed)
290	219.881	Compliance Plan (Repealed)
291	219.883	Special Requirements for Compliance Plan (Repealed)
292	219.886	Emissions Testing (Renumbered)
293		
294		SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT
295		MANUFACTURING PROCESSES
296		
297	Section	
298	219.920	Applicability
299	219.923	Permit Conditions
300	219.926	Control Requirements
301	219.927	Compliance Schedule

.

302	219.928	Testi	ng
303			
304			SUBPART QQ: MISCELLANEOUS FORMULATION
305	MANUFACTURING PROCESSES		
306			
307	Section		
308	219.940	Appl	icability
309	219.943	Perm	it Conditions
310	219.946	Cont	rol Requirements
311	219.947	Com	bliance Schedule
312	219.948	Testi	ng
313			
314		SU	BPART RR: MISCELLANEOUS ORGANIC CHEMICAL
315			MANUFACTURING PROCESSES
316			
317	Section		
318	219.960	Appli	cability
319	219.963	Perm	it Conditions
320	219.966	Contr	ol Requirements
321	219.967	Com	bliance Schedule
322	219.968	Testi	יבייבי ב- ב ופ
323			~0
324			SUBPART TT: OTHER EMISSION UNITS
325			
326	Section		
327	219 980	Annli	cability
328	219.983	Perm	it Conditions
329	219.986	Contr	ol Requirements
330	219 987	Com	liance Schedule
331	219.987	Testi	na no
332	217.700	10000	*5
333		S	UBPART LILL RECORD KEEPING AND REPORTING
334		5	
335	Section		
336	219 990	Frem	nt Emission Units
337	219.990	Subie	ct Emission Units
338	217.771	Bubje	
330	210 APPEN		List of Chemicals Defining Synthetic Organic Chemical and Polymer
340	217.ATTEN		Manufacturing
3/1	210 ADDEN		VOM Measurement Techniques for Conture Efficiency (Denceled)
347	217.ATTEN 210 ADDEN		Reference Methods and Procedures
3/12	217.AFFEN 210 ADDEN		Coefficients for the Total Resource Effectiveness Index (TDE) Equation
242	217.AFFEN		List of Affected Marine Terminals
244	217.AFFEIN	DIAE	LISE OF ATTECTED WATTIE TETTITIAS

a ar

345 219. APPENDIX G TRE Index Measurements for SOCMI Reactors and Distillation Units 346 219.APPENDIX H Baseline VOM Content Limitations for Subpart F, Section 219.212 Cross-347 Line Averaging 348 349 AUTHORITY: Implementing Section 10 and authorized by Sections 27, 28 and 28.5 of the 350 Environmental Protection Act [415 ILCS 5/10, 27, 28 and 28.5]. 351 352 SOURCE: Adopted in R91-8 at 15 Ill. Reg. 12491, effective August 16, 1991; amended in R91-353 24 at 16 Ill. Reg. 13597, effective August 24, 1992; amended in R91-30 at 16 Ill. Reg. 13883, 354 effective August 24, 1992; emergency amendment in R93-12 at 17 Ill. Reg. 8295, effective May 24, 1993, for a maximum of 150 days; amended in R93-9 at 17 Ill. Reg. 16918, effective 355 September 27, 1993 and October 21, 1993; amended in R93-28 at 18 Ill. Reg. 4242, effective 356 March 3, 1994; amended in R94-12 at 18 Ill. Reg. 14987, effective September 21, 1994; 357 358 amended in R94-15 at 18 Ill. Reg. 16415, effective October 25, 1994; amended in R94-16 at 18 359 Ill. Reg. 16980, effective November 15, 1994; emergency amendment in R95-10 at 19 Ill. Reg. 360 3059, effective February 28, 1995, for a maximum of 150 days; amended in R94-21, R94-31 and 361 R94-32 at 19 Ill. Reg. 6958, effective May 9, 1995; amended in R94-33 at 19 Ill. Reg. 7385, 362 effective May 22, 1995; amended in R96-2 at 20 Ill. Reg. 3848, effective February 15, 1996; 363 amended in R96-13 at 20 Ill. Reg. 14462, effective October 28, 1996; amended in R97-24 at 21 364 Ill. Reg. 7721, effective June 9, 1997; amended in R97-31 at 22 Ill. Reg. 3517, effective 365 February 2, 1998; amended in R04-12/20 at 30 Ill. Reg. 9799, effective May 15, 2006; amended in R06-21 at 31 Ill. Reg. 7110, effective April 30, 2007; amended in R10-10 at 34 Ill. Reg. 366 ____, effective _____. 367 368 369 SUBPART A: GENERAL PROVISIONS 370 371 Section 219.106 Compliance Dates 372 373 a) Except as provided in subsection (b) below, compliance with the requirements of 374 this Part is required by May 15, 1992, consistent with the provisions of Section 219.103 of this Part. 375 376 As this Part is amended from time to time, compliance dates included in the 377 **b**) specific Subparts supersede the requirements of this Section except as limited by 378 379 Section 219.101(b) of this Subpart. 380 381 <u>c)</u> Any owner or operator of a source subject to the requirements of Section 382 219.204(c)(2), 219.204(g)(2), or 219.204(h)(2) of this Part shall comply with the 383 applicable requirements in the applicable subsections, as well as all applicable 384 requirements in Sections 219.205 through 219.214 and 219.218, by May 1, 2011. 385 (Source: Amended at 34 Ill. Reg. ____, effective) 386 387

.

SUBPART F: COATING OPERATIONS

390 Section 219.204 Emission Limitations

392 Except as provided in Sections 219.205, 219.207, 219.208, 219.212, 219.215 and 219.216 of this 393 Subpart, no owner or operator of a coating line shall apply at any time any coating in which the 394 VOM content exceeds the following emission limitations for the specified coating. Except as 395 otherwise provided in Section 219.204(c), 219.204(g), 219.204(h), and Section 219.204(l), 396 compliance with the emission limitations marked with an asterisk in this Section is required on 397 and after March 15, 1996, and compliance with emission limitations not marked with an asterisk 398 is required until March 15, 1996. The following emission limitations are expressed in units of 399 VOM per volume of coating (minus water and any compounds which are specifically exempted 400 from the definition of VOM) as applied at each coating applicator, except where noted. 401 Compounds which are specifically exempted from the definition of VOM should be treated as 402 water for the purpose of calculating the "less water" part of the coating composition. Compliance 403 with this Subpart must be demonstrated through the applicable coating analysis test methods and 404 procedures specified in Section 219.105(a) of this Part and the recordkeeping and reporting 405 requirements specified in Section 219.211(c) of this Subpart except where noted. (Note: The 406 equation presented in Section 219.206 of this Part shall be used to calculate emission limitations 407 for determining compliance by add-on controls, credits for transfer efficiency, emissions trades and cross-line averaging.) The emission limitations are as follows: 408

409

410

*

388

389

391

a)	Automobile or Light-Duty Truck Coating		kg/l	lb/gal	
	1)	Prime coat	0.14 0.14*	(1.2) (1.2)*	
	2)	Primer surface coat	1.81 1.81*	(15.1) (15.1)*	

411 (Note: The primer surface coat limitation is in units of kg (lbs) of VOM per l (gal) 412 of coating solids deposited. Compliance with the limitation shall be based on the daily-weighted average from an entire primer surface operation. Compliance shall 413 414 be demonstrated in accordance with the topcoat protocol referenced in Section 219.105(b) and the recordkeeping and reporting requirements specified in Section 415 219.211(f). Testing to demonstrate compliance shall be performed in accordance 416 417 with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. 418 Section 219.205 does not apply to the primer surface limitation.) 419 420

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

422 423 424 425 426 427 428 429 430 431		(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 219.105(b) of this Part and the recordkeeping and reporting requirements specified in Section 219.211(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 219.205 of this Part does not apply to the topcoat limitation.			
151		4)	Final repair coat	kg/l 0.58 0.58*	lb/gal (4.8) (4.8)*
432	b)	Can	Coating	kg/l	lb/gal
		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)*
422		6)	End sealing compound coat	0.44 0.44*	(3.7) (3.7)*
433	c)	Paper	r Coating	kg/l	lb/gal

				0.35 0.28*	(2.9) (2.3)*
	<u>1)</u>	Prio	<u>r to May 1, 2011:</u>	<u>kg/1</u> 0.28	<u>lb/gal</u> (2.3)
	<u>2)</u>	<u>On a</u>	nd after May 1, 2011:	<u>kg VOM/kg</u> (<u>lb VOM/lb)</u> solids applied	kg VOM/kg (<u>lb VOM/lb)</u> coatings applied
		<u>A)</u>	Pressure sensitive tape and label surface coatings	<u>0.20</u>	<u>(0.067)</u>
		<u>B)</u>	All other paper coatings	<u>0.40</u>	<u>(0.08)</u>
	paper c paper c this Par is regul <u>coating</u> <u>digital</u>	oating ct. In a ated u limita printin es app	line complies with the emission addition, screen printing on pap nder Subpart TT of this Part. <u>C</u> <u>stion shall also not apply to coa</u> <u>g press, or to size presses and c</u> <u>lying sizing or water-based cla</u>	Ins limitations in Second series not regulated on and after May 1. <u>Second after May 1.</u> <u>Secon-machine coaters</u> <u>ys.</u>)	ction 219.401 of as paper coating, but <u>2011, the paper</u> or in-line with any on papermaking
d)	Coil C	coating		kg/l 0.31 0.20*	lb/gal (2.6) (1.7)*
e)	Fabric	Coati	ng	0.35 0.28*	(2.9) (2.3)*
f)	Vinyl	Coatir	ng	0.45 0.28*	(3.8) (2.3)*
g)	Metal	Furnit	ure Coating		
	<u>1)</u>	<u>Prio</u>	<u>to May 1, 2011:</u>	<u>kg/l</u>	<u>lb/gal</u>
		<u>A)</u>	Air Dried	<u>0.34</u>	<u>(2.8)</u>
		B)	Baked	0.28	(2 3)

<u>A)</u>	General, One Component	<u>0.275</u> (2.3)	<u>0.40</u> (3.3)
<u>B)</u>	General, Multi-Component		
	i) <u>Air Dried</u>	<u>0.340</u> (2.8)	<u>0.55</u> (4.5)
	ii) Baked	<u>0.360</u> (3.0)	<u>0.61</u> (5.1)
<u>C)</u>	Extreme High Gloss		
	i) <u>Air Dried</u>	<u>0.340</u> (2.8)	<u>0.55</u> (4.5)
	ii) <u>Baked</u>	<u>0.360</u> (3.0)	<u>0.61</u> (5.1)
<u>D)</u>	Extreme Performance		
	i) <u>Air Dried</u>	<u>0.420</u> (3.5)	<u>0.80</u> (6.7)
	ii) Baked	<u>0.360</u> (3.0)	<u>0.61</u> (5.1)
<u>E)</u>	Heat Resistant		
	i) <u>Air Dried</u>	<u>0.420</u> (3.5)	<u>0.80</u> (6.7)
	ii) Baked	<u>0.360</u> (3.0)	<u>0.61</u> (5.1)
<u>F)</u>	Metallic	<u>0.420</u> (3.5)	<u>0.80</u> (6.7)
<u>G</u>)	Pretreatment Coatings	<u>0.420</u> (3.5)	<u>0.80</u> (6.7)
<u>H)</u>	Solar Absorbent		
	i) <u>Air Dried</u>	<u>0.420</u> (3.5)	<u>0.80</u> (6.7)
	<u>ii) Baked</u>	<u>0.360</u> (3.0)	<u>0.61</u> (5.1)

447

. .

448 449 450		<u>(Note</u> coatin therm	(Note: On and after May 1, 2011, these limitations shall not apply to stencil coatings, safety-indicating coatings, solid-film lubricants, electric-insulating and thermal conducting coatings, touch up and remain coatings, or coating amplications				
451 452		utiliz	ing hand	<u>1-held aerosol cans.</u>)	<u>n coamgs, or c</u>	oating approations	
452		3)	On ar	d after May 1, 2011, an owner or o	merator of a co	ating line subject	
455		<u>51</u>	to the limitations in this subsection (a) shall early all eastings using and				
455			or mo	re of the following application met	hods.	aungs using one	
456			<u>01 m</u>	re of the following application met			
457			<u>A)</u>	Electrostatic spray;			
458 459			<u>B)</u>	High volume low pressure (HVL	<u>P) spray;</u>		
460 461 462 463			<u>C)</u>	Flow coating. For the purposes of means a non-atomized technique with a fluid nozzle with no air su	f this subsection of applying cos pplied to the no	n (g), flow coating ating to a substrate ozzle;	
465			<u>D)</u>	Roll coating;			
400 467 468 469 470 471			<u>E)</u>	Dip coating, including electrodeposition. For purposes of this subsection (g), 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; or			
472 473 474 475			<u>F)</u>	Another coating application meth efficiency equal to or better than if such method is approved in wr	nod capable of a that achieved b iting by the Ag	<u>achieving a transfer</u> y HVLP spraying, ency.	
470	h)	Large A	ppliance	e Coating			
		<u>1)</u>	Prior	to May 1, 2011:	<u>kg/l</u>	<u>lb/gal</u>	
			<u>A)</u>	Air Dried	<u>0.34</u>	<u>(2.8)</u>	
			<u>B)</u>	Baked	<u>0.28</u>	<u>(2.3)</u>	
		<u>2)</u>	<u>On an</u>	<u>d after May 1, 2011:</u>	<u>kg/l</u> (lb/gal)	<u>kg/l (lb/gal)</u> solids applied	
			<u>A)</u>	General, One Component	<u>0.275</u> (2.3)	<u>0.40</u> (3.3)	
			B)	General, Multi-Component			

	i) <u>Air Dried</u>	<u>0.340</u> (2.8)	<u>0.55</u> (4.5)
	<u>ii) Baked</u>	<u>0.275</u> (2.3)	<u>0.40</u> (3.3)
<u>C)</u>	Extreme High Gloss		
	i) <u>Air Dried</u>	<u>0.340</u> (2.8)	<u>0.55</u> (4.5)
	<u>ii) Baked</u>	<u>0.360</u> (3.0)	<u>0.61</u> (5.1)
<u>D)</u>	Extreme Performance		
	i)Air Dried	<u>0.420</u> (3.5)	<u>0.80</u> (6.7)
	ii)Baked	<u>0.360</u> (3.0)	<u>0.61</u> (5.1)
<u>E)</u>	Heat Resistant		
	i) <u>Air Dried</u>	$\frac{0.420}{(3.5)}$	<u>0.80</u> (6.7)
	<u>ii)</u> Baked	<u>0.360</u> (3.0)	<u>0.61</u> (5.1)
<u>F)</u>	Metallic	<u>0.420</u> (3.5)	<u>0.80</u> (6.7)
<u>G)</u>	Pretreatment Coatings	<u>0.420</u> (3.5)	<u>0.80</u> (6.7)
<u>H)</u>	Solar Absorbent		
	i) <u>Air Dried</u>	<u>0.420</u> (3.5)	<u>0.80</u> (6.7)
	<u>ii)</u> Baked	<u>0.360</u> (3.0)	<u>0.61</u> (5.1)
Air d	ried	0.34 0.34*	(2.8) (2.8)*

1)

2)	Baked	0.34	(2.8)
		0.28*	(2.3)*

477					``	,
478		(Note: T	These	limitations The limitation shall not an	olv to the use o	f auick-drving
479		lacquers	lacquers for repair of scratches and nicks that occur during assembly provided			
480		that the y	volum	e of coating does not exceed 0.95.1 ((auart) in any	one rolling
481		eight-hou	ur ner	iod On and after May 1 2011 these	limitations shal	ll also not apply
482		to stencil	l coati	ings safety-indicating coatings solid	film lubricante	electric
482		insulating	a and	thermal conducting coatings, solid-	n and renair of	<u>, ciccuric-</u>
181		<u>misulating</u>	ig allu	ations utilizing hand held aerosal asn		aungs, or
404		<u>coating a</u>	<u>appire</u> ,	ations utilizing nand-neid aerosor can	<u>s.</u>)	
405		2) ()n ond	l after May 1, 2011, an aymer or anor	oton of a costin	a line subject
400		$\frac{3}{2}$	$\frac{JII}{2}$ and $\frac{JII}{2}$	initations in this subsection (h) shall	and of a coalling	ig fille subject
407		<u> </u>		initiations in this subsection (ii) shall	<u>appiy ali coath</u>	ngs using one
400		<u>0</u>	or mor	e of the following application method	IS:	
489				Electric static community		
490		A	<u>1)</u>	Electrostatic spray;		
491						
492		<u>B</u>	<u>s)</u>	High volume low pressure (HVLP) s	<u>pray;</u>	
493			~		1	
494		<u>C</u>	<u></u>	Flow coating. For the purposes of the	is subsection (h	i), flow coating
495				means a non-atomized technique of a	applying coatin	<u>g to a substrate</u>
496				with a fluid nozzle with no air suppli	ed to the nozzl	<u>e;</u>
497		_				
498		<u>D</u>	<u>))</u>	Roll coating;		
499						
500		<u>E</u>	<u>E)</u>	Brush coating;		
501						
502		<u>F</u>	<u>(</u>	Dip coating, including electrodeposit	ion. For purpe	oses of this
503				subsection (h), electrodeposition mea	ans a water-bor	ne dip coating
504				process in which opposite electrical of	charges are app	lied to the
505				substrate and the coating. The coatin	ng is attracted to	o the substrate
506				due to the electrochemical potential of	lifference that	is created; or
507						
508		G	<u>j)</u>	Another coating application method	capable of achi	eving a transfer
509				efficiency equal to or better than that	achieved by H	VLP spraying,
510				if such method is approved in writing	g by the Agenc	y.
511						-
	i)	Magnet W	Vire C	Coating	kg/l	lb/gal
	1	-		-	0.20	(1.7)
					0.20*	(1.7)*
512						
	j)	Miscellan	neous	Metal Parts and Products Coating		
		1) C	lear c	oating	0.52	(4.3)

			0.52*	(4.3)*
2)	Extre	me 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 o	ther coatings		
	A)	Air Dried	0.42 0.40*	(3.5) (3.3)*
	B)	Baked	0.36 0.34*	(3.0) (2.8)*
5)	Meta	llic Coating		
	A)	Air Dried	0.42 0.42*	(3.5) (3.5)*
	B)	Baked	0.36 0.36	(3.0) (3.0)*
6)	For p coatii partic	urposes of subsection 219.204(j)(5) of ng" means a coating which contains m cles, as applied.	this Section, " ore than ¼ lb/g	metallic al of metal

k)	Heavy	Off-Highway Vehicle Products Coating	kg/l	lb/gal
	1)	Extreme performance prime coat	0.42 0.42*	(3.5) (3.5)*
	2)	Extreme performance topcoat (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) All other coatings are subject to the emission limitations for miscellaneous metal parts and products coatings in subsection (j) above.

513

. .

.

Wood Furniture Coating

1)	Limi	tations 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)

(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 37.81 (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 (1)(2)(A)through (E), below:

			kg VOM/kg solids	lb VOM/lb solids
A)	Top	ocoat	0.8	(0.8)
B)	Sea foll	lers and topcoats with the owing limits:		
	i)	Sealer other than acid-cured alkyd amino vinyl sealer	1.9	(1.9)

1)

515 516

517

518 519

520

521

522 523

524 525

526 527

528

			ii)	Topcoat other than acid-cur alkyd amino conversion var topcoat	ed 1.8 mish	(1.8)	
			iii)	Acid-cured alkyd amino vir sealer	nyl 2.3	(2.3)	
			iv)	Acid-cured alkyd amino conversion varnish topcoat	2.0	(2.0)	
531 532 533 534		C)	Mee an a	t the provisions of Section 21 veraging approach;	9.215 of this \$	Subpart for use of	
535 536 537 538		D)	Ach Sect Sect	Achieve a reduction in emissions equivalent to the requirements of Section 219.204(1)(2)(A) or (B) of this Subpart, as calculated using Section 219.216 of this Subpart; or			
538 539 540 541		 E) Use a combination of the methods specified in Section 219.204(1)(2)(A) through (D) of this Subpart. 					
J - 1	3)	Other wood furniture coating limitations on and after March 15, 1998:					
		A)	Opa	que stain	kg/l 0.56	lb/gal (4.7)	
		B)	Non	-topcoat pigmented coat	0.60	(5.0)	
		C)	Repa	air coat	0.67	(5.6)	
		D)	Sem	i-transparent stain	0.79	(6.6)	
542		E)	Was	h coat	0.73	(6.1)	
543 544	4)	Other	March 15, 1998:				
545 546 547 548		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.				
549 550 551 552 553	B) Any source subject to the limitations of subsection (this Section shall comply with the requirements of S of this Subpart.					ion (l)(2) or (3) of of Section 219.217	

.

554 555 556 557 558 559 560 561 562 563 563 564			C)	Any s of this for each with ti The vi- greate reserv i)	 Any source subject to the limitations of subsection (1)(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 (1)(2)(A) or (B) of this Section. The viscosity of the coating in each reservoir shall always be reater than or equal to the viscosity of the initial coating in the eservoir. The owner or operator shall: Monitor the viscosity of the coating in the reservoir with a viscosity meter or by testing the viscosity of the initial coating in each reservoir. 				
565 566 567 568 569 570				ii)	solvent is added; 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				
570 571 572				iii)	Maintain these records at the source for a period of three years.				
515	m)	Plast	ic Parts	Coating	: Automotive/Transportation	kg/l	lb/gal		
		1)	Interio	ors					
			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)	Exteri	iors (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)*		

я

				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)	Vacuu texture	m metallizing basecoats, basecoats	0.66*	(5.5)*		
			B)	Black of coating soft co	coatings, reflective argent gs, air bag cover coatings, and atings	0.71*	(5.9)*		
			C)	Gloss 1 topcoa	reducers, vacuum metallizing ts, and texture topcoats	0.77*	(6.4)*		
			D)	Stencil ink pac coating	coatings, adhesion primers, l coatings, electrostatic prep gs, and resist coatings	0.82*	(6.8)*		
			E)	Head la	amp lens coatings	0.89*	(7.4)*		
n)	n)	Plasti	c Parts (kg/l	lb/gal				
		1)	Primer		0.14*	(1.2)*			
		2)	Color o	coat (no	n-texture coat)	0.28*	(2.3)*		
		3)	Color o	coat (tex	0.28*	(2.3)*			
	4)	Electro interfer	magnet rence (E	0.48*	(4.0)*				
		5)	Specialty Coatings						
			A)	Soft co	at	0.52*	(4.3)*		
			B)	Plating	resist	0.71*	(5.9)*		
			C)	Plating	sensitizer	0.85*	(7.1)*		
575									
-----	--------------------	---							
576	(Sour	ce: Amended at 34 Ill. Reg., effective							
577	Ϋ́,								
578	Section 219.2	205 Daily-Weighted Average Limitations							
579									
580	No owner or	operator of a coating line subject to the limitations of Section 219,204 of this							
581	Subpart and c	complying by means of this Section shall operate the subject coating line unless the							
582	owner or oper	rator has demonstrated compliance with subsection (a), (b), (c), (d), (e), (f), (g), or							
583	(h), or (i) of t	his Section (depending upon the category of coating) through the applicable coating							
584	analysis test r	nethods and procedures specified in Section 219.105(a) of this Part and the							
585	recordkeeping	g and reporting requirements specified in Section 219.211(d) of this Subpart							
586									
587	a)	No owner or operator of a coating line subject to only one of the limitations from							
588		among Section 219.204(a)(1), (a)(4), $\frac{(e)}{(e)}$ (d), (e), (f), $\frac{(e)}{(e)}$ (f), or, prior to May 1							
589		2011. (c) of this Subpart shall apply coatings on any such coating line, during any							
590		day, whose daily-weighted average VOM content exceeds the emission limitation							
591		to which the coatings are subject.							
592									
593	b)	No owner or operator of a miscellaneous metal parts and products coating line							
594	,	subject to the limitations of Section 219.204(j) of this Subpart shall apply coatings							
595		to miscellaneous metal parts or products on the subject coating line unless the							
596		requirements in subsection (b)(1) or (b)(2) of this Section are met.							
597									
598		1) For each coating line that which applies multiple coatings, all of which are							
599		subject to the same numerical emission limitation within Section							
600		219.204(j) of this Subpart during the same day (e.g., all coatings used on							
601		the line are subject to 0.42 kg/l (3.5 lbs/gal), the daily-weighted average							
602		VOM content shall not exceed the coating VOM content limit							
603		corresponding to the category of coating used, or							
604									
605		2) For each coating line <u>that which</u> applies coatings subject to more than one							
606		numerical emission limitation in Section 219.204(j) of this Subpart, during							
607		the same day, the owner or operator shall have a site-specific proposal							
608		approved by the Agency and approved by the USEPA as a SIP revision.							
609		To receive approval, the requirements of USEPA's Emissions Trading							
610		Policy Statement (and related policy) 51 Fed. Reg. 43814 (December 4,							
611		1986), must be satisfied.							
612									
613	c)	No owner or operator of a can coating line subject to the limitations of Section							
614		219.204(b) of this Subpart shall operate the subject coating line using a coating							
615		with a VOM content in excess of the limitations specified in Section 219.204(b)							
616		of this Subpart unless all of the following requirements are met:							
617									

 An alternative daily emission limitation for the can coating operation, i.e. for all of the can coating lines at the source, shall be determined according to subsection (c)(2) of this Section. Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation.

$$E_b = \sum_{i=l}^n V_i C_i$$

where:

n

Vi

- E_d = Actual VOM emissions for the day in units of kg/day (lbs/day);
 i = Subscript denoting a specific coating applied;
 - = Total number of coatings applied in the can coating operation, i.e. all can coating lines at the source;
 - Volume of each coating applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);
- C_i = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).
- The alternative daily emission limitation (A_d) shall be determined for the can coating operation, i.e. for all of the can coating lines at the source, on a daily basis as follows:

$$A_d = \sum_{i=1}^n V_i L_i \frac{\left(D_i - C_i\right)}{\left(D_i - L_i\right)}$$

where:

2)

- A_d = The VOM emissions allowed for the day in units of kg/day (lbs/day);
- i = Subscript denoting a specific coating applied;

619 620 621

618

- 622 623
- 624
- 625

626 627

628

629 630

631 632

633

634 635

		n = Total number of surface coatings applied in the can coating operation;
		C _i = The VOM content of each surface coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);
		D_i = The density of VOM in each coating applied. For the purposes of calculating A _d , the density is 0.882kg VOM/l VOM (7.36 lbs VOM/gal VOM);
		 V_i = Volume of each surface coating applied for the day in units of l (gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);
627		 L_i = The VOM emission limitation for each surface coating applied as specified in Section 219.204(b) of this Subpart in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).
638	(b	No owner or operator of a heavy off-highway vehicle products coating line
639	u)	subject to the limitations of Section 219 $204(k)$ of this Subpart shall apply
640		coatings to heavy off-highway vehicle products on the subject coating line unless
641		the requirements of subsection $(d)(1)$ or $(d)(2)$ of this Section are met
642		the requirements of subsection $(d)(1)$ of $(d)(2)$ of this bection are met.
643		1) For each coating line that which applies multiple coatings all of which are
644		subject to the same numerical emission limitation within Section
645		219.204(k) of this Subpart during the same day (e.g. all coatings used on
646		the line are subject to 0.42 kg/l (3.5 lbs/gal) the daily-weighted average
647		VOM content shall not exceed the coating VOM content limit
648		corresponding to the category of coating used or
649		
650		2) For each coating line that which applies coatings subject to more than one
651		numerical emission limitation in Section 219,204(k) of this Subpart
652		during the same day, the owner or operator shall have a site specific
653		proposal approved by the Agency and approved by the USEPA as a SIP
654		revision. To receive approval, the requirements of USEPA's Emissions
655		Trading Policy Statement (and related policy) 51 Fed Reg 43814
656		(December 4, 1986), must be satisfied
657		(_ coentoer ,, ryco), must be suitstich.
658	e)	No owner or operator of a wood furniture coating line subject to the limitations of
659	0)	Section 219.204(1)(1) or (1)(3) of this Subpart shall apply coatings to wood

660		furnitı	ure on the subject coating line unless the requirements of subsection (e)(1)
661		or (e)((2) of this Section, in addition to the requirements specified in the note to
662		Sectio	on 219.204(1)(1) of this Subpart, are met.
663			
664		1)	For each coating line that which applies multiple coatings, all of which are
665		ŗ	subject to the same numerical emission limitation within Section
666			219.204(l)(1) or (l)(3) of this Subpart, during the same day (e.g., all
667			coatings used on the line are subject to 0.67 kg/l (5.6 lbs/gal), the daily-
668			weighted average VOM content shall not exceed the coating VOM content
669			limit corresponding to the category of coating used, or
670			
671		2)	For each coating line that which applies coatings subject to more than one
672		_/	numerical emission limitation in Section 219.204(l)(1) or (l)(3) of this
673			Subpart, during the same day, the owner or operator shall have a site
674			specific proposal approved by the Agency and approved by the USEPA as
675			a SIP revision. To receive approval, the requirements of USEPA's
676			Emissions Trading Policy Statement (and related policy) 51 Fed. Reg
677			43814 (December 4, 1986) must be satisfied
678			isor (Seconder 1, 1900), must be suitsried.
679	Ð	No ow	mer or operator of a plastic parts coating line subject to the limitations of
680	-)	Sectio	n 219 204(m) or (n) of this Subpart shall apply coatings to husiness
681		machi	ne or automotive/transportation plastic parts on the subject coating line
682		unless	the requirements of subsection $(f)(1)$ or $(f)(2)$ of this Section are met
683		ameos	the requirements of subsection $(1)(1)$ of $(1)(2)$ of this bection are met.
684		1)	For each coating line that which applies multiple coatings all of which are
685		1)	subject to the same numerical emission limitation within Section
686			219 204(m) or (n) of this Subnart, during the same day (e.g., all coatings
687			used on the line are subject to (1.42 kg/l) (3.5 lbs/gal), the daily weighted
688			average VOM content shall not exceed the coating VOM content limit
680			corresponding to the category of coating used or
600			corresponding to the category of coating used, of
601		2)	For each coating line that which applies coatings subject to more than one
602		2)	numerical emission limitation in Section 210 204(m) or (n) of this
602			Subpart during the same day, the summer or exerctor shall have a site
604			snegific proposal approved by the A gapay and USEDA as a SID revision
605			To receive approved by the Agency and USEFA as a SIF revision.
606			Policy Statement (and related reliev) must be satisfied
607			roncy Statement (and related policy) must be satisfied.
6097	\sim	No ou	mor or operator of a motal furniture agating line subject to the limitations of
600	g)	Section	The of operator of a metal furniture coaling line subject to the limitations of $210, 204(\alpha)$ of this Subject shall apply eastings on the subject states 1
700			In 219.204(g) of this Subpart shall apply coatings on the subject coating line the requirements of subsection $(\alpha)(1) = (\alpha)(2)$ of this Section set
700		umess	the requirements of subsection $(g_1(1))$ or $(g_2(2))$ of this Section are met:
701		1)	For each section line that which any line would be set in a 11 Contract
/02		1)	For each coating line that which applies multiple coatings, all of which are

.

.

703		subject to the same numerical emission limitation within Section
704		219.204(g) of this Subpart, during the same day (e.g., all coatings used on
705		the line are subject to 0.34 kg/l (2.8 lbs/gal)), the daily-weighted average
706		VOM content shall not exceed the coating VOM content limit
707		corresponding to the category of coating used, or
708		
709		2) For each coating line <u>that which</u> applies coatings subject to more than one
710		numerical emission limitation in Section 219.204(g) of this Subpart,
711		during the same day, the owner or operator shall have a site specific
712		proposal approved by the Agency and USEPA as a SIP revision. To
713		receive approval, the requirements of USEPA's Emissions Trading Policy
714		Statement (and related policy) must be satisfied.
715		
716	h)	No owner or operator of a large appliance coating line subject to the limitations of
717		Section 219.204(h) of this Subpart shall apply coatings on the subject coating line
718		unless the requirements of subsection $(h)(1)$ or $(h)(2)$ of this Section are met
719		
720		1) For each coating line that which applies multiple coatings all of which are
721		subject to the same numerical emission limitation within Section
721		219 204(h) of this Subpart during the same day (e.g. all costings used on
722		the line are subject to $0.34 \text{ kg/l} (2.8 \text{ lbs/gal})$ the daily-weighted average
723		VOM content shall not exceed the coating VOM content limit
725		corresponding to the extensive of costing used, or
725		corresponding to the category of coating used, of
720		2) For each conting line that which applies contings subject to more than any
720		2) For each coaring fine <u>marwinch</u> applies coarings subject to more than one
720		numerical emission initiation in Section 219.204(n) of this Subpart,
729		during the same day, the owner or operator shall have a site specific
730		proposal approved by the Agency and USEPA as a SIP revision. To
/31		receive approval, the requirements of USEPA's Emissions Trading Policy
/32		Statement (and related policy) must be satisfied.
733	•	
734	<u>1)</u>	On and after May 1, 2011, no owner or operator of a paper coating line subject to
735		the limitations of Section 219.204(c) of this Subpart shall apply coatings on the
736		subject coating line unless the requirements in subsection $(1)(1)$ or $(1)(2)$ of this
737		Section are met:
738		
739		1) For each coating line that applies multiple coatings, all of which are
740		subject to the same numerical emission limitation within Section
741		<u>219.204(c) during the same day (e.g., all coatings used on the line are</u>
742		subject to 0.40 kg/kg solids (0.08 kg/kg coatings)), the daily-weighted
743		average VOM content shall not exceed the coating VOM content limit
744		corresponding to the category of coating used; or
745		

.

.

746		<u>2)</u>	For each coating line that applies coatings subject to more than one
747			numerical emission limitation in Section 219.204(c) during the same day,
748			the owner or operator shall have a site-specific proposal approved by the
749			Agency and approved by USEPA as a SIP revision. To receive approval,
750			the requirements of USEPA's Emissions Trading Policy Statement (and
751			related policy), 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.
752			
753	(Sour	ce: An	nended at 34 Ill. Reg., effective)
754			
755	Section 219.2	207 Al	ternative Emission Limitations
756			
757	a)	Any o	owner or operator of a coating line subject to Section 219.204 of this Subpart
758	,	may	comply with this Section, rather than with Section 219.204 of this Subpart, if
759		a cap	ture system and control device are operated at all times the coating line is in
760		opera	tion and the owner or operator demonstrates compliance with subsection (c).
761		(d), (e	e), (f), (g), (h), (i), or (j), or (k) of this Section (depending upon the source
762		categ	ory) through the applicable coating analysis and capture system and control
763		devic	e efficiency test methods and procedures specified in Section 219.105 of this
764		Part a	and the record keeping and reporting requirements specified in Section
765		219.2	(11(e) of this Subpart; and the control device is equipped with the applicable
766		moni	toring equipment specified in Section 219.105(d) of this Part and the
767		moni	toring equipment is installed, calibrated, operated and maintained according
768		to ver	ndor specifications at all times the control device is in use. A capture system
769		and c	ontrol device, which does not demonstrate compliance with subsection (c),
770		(d), (e	e), (f), (g), (h), (i), (j), or (k) of this Section may be used as an alternative to
771		comp	liance with Section 219.204 of this Subpart only if the alternative is
772		appro	wed by the Agency and approved by the USEPA as a SIP revision.
773		••	
774	b)	Alter	native Add-On Control Methodologies
775	,		C C
776		1)	The coating line is equipped with a capture system and control device that
777		·	provides 81 percent reduction in the overall emissions of VOM from the
778			coating line and the control device has a 90 percent efficiency, or
779			
780		2)	The system used to control VOM from the coating line is demonstrated to
781			have an overall efficiency sufficient to limit VOM emissions to no more
782			than what is allowed under Section 219.204 of this Subpart. Use of any
783			control system other than an afterburner, carbon adsorption, condensation,
784			or absorption scrubber system can be allowed only if approved by the
785			Agency and approved by the USEPA as a SIP revision. The use of transfer
786			efficiency credits can be allowed only if approved by the Agency and
787			approved by the USEPA as a SIP revision. Baseline transfer efficiencies
788			and transfer efficiency test methods must be approved by the Agency and

*

789		the USEPA. Such overall efficiency is to be determined as follows:		
790				
791		A)	Obtain the emission limitation from the appropriate subsection in	
792			Section 219.204 of this Subpart;	
793				
794		B)	Calculate "S" according to the equation in Section 219.206 of this	
795			Subpart;	
796				
797		C)	Calculate the overall efficiency required according to Section	
798			219.105(e) of this Part. For the purposes of calculating this value,	
799			according to the equation in Section 219.105(e)(2) of this Part,	
800			VOM_1 is equal to the value of "S" as determined above in	
801			subsection (b)(2)(B) of this Section.	
802				
803	c)	No owner or o	operator of a coating line subject to only one of the emission	
804		limitations fro	om among Section 219.204(a)(1), (a)(4), (c), (d), (e), (f), or -(i), <u>or</u> ,	
805		prior to May 1	1, 2011, (c) of this Subpart and equipped with a capture system and	
806		control device	shall operate the subject coating line unless the requirements in	
807		subsection (b)	(1) or (b)(2) of this Section are met. No owner or operator of a	
808		coating line su	ubject to Section 219.204(a)(2) or (a)(3) of this Part and equipped	
809		with a capture	system and control device shall operate the coating line unless the	
810		owner or oper	ator demonstrates compliance with such limitation in accordance	
811		with the topco	at protocol referenced in Section 219.105(b) of this Part.	
812				
813	d)	No owner or c	operator of a miscellaneous metal parts and products coating line	
814		thatwhich app	lies one or more coatings during the same day, all of which are	
815		subject to the	same numerical emission limitation within Section 219.204(j) of	
816		this Subpart (e	e.g., all coatings used on the line are subject to 0.42 kg/l ([3.5	
817		lbs/gal)], and t	thatwhich is equipped with a capture system and control device	
818		shall operate t	he subject coating line unless the requirements in subsection (b)(1)	
819		or (b)(2) of thi	is Section are met.	
820				
821	e)	No owner or o	perator of a heavy off-highway vehicle products coating line	
822		thatwhich app	lies one or more coatings during the same day, all of which are	
823		subject to the	same numerical emission limitation within Section 219.204(k) of	
824		this Subpart (e	e.g., all coatings used on the line are subject to 0.42 kg/l ([3.5	
825		lbs/gal)]), and	thatwhich is equipped with a capture system and control device	
826		shall operate the	he subject coating line unless the requirements in subsection (b)(1)	
827		or $(b)(2)$ of this	is Section are met.	
828				
829	f)	No owner or o	perator of a wood furniture coating line <u>that which</u> applies one or	
830	-	more coatings	during the same day, all of which are subject to the same numerical	
831		emission limit	ation within Section 219.204(1) of this Subpart (e.g., all coatings	

.

.

used on the line are subject to 0.67 kg/l ([5.6 lbs/gal)]), and thatwhich is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met. If compliance is achieved by meeting the requirements in subsection (b)(2) of this Section, then the provisions in the note to Section 219.204(1) of this Subpart must also be met.

- g) No owner or operator of a can coating line and equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (g)(1) or (g)(2) of this Section are met.
 - An alternative daily emission limitation for the can coating operation, i.e. for all of the can coating lines at the source, shall be determined according to Section 219.205(c)(2) of this Subpart. Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation:

$$E_d = \sum_{i=l}^n V_i C_i \left(1 - F_i\right)$$

where:

E_d = Actual VOM emissions for the day in units of kg/day (lbs/day);

i = Subscript denoting the specific coating applied;

- n = Total number of surface coatings as applied in the can coating operation;
- V_i = Volume of each coating as applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);
- C_i = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM) and
- F_i = Fraction, by weight, of VOM emissions from the surface coating, reduced or prevented from being emitted to the ambient air. This is the overall efficiency of the capture

832

833

834 835

836

837

838

849

848

850 851

system and control device.

-

853 854 2) The coating line is equipped with a capture system and control device that 855 provide 75 percent reduction in the overall emissions of VOM from the 856 coating line and the control device has a 90 percent efficiency. 857 858 h) No owner or operator of a plastic parts coating line that which applies one or more 859 coatings during the same day, all of which are subject to the same numerical 860 emission limitation within Section 219.204(m) or (n) of this Subpart (e.g., all 861 coatings used on the line are subject to 0.42 kg/l ([3.5 lbs/gal)]), and that which is 862 equipped with a capture system and control device shall operate the subject 863 coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section 864 are met. 865 866 Prior to May 1, 2011, noNo owner or operator of a metal furniture coating line i) 867 thatwhich applies one or more coatings during the same day, all of which are 868 subject to the same numerical emission limitation within Section 219.204(g) of 869 this Subpart (e.g., all coatings used on the line are subject to 0.34 kg/l ([2.8 870 lbs/gal)]), and thatwhich is equipped with a capture system and control device 871 shall operate the subject coating line unless the requirements in subsection (b)(1)or (b)(2) of this Section are met. 872 873 874 i) Prior to May 1, 2011, noNo owner or operator of a large appliance coating line 875 thatwhich applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 219.204(h) of 876 877 this Subpart (e.g., all coatings used on the line are subject to 0.34 kg/l (f2.8 878 lbs/gal)]), and thatwhich is equipped with a capture system and control device 879 shall operate the subject coating line unless the requirements in subsection (b)(1)or (b)(2) of this Section are met. 880 881 882 <u>k)</u> On and after May 1, 2011, no owner or operator of a paper coating line, metal furniture coating line, or large appliance coating line that is equipped with a 883 884 capture system and control device shall operate the subject coating line unless either: 885 886 887 1) The capture system and control device provide at least 90 percent 888 reduction in the overall emissions of VOM from the coating line; or 889 890 <u>2)</u> The owner or operator complies with the applicable limitation set forth in 891 Section 219.204 of this Subpart by utilizing a combination of low-VOM 892 coatings and a capture system and control device. 893 894 (Source: Amended at 34 Ill. Reg. _____, effective)

896 Section 219.210 Compliance Schedule

Every owner or operator of a coating line (of a type included within Section 219.204 of this
Subpart) shall comply with the requirements of Section 219.204, 219.205, 219.207 or 219.208
and Section 219.211 or Sections 219.212 and 219.213 of this Subpart in accordance with the
appropriate compliance schedule as specified in subsection (a), (b), (c), (d), (e), or (g) of
this Sectionbelow:

- 904a)No owner or operator of a coating line thatwhich is exempt from the limitations of905Section 219.204 of this Subpart because of the criteria in Section 219.208(a) or906(b) of this Subpart shall operate said coating line on or after a date consistent with907Section 219.106 of this Part, unless the owner or operator has complied with, and908continues to comply with, Section 219.211(b) of this Subpart.
 - b) No owner or operator of a coating line complying by means of Section 219.204 of this Subpart shall operate said coating line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 219.204 and 219.211(c) of this Subpart.
 - c) No owner or operator of a coating line complying by means of Section 219.205 of this Subpart shall operate said coating line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 219.205 and 219.211(d) of this Subpart.
 - d) No owner or operator of a coating line complying by means of Section 219.207 of this Subpart shall operate said coating line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 219.207 and 219.211(e) of this Subpart.
 - e) No owner or operator of a coating line subject to one or more of the emission limitations contained in Section 219.204 of this Subpart on or after March 15, 1996, choosing to comply by means of Section 219.204, 219.205 or 219.207 of this Subpart, shall operate said coating line on or after March 15, 1996, unless the owner or operator complies with and continues to comply with, respectively, the applicable requirements in Section 219.204, or the alternative control options in Sections 219.205 or 219.207 and the requirements of Section 219.211.
- 933f)No owner or operator of a coating line subject to one or more of the emission934limitations contained in Section 219.204 of this Subpart on or after March 15,9351996, choosing to comply by means of Section 219.212 of this Subpart, shall936operate said coating line on or after March 15, 1996, unless the owner or operator937complies with and continues to comply with the requirements of Sections 219.212

938		and 219.213	of this Subpart.
939			
940	<u>g)</u>	No owner or	operator of a coating line subject to the emission limitations in
941		Section 219.2	204(c)(2), 219.204(g)(2), or 219.204(h)(2) of this Subpart shall
942		operate that c	coating line on or after a date consistent with Section 219.106(c) of
943		<u>this Part, unl</u>	ess the owner or operator has complied with, and continues to
944		comply with,	<u>Section 219.204(c)(2), 219.204(g)(2), or 219.204(h)(2), as</u>
945		applicable, or	r the alternative control options in Section 219.205 or 219.207, and
946		all applicable	requirements in Sections 219.211 and 219.218 of this Subpart.
947			-
948	(Sourc	ce: Amended a	at 34 Ill. Reg, effective)
949			
950	Section 219.2	211 Recordke	eping and Reporting
951			
952	a)	The VOM co	ontent of each coating and the efficiency of each capture system and
953		control devic	e shall be determined by the applicable test methods and procedures
954		specified in S	Section 219.105 of this Part to establish the records required under
955		this Section.	-
956			
957	b)	Any owner of	r operator of a coating line that which is exempted from the
958		limitations of	f Section 219.204 of this Subpart because of Section 219.208(a) or
959		(b) of this Su	bpart shall comply with the following:
960			
961		1) For so	ources exempt from Section 219.208(a) of this Subpart, by a date
962		consis	stent with Section 219.106 of this Part, the owner or operator of a
963		coatin	ig line or group of coating lines referenced in subsection (b) of this
964		Sectio	on shall certify to the Agency that the coating line or group of coating
965		lines i	is exempt under the provisions of Section 219.208(a) of this Subpart.
966		Such	certification shall include:
967			
968		A)	A declaration that the coating line is exempt from the limitations of
969		,	Section 219.204 of this Subpart because of Section 219.208(a) of
970			this Subpart; and
971			* <i>'</i>
972		B)	Calculations that which demonstrate that the combined VOM
973		,	emissions from the coating line and all other coating lines in the
974			same category never exceed 6.8 kg (15 lbs) per day before the
975			application of capture systems and control devices. The following
976			equation shall be used to calculate total VOM emissions:
977		14	•
978			$T_e = \sum_{j=l}^m \sum_{i=l}^n (A_i B_i)_j$
979			

8

....

980 981

where: T_e = Total VOM emissions from coating lines each day before the application of capture systems and control devices in units of kg/day (lbs/day); m = Number of coating lines at the source that otherwise would be subject to the same subsection of Section 219.104 of this Part (because they belong to the same category, e.g., can coating); Subscript denoting an individual coating line; j = Number of different coatings as applied each day on each n coating line; i = Subscript denoting an individual coating; Ai = Weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line in units of kg VOM/l (lbs VOM/gal); B_i = Volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line in units of l/day (gal/day). The instrument or method by which the owner or operator accurately measured or calculated the volume of each coating as applied on each coating line each day shall be described in the certification to the Agency. 2) For sources exempt under Section 219.208(b) of this Subpart, by March 15, 1998, or upon initial start-up, the owner or operator of a coating line or a group of coating lines referenced in subsection (b) of this Section shall certify to the Agency that the source is exempt under the provisions of Section 219.208(b) of this Subpart. Such certification shall include: A) A declaration that the source is exempt from the limitations of Section 219.204(1) of this Subpart because of Section 219.208(b)

of this Subpart; and

993 B) Calculations which demonstrate that the source meets the criteria 994 of exemption because of Section 219.208(b) of this Subpart. 995 996 3) For sources exempt under Section 219.208(a) of this Subpart, on and after 997 a date consistent with Section 219.106 of this Part, the owner or operator 998 of a coating line or group of lines referenced in this subsection shall 999 collect and record all of the following information each day for each 1000 coating line and maintain the information at the source for a period of 1001 three years: 1002 1003 A) The name and identification number of each coating as applied on 1004 each coating line; and 1005 1006 B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted 1007 1008 from the definition of VOM) as applied each day on each coating line. 1009 1010 1011 4) For sources exempt under Section 219.208(b) of this Subpart, on and after 1012 March 15, 1998, the owner or operator of a coating line or group of 1013 coating lines referenced in this subsection (b) shall collect and record all 1014 of the following information for each coating line and maintain the 1015 information at the source for a period of three years: 1016 1017 A) The name and identification number of each coating as applied on 1018 each coating line; and 1019 1020 B) The weight of VOM per volume and the volume of each coating 1021 (minus water and any compounds which are specifically exempted 1022 from the definition of VOM) as applied on each coating line on a 1023 monthly basis. 1024 1025 5) On and after a date consistent with Section 219.106 of this Part, the owner 1026 or operator of a coating line or group of coating lines exempted from the 1027 limitations of Section 219.204 of this Subpart because of Section 1028 219.208(a) of this Subpart shall notify the Agency of any record showing that total VOM emissions from the coating line or group of coating lines 1029 1030 exceed 6.8 kg (15 lbs) in any day before the application of capture systems 1031 and control devices by sending a copy of such record to the Agency within 30 days after the exceedance occurs. 1032 1033 1034 6) On and after March 15, 1998, any owner or operator of a source exempt 1035 from the limitations of Section 219.204(1) of this Subpart because of

JCAR350219-0916460r01

1037 VOM emissions exceed the limitations of Section 219.208(b) of this 1038 Subpart by sending a copy of calculations showing such an exceedance 1040 (c) Any owner or operator of a coating line subject to the limitations of Section 1041 (c) Any owner or operator of a coating line subject to the limitations of Section 1042 219.204 of this Subpart other than Section 219.204 of this Subpart shall comply with the following: 1043 Subpart and complying by means of Section 219.204 of this Subpart the following: 1044 with the following: 1045 1) By a date consistent with Section 219.106 of this Part, or upon initial start-up of a new coating line, or upon changing the method of compliance from an existing subject coating line from Section 219.205, Section 219.204 of this Subpart to coating line from Section 219.205, Section 219.204 of this Subpart, the owner or operator of a subject coating line shall certify to the Agency that the coating line will be in compliance with Section 1052 219.204 of this Subpart on and after a date consistent with Section 1053 219.204 of this Part, or on and after the initial start-up date. TheSweh certification shall include: 1055 A) The name and identification number of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) per weight of Solids in each coating line; and 1056 A) The weight of V	1036		Se	ction 219.208(b) of this Subpart shall notify the Agency if the source's
1038 Subpart by sending a copy of calculations showing such an exceedance within 30 days after the change occurs. 1040 1041 c) Any owner or operator of a coating line subject to the limitations of Section 219.204 of this Subpart of ther than Section 219.204 (a)(2) and (a)(3) of this Subpart and complying by means of Section 219.204 of this Subpart shall comply with the following: 1044 Subpart and complying by means of Section 219.204 of this Subpart shall comply with the following: 1045 1) By a date consistent with Section 219.106 of this Part, or upon initial start-1047 1048 an existing subject coating line from Section 219.204, of this Subpart to Section 219.204 of this Subpart to Section 219.204 of this Subpart, the owner or operator of a subject coating line shall certify to 1051 1050 this Subpart on and after a date consistent with Section 1052 1051 the Agency that the coating line will be in compliance with Section 1053 1052 219.204 of this Subpart on and after a date consistent with Section 1053 1054 certification shall include: 1055 A) The name and identification number of each coating as applied on each coating line; 1058 B) The weight of VOM per volume of each coating line; and definition of VOM) as applied each day on each coating line; and definition of VOM per weight of Solids in each coating as applied each day on each coating line; and definition of Section 219.204(c)(2)(A) or (B) of this Subpart,	1037		VC	DM emissions exceed the limitations of Section 219.208(b) of this
1039 within 30 days after the change occurs. 1040 1041 c) Any owner or operator of a coating line subject to the limitations of Section 1042 219.204 of this Subpart other than Section 219.204(a)(2) and (a)(3) of this 1043 Subpart and complying by means of Section 219.204 of this Subpart shall comply 1044 with the following: 1045 1) By a date consistent with Section 219.106 of this Part, or upon initial start- 1046 1) By a date consistent with Section 219.205, Section 219.207, 1047 up of a new coating line, or upon changing the method of compliance from 1048 an existing subject coating line shall certify to 1050 this Subpart; the owner or operator of a subject coating line shall certify to 1051 the Agency that the coating line will be in compliance with Section 1052 219.204 of this Subpart on and after the initial start-up date. TheSuch 1054 certification shall include: 1055 1 The name and identification number of each coating (minus water and 1060 any compounds which are specifically exempted from the 1061 definition of VOM) per weight of Solids in each coating line; and 1062 0 On and after March 15, 1998, fo	1038		Su	bpart by sending a copy of calculations showing such an exceedance
1040 c) Any owner or operator of a coating line subject to the limitations of Section 1042 219.204 of this Subpart other than Section 219.204(a)(2) and (a)(3) of this Subpart and complying by means of Section 219.204 of this Subpart shall comply 1044 with the following: 1045 1045 1) By a date consistent with Section 219.204 of this Subpart shall comply 1046 1) By a date consistent with Section 219.204 of this Subpart to Section 219.204 of this Subpart in a existing subject coating line, or upon changing the method of compliance from an existing subject to coating line from Section 219.204 of this Subpart is Subpart to Section 219.204 of this Subpart on and after a date consistent with Section 129.204 of this Subpart on and after a date consistent with Section 219.204 of this Subpart on and after a date consistent with Section 219.204 of this Subpart on and after a date consistent with Section 219.204 of this Subpart on and after a date consistent with Section 219.204 of this Subpart on and after a date consistent with Section 219.204 of this Subpart in compliance with Section 219.204 of this Subpart in and identification number of each coating as applied on each coating line; 1055 A) The name and identification number of each coating line; and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line; and any compounds which are specifically exempted from the definition of Section 219.204(p(2) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line; and 1062 1063 C) On and afte	1039		wi	thin 30 days after the change occurs.
1041 c) Any owner or operator of a coating line subject to the limitations of Section 1042 219.204 of this Subpart other than Section 219.204(a)(2) and (a)(3) of this 1043 Subpart and complying by means of Section 219.204 of this Subpart shall comply 1044 with the following: 1045 1) By a date consistent with Section 219.206 of this Part, or upon initial start- 1046 1) By a date consistent with Section 219.205, Section 219.207, 1047 up of a new coating line, or upon changing the method of compliance from 1048 an existing subject coating line from Section 219.205, Section 219.207, 1050 this Subpart to coating line shall certify to 1051 the Agency that the coating line will be in compliance with Section 1052 219.204 of this Subpart on and after a date consistent with Section 1053 219.106 of this Part, or on and after the initial start-up date. TheSush 1054 certification shall include: 1055 A) The name and identification number of each coating line; and 1060 any compounds which are specifically exempted from the 1061 definition of VOM) as applied each day on each coating line; and 1062 O On and after March 15, 1998, for coating	1040			
1042 219.204 of this Subpart other than Section 219.204(a)(2) and (a)(3) of this 1043 Subpart and complying by means of Section 219.204 of this Subpart shall comply 1044 with the following: 1045 1) By a date consistent with Section 219.106 of this Part, or upon initial start- 1046 1) By a date consistent with Section 219.205, Section 219.207, 1048 an existing subject coating line from Section 219.205, Section 219.204 of this Subpart, the owner or operator of a subject coating line shall certify to 1050 this Subpart, the owner or operator of a subject coating line shall certify to 1051 the Agency that the coating line will be in compliance with Section 1052 219.204 of this Subpart on and after a date consistent with Section 1053 219.106 of this Part, or on and after the initial start-up date. TheSueh 1054 certification shall include: 1055 A) The name and identification number of each coating minus water and 1060 any compounds which are specifically exempted from the 1061 definition of VOM) as applied each day on each coating line; and 1062 On and after March 15, 1998, for coating lines subject to the 1063 C) On and after March 15, 1998, for coating as applied	1041	c)	Any owne	r or operator of a coating line subject to the limitations of Section
1043 Subpart and complying by means of Section 219.204 of this Subpart shall comply 1044 with the following: 1045 1) By a date consistent with Section 219.106 of this Part, or upon initial start- 1047 up of a new coating line, or upon changing the method of compliance from 1048 an existing subject coating line from Section 219.205, Section 219.204 of 1050 this Subpart; the owner or operator of a subject coating line shall certify to 1051 the Agency that the coating line will be in compliance with Section 1052 219.204 of this Subpart on and after a date consistent with Section 1053 219.106 of this Part, or on and after the initial start-up date. TheSueh 1054 certification shall include: 1055 A) The name and identification number of each coating as applied on 1056 A) The weight of VOM per volume of each coating line; and 1060 any compounds which are specifically exempted from the 1061 definition of VOM) per weight of solids in each coating as applied 1062 On and after March 15, 1998, for coating lines subject to the 1066 each day on each coating in each 1067 D) For coating lines subject to the limitations of Section 219.204(c)(2) <	1042	-	219.204 of	f this Subpart other than Section 219.204(a)(2) and (a)(3) of this
1044 with the following: 1045 1) By a date consistent with Section 219.106 of this Part, or upon initial start- up of a new coating line, or upon changing the method of compliance from an existing subject coating line from Section 219.205, Section 219.207, 1048 an existing subject coating line from Section 219.205, Section 219.204, of this Subpart; the owner or operator of a subject coating line shall certify to the Agency that the coating line will be in compliance with Section 1052 1051 the Agency that the coating line will be in compliance with Section 1053 1054 certification shall include: 1055 A) The name and identification number of each coating as applied on each coating line; 1056 A) The name and identification number of each coating (minus water and any compounds which are specifically exempted from the definition of VOM per volume of each coating line; and 1062 C) On and after March 15, 1998, for coating lines subject to the limitations of Section 219.204(l)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line;- 1066 D) For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line; and 1072 E) For coating lines subject to the limitations of Section 219.204(g)(2) of this Subpart, the we	1043		Subpart ar	d complying by means of Section 219.204 of this Subpart shall comply
1045 Image: Construction of the section of the sec	1044		with the fo	ollowing:
10461)By a date consistent with Section 219.106 of this Part, or upon initial start- up of a new coating line, or upon changing the method of compliance from an existing subject coating line from Section 219.205, Section 219.207, Section 219.215, or Section 219.206 of this Subpart to Section 219.204 of this Subpart; the owner or operator of a subject coating line shall certify to to 1051 the Agency that the coating line will be in compliance with Section 219.204 of this Subpart on and after a date consistent with Section 219.204 of this Part, or on and after a date consistent with Section 219.204 of this Part, or on and after the initial start-up date. TheSueh certification shall include:1055A)The name and identification number of each coating as applied on each coating line;1058B)The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line; and1066C)On and after March 15, 1998, for coating lines subject to the limitations of Section 219.204(1)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line;-1067D)For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coating, as applicable) in each coating as applied each day on each coating line; and1072E)For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of VOM per weight of Solids (or the weight of VOM per weight of coating, as applicable) in each coating as applied each day on each coating line; and1073E) <td>1045</td> <td></td> <td></td> <td></td>	1045			
1047up of a new coating line, or upon changing the method of compliance from1048an existing subject coating line from Section 219.205, Section 219.207,1049Section 219.215, or Section 219.216 of this Subpart to Section 219.204 of1050this Subpart; the owner or operator of a subject coating line shall certify to1051the Agency that the coating line will be in compliance with Section1052219.204 of this Subpart on and after a date consistent with Section1053219.106 of this Part, or on and after the initial start-up date. TheSueh1054certification shall include:105501056A)1058B)1059B)1060any compounds which are specifically exempted from the1061definition of VOM per volume of each coating line; and106201063C)1064limitations of Section 219.204(J)(2)(A) or (B) of this Subpart, the1065weight of VOM per weight of solids in each coating as applied1066each day on each coating line;.106701068D)1071For coating lines subject to the limitations of Section 219.204(p)(2)1072of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coating, as applicable) in each coating as applied each day on each coating line; and10661071107210721073E)For coating lines subject to the limitations of Section 219.204(p)(2) of this Subpart, the weight of VOM per volume of solids (or the weight of VOM p	1046		1) By	a date consistent with Section 219.106 of this Part. or upon initial start-
1048 an existing subject coating line from Section 219.205, Section 219.207, 1049 Section 219.215, or Section 219.216 of this Subpart to Section 219.204 of 1050 this Subpart; the owner or operator of a subject coating line shall certify to 1051 the Agency that the coating line will be in compliance with Section 1052 219.204 of this Subpart on and after a date consistent with Section 1053 219.106 of this Part, or on and after the initial start-up date. TheSueh 1054 certification shall include: 1055 A) The name and identification number of each coating as applied on 1056 A) The name and identification number of each coating (minus water and 1057 each coating line; 1058 1058 B) The weight of VOM per volume of each coating (minus water and 1060 any compounds which are specifically exempted from the 1061 definition of VOM) as applied each day on each coating line; and 1062 C) On and after March 15, 1998, for coating lines subject to the 1063 C) On and after March 15, 1998, for coating as applied 1064 limitations of Section 219.204(l)(2)(A) or (B) of this Subpart, the 1065 weight of VOM per weight of solids in each	1047		up	of a new coating line, or upon changing the method of compliance from
1049 Section 219.215, or Section 219.216 of this Subpart to Section 219.204 of this Subpart; the owner or operator of a subject coating line shall certify to the Agency that the coating line will be in compliance with Section 219.204 of this Subpart on and after a date consistent with Section 219.204 of this Part, or on and after a date consistent with Section 219.204 of this Part, or on and after the initial start-up date. TheSueh certification shall include: 1053 219.204 of this Subpart on and after a date consistent with Section 219.204 of this Part, or on and after the initial start-up date. TheSueh certification shall include: 1054 certification shall include: 1055 A) The name and identification number of each coating as applied on each coating line; 1058 B) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line; and 1062 C) On and after March 15, 1998, for coating lines subject to the limitations of Section 219.204(D(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line; ⁻¹ 1068 D) For coating lines subject to the limitations of Section 219.204(p(2)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of Solids (or the weight of VOM per weight of Solids (or the weight of VOM per weight of VOM per veling line; and 1071 coating as applied each day on each coating line; and 1072 E)	1048		an	existing subject coating line from Section 219.205, Section 219.207.
1050this Subpart; the owner or operator of a subject coating line shall certify to1051the Agency that the coating line will be in compliance with Section1052219.204 of this Subpart on and after a date consistent with Section1053219.106 of this Part, or on and after the initial start-up date. TheSueh1054certification shall include:105510561056A)The name and identification number of each coating as applied on1057each coating line;105810581059B)The weight of VOM per volume of each coating (minus water and1060any compounds which are specifically exempted from the1061definition of VOM) as applied each day on each coating line; and1062C)On and after March 15, 1998, for coating lines subject to the1064limitations of Section 219.204(l)(2)(A) or (B) of this Subpart, the1065weight of VOM per weight of solids in each coating as applied1066each day on each coating line;1067D)For coating lines subject to the limitations of Section 219.204(c)(2)1068D)For coating lines subject to the limitations of Section 219.204(c)(2)1070of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line; and1071coating as applied each day on each coating line; and1072E)For coating lines subject to the limitations of Section 219.204(g)(2) or 219.204(h)(2) of this Subpart, the application methods used to apply coat	1049		See	ction 219.215, or Section 219.216 of this Subpart to Section 219.204 of
1051 the Agency that the coating line will be in compliance with Section 1052 219.204 of this Subpart on and after a date consistent with Section 1053 219.106 of this Part, or on and after the initial start-up date. TheSueh 1054 certification shall include: 1055 A) The name and identification number of each coating as applied on 1057 each coating line; 1058 B) The weight of VOM per volume of each coating (minus water and 1060 any compounds which are specifically exempted from the 1061 definition of VOM) as applied each day on each coating line; and 1062 On and after March 15, 1998, for coating lines subject to the 1064 limitations of Section 219.204(l)(2)(A) or (B) of this Subpart, the 1065 weight of VOM per weight of solids in each coating as applied 1066 each day on each coating line; [*] 1067 D) For coating lines subject to the limitations of Section 219.204(c)(2) 1068 D) For coating lines subject to the limitations of Section 219.204(c)(2) 1070 weight of VOM per weight of volm per weight of solids (or the 1071 coating as applied each day on each coating line; and 1072 Interest subject to	1050		thi	s Subpart; the owner or operator of a subject coating line shall certify to
1052 219.204 of this Subpart on and after a date consistent with Section 1053 219.106 of this Part, or on and after the initial start-up date. TheSuch 1054 certification shall include: 1055 A) The name and identification number of each coating as applied on 1056 A) The name and identification number of each coating as applied on 1057 each coating line; 1058 B) The weight of VOM per volume of each coating (minus water and 1060 any compounds which are specifically exempted from the 1061 definition of VOM) as applied each day on each coating line; and 1062 0 On and after March 15, 1998, for coating lines subject to the 1064 limitations of Section 219.204(l)(2)(A) or (B) of this Subpart, the 1065 each day on each coating lines; applied 1066 each day on each coating line; applied 1067 D) For coating lines subject to the limitations of Section 219.204(c)(2) 1068 D) For coating lines subject to the limitations of Section 219.204(g)(2) 1071 coating as applied each day on each coating line; and 1072 1073 E) 1073 E) For coating lines subject	1051		the	Agency that the coating line will be in compliance with Section
1053 219.106 of this Part, or on and after the initial start-up date. TheSuch 1054 certification shall include: 1055 A) The name and identification number of each coating as applied on 1056 A) The name and identification number of each coating as applied on 1057 each coating line; 1058 B) The weight of VOM per volume of each coating (minus water and 1060 any compounds which are specifically exempted from the 1061 definition of VOM) as applied each day on each coating line; and 1062 C) On and after March 15, 1998, for coating lines subject to the 1063 C) On and after March 15, 1998, for coating as applied 1064 limitations of Section 219.204(l)(2)(A) or (B) of this Subpart, the 1065 weight of VOM per weight of solids in each coating as applied 1066 each day on each coating line; 1067 D) For coating lines subject to the limitations of Section 219.204(c)(2) 1070 weight of VOM per weight of Coatings, as applicable) in each 1071 coating as applied each day on each coating line; and 1072 For coating lines subject to the limitations of Section 219.204(g)(2) 1073 E)	1052		219	9.204 of this Subpart on and after a date consistent with Section
1054 certification shall include: 1055 (a) The name and identification number of each coating as applied on each coating line; 1056 (a) The name and identification number of each coating (minus water and each coating line; 1058 (b) (c) 1059 (c) (c) 1060 (c) (c) 1061 (c) (c) 1062 (c) (c) 1063 (c) (c) (c) 1064 (c) (c) (c) 1065 (c) (c) (c) (c) 1064 (c) (c) (c) (c) 1065 (c) (c) (c) (c) (c) 1066 (c) (c) (c) (c) (c) 1066 (c) (c) (c) (c) (c) (c) 1067 (c) (c) (c) (c) (c) (c) (c) 1066 (c) (c) </td <td>1053</td> <td></td> <td>219</td> <td>9.106 of this Part, or on and after the initial start-up date. The Such</td>	1053		219	9.106 of this Part, or on and after the initial start-up date. The Such
1055 A) The name and identification number of each coating as applied on each coating line; 1057 each coating line; 1058 B) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line; and 1060 any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line; and 1062 0 On and after March 15, 1998, for coating lines subject to the limitations of Section 219.204(1)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line ₂ - 1066 each day on each coating line ₂ - 1067 D) For coating lines subject to the limitations of Section 219.204(c)(2) 1068 D) For coating lines subject to the limitations of Section 219.204(c)(2) 1070 weight of VOM per weight of coating, as applicable) in each coating as applied each day on each coating line; and 1072 E) For coating lines subject to the limitations of Section 219.204(g)(2) 1073 E) For coating lines subject to the limitation methods used to apply coatings on the subject coating line and the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating (or the weight of VOM per volume of solids in each coating line. 1076 per volume	1054		cer	tification shall include:
1056A)The name and identification number of each coating as applied on each coating line;1058	1055			
1057 each coating line; 1058 Each coating line; 1059 B) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line; and 1060 any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line; and 1062 0n and after March 15, 1998, for coating lines subject to the limitations of Section 219.204(l)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line;. 1066 each day on each coating line;. 1067 D) For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line; and 1070 weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line; and 1072 0r 219.204(h)(2) of this Subpart, the application methods used to apply coatings on the subject coating line and the weight of VOM per volume of each coating or the weight of VOM per volume of solids in each coating, as applied each day on each coating line and the weight of VOM per volume of solids in each coating, as applicable) as applied each day on each coating line.	1056		A)	The name and identification number of each coating as applied on
10581059B)The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line; and1061definition of VOM) as applied each day on each coating line; and106201063C)1064limitations of Section 219.204(l)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line;-1066each day on each coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line; and1070E)For coating lines subject to the limitations of Section 219.204(g)(2) of this Subpart, the application methods used to apply coatings on the subject coating line and the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating line.1076per volume of each coating (or the weight of VOM per volume of applicable) as applied each day on each coating line.	1057		,	each coating line:
1059B)The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line; and 10621063C)On and after March 15, 1998, for coating lines subject to the limitations of Section 219.204(l)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line;-1066E1067For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of solids (or the weight of VOM per weight of coating, as applicable) in each coating as applied each day on each coating line; and1070For coating lines subject to the limitations of Section 219.204(g)(2) of this Subpart, the weight of coating line; and1071Coating lines subject to the limitations of Section 219.204(g)(2) of this Subpart, the application methods used to apply coatings on the subject coating line and the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating (or the weight of VOM per volume of solids in each coating (or the weight of VOM per volume of solids in each coating line.	1058			,
1060any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line; and 10621063C)On and after March 15, 1998, for coating lines subject to the limitations of Section 219.204(l)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line; -1066B)For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of solids (or the weight of VOM per weight of coating, as applicable) in each coating as applied each day on each coating line; and1070For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of coating, as applicable) in each coating as applied each day on each coating line; and1072For coating lines subject to the limitations of Section 219.204(g)(2) or 219.204(h)(2) of this Subpart, the application methods used to apply coatings on the subject coating line and the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applied each day on each coating line.	1059		B)	The weight of VOM per volume of each coating (minus water and
1061definition of VOM) as applied each day on each coating line; and10621063C)On and after March 15, 1998, for coating lines subject to the1064limitations of Section 219.204(l)(2)(A) or (B) of this Subpart, the1065weight of VOM per weight of solids in each coating as applied1066each day on each coating line;.1067D)For coating lines subject to the limitations of Section 219.204(c)(2)1068D)For coating lines subject to the limitations of Section 219.204(c)(2)1070of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coating s, as applicable) in each coating as applied each day on each coating line; and1072E)For coating lines subject to the limitations of Section 219.204(g)(2) or 219.204(h)(2) of this Subpart, the application methods used to apply coatings on the subject coating line and the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applied each day on each coating line.1071coating in each coating (or the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applied each day on each coating line.	1060		,	any compounds which are specifically exempted from the
10621063C)On and after March 15, 1998, for coating lines subject to the limitations of Section 219.204(l)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line;-1065E1066For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line; and1070E1073For coating lines subject to the limitations of Section 219.204(g)(2) or 219.204(h)(2) of this Subpart, the application methods used to apply coatings on the subject coating line and the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applicable) as applied each day on each coating line.	1061			definition of VOM) as applied each day on each coating line: and
1063C)On and after March 15, 1998, for coating lines subject to the limitations of Section 219.204(l)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line;.1066D)For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line; and1070E)For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of coating line; and1071For coating lines subject to the limitations of Section 219.204(g)(2) or 219.204(h)(2) of this Subpart, the application methods used to apply coatings on the subject coating line and the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applicable) as applied each day on each coating line.	1062			
1064limitations of Section 219.204(l)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line;-1066D)For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line; and1070E)For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of coatings, as applicable) in each coating as applied each day on each coating line; and1072E)For coating lines subject to the limitations of Section 219.204(g)(2) or 219.204(h)(2) of this Subpart, the application methods used to apply coatings on the subject coating line and the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applied each day on each coating line.1073E)	1063		C)	On and after March 15, 1998, for coating lines subject to the
1065weight of VOM per weight of solids in each coating as applied each day on each coating line;-1066E)1067For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line; and1070E)1073E)1074For coating lines subject to the limitations of Section 219.204(g)(2) or 219.204(h)(2) of this Subpart, the application methods used to apply coatings on the subject coating line and the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applied each day on each day on each coating line.	1064		- /	limitations of Section 219.204(1)(2)(A) or (B) of this Subpart, the
1066each day on each coating line;106710681069106910701070107110721073E)For coating lines subject to the limitations of Section 219.204(g)(2)1073107410751075107610771078	1065			weight of VOM per weight of solids in each coating as applied
10671068D)For coating lines subject to the limitations of Section 219.204(c)(2)1069of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line; and1071E)For coating lines subject to the limitations of Section 219.204(g)(2) or 219.204(h)(2) of this Subpart, the application methods used to apply coatings on the subject coating line and the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applied each day on each coating line.1073E)	1066			each day on each coating line:-
1068D)For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line; and1071E)For coating lines subject to the limitations of Section 219.204(g)(2) or 219.204(h)(2) of this Subpart, the application methods used to apply coatings on the subject coating line and the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applied each day on each coating line and the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applied each day on each coating line.	1067			
1069of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line; and1071coating as applied each day on each coating line; and1072E)For coating lines subject to the limitations of Section 219.204(g)(2) or 219.204(h)(2) of this Subpart, the application methods used to apply coatings on the subject coating line and the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applied each day on each coating line.1073E)	1068		D)	For coating lines subject to the limitations of Section $219.204(c)(2)$
1070weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line; and1071coating as applied each day on each coating line; and1072E)For coating lines subject to the limitations of Section 219.204(g)(2) or 219.204(h)(2) of this Subpart, the application methods used to apply coatings on the subject coating line and the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applied each day on each coating line.1078	1069			of this Subpart, the weight of VOM per weight of solids (or the
1071coating as applied each day on each coating line; and107210731074107410751076107610771078	1070			weight of VOM per weight of coatings, as applicable) in each
10721073E)107410751076107610771078	1071			coating as applied each day on each coating line; and
1073E)For coating lines subject to the limitations of Section 219.204(g)(2)1074or 219.204(h)(2) of this Subpart, the application methods used to1075apply coatings on the subject coating line and the weight of VOM1076per volume of each coating (or the weight of VOM per volume of1077solids in each coating, as applicable) as applied each day on each1078coating line.	1072			
1074or 219.204(h)(2) of this Subpart, the application methods used to1075apply coatings on the subject coating line and the weight of VOM1076per volume of each coating (or the weight of VOM per volume of1077solids in each coating, as applicable) as applied each day on each1078coating line.	1073		E)	For coating lines subject to the limitations of Section $219.204(g)(2)$
1075apply coatings on the subject coating line and the weight of VOM1076per volume of each coating (or the weight of VOM per volume of1077solids in each coating, as applicable) as applied each day on each1078coating line.	1074			or 219.204(h)(2) of this Subpart, the application methods used to
1076per volume of each coating (or the weight of VOM per volume of solids in each coating, as applicable) as applied each day on each coating line.1078coating line.	1075			apply coatings on the subject coating line and the weight of VOM
1077solids in each coating, as applicable) as applied each day on each1078coating line.	1076			per volume of each coating (or the weight of VOM per volume of
1078 coating line.	1077			solids in each coating, as applicable) as applied each day on each
	1078			coating line.

*

1079			
1080	2)	On an	d after a date consistent with Section 219.106 of this Part, or on and
1081	-	after t	he initial start-up date, the owner or operator of a subject coating
1082		line sh	all collect and record all of the following information each day for
1083		each c	coating line and maintain the information at the source for a period of
1084		three y	vears.
1085		unce.	, out 5.
1086		۵)	The name and identification number of each coating as annlied on
1087		А)	each coating line:
1007			each coathig mic,
1000		D)	The mainter of YOM menors been a facely continue (minus matery on 1
1000		Б)	The weight of volvi per volume of each coating (minus water and
1090			any compounds which are specifically exempted from the
1091			definition of VOM) as applied each day on each coating line;
1092		~	
1093		C)	On and after March 15, 1998, for coating lines subject to the
1094			limitations of Section 219.204(1)(2)(A) or (B) of this Subpart, the
1095			weight of VOM per weight of solids in each coating as applied
1096			each day on each coating line and certified product data sheets for
1097			each coating; and
1098			
1099		D)	On and after March 15, 1998, for wood furniture coating spray
1100			booths subject to the limitation of Section 219.204(1)(4)(A) of this
1101			Subpart, the weight of VOM per weight of solids in each strippable
1102			spray booth coating as applied each day on each spray booth and
1103			certified product data sheets for each coating:-
1104			
1105		E)	For coating lines subject to the limitations of Section 219 $204(c)(2)$
1106		<u>~</u>]	of this Subpart the weight of VOM per weight of solids (or the
1107			weight of VOM per weight of costings as applicable) in each
1107			costing as applied each day on each costing line, and certified
1100			reduct data sheets for each coating; and
1109			product data sneets for each coating, and
1110		E)	For easting lines while the the limitations of Ω_{1} at Ω_{1}
		<u>F)</u>	For coating lines subject to the limitations of Section 219.204(g)(2) $= 210.204(h)(2) + 64h + 64h$
1112			or 219.204(n)(2) of this Subpart, the weight of VOM per volume
1113			of each coating (or the weight of VOM per volume of solids in
1114			each coating, as applicable) as applied each day on each coating
1115			line, and certified product data sheets for each coating.
1116			
1117	3)	On and	d after a date consistent with Section 219.106 of this Part, the owner
1118		or ope	rator of a subject coating line shall notify the Agency in the
1119		follow	ing instances:
1120			

1121		A)	Any record showing violation of Section 219.204 of this Subpart
1122			shall be reported by sending a copy of such record to the Agency
1123			within 30 days following the occurrence of the violation.
1124			
1125		B)	At least 30 calendar days before changing the method of
1126		,	compliance from Section 219,204 to Section 219,205 or Section
1127			219.207 of this Subpart, the owner or operator shall comply with
1128			all requirements of subsection $(d)(1)$ or $(e)(1)$ below, respectively.
1129			Upon changing the method of compliance from Section 219,204 to
1130			Section 219.205 or Section 219.207 of this Subnart, the owner or
1131			operator shall comply with all requirements of subsection (d) or (e)
1132			of this Section, respectively.
1133			
1134	(b	Any owner of	r operator of a coating line subject to the limitations of Section
1135	-)	219.204 of th	is Subpart and complying by means of Section 219,205 of this
1136		Subpart shall	comply with the following:
1137			
1138		1) Byac	date consistent with Section 219,106 of this Part, or upon initial start-
1139		up of	a new coating line, or upon changing the method of compliance for
1140		an exi	isting subject coating line from Section 219,204 or Section 219,207
1141		to Sec	ction 219.205 of this Subpart: the owner or operator of the subject
1142		coatin	In the shall certify to the Agency that the coating line will be in
1143		comp	liance with Section 219,205 on and after a date consistent with
1144		Sectio	on 219.106 of this Part, or on and after the initial start-up date
1145		TheSu	uch certification shall include:
1146			
1147		A)	The name and identification number of each coating line which
1148		/	will comply by means of Section 219,205 of this Subpart
1149			
1150		B)	The name and identification number of each coating as applied on
1151		-,	each coating line.
1152			
1153		C)	The weight of VOM per volume and the volume of each coating
1154		- /	(minus water and any compounds which are specifically exempted
1155			from the definition of VOM) as applied each day on each coating
1156			line.
1157			
1158		D)	On and after March 15, 1998, for coating lines subject to the
1159		-,	limitations of Section 219.204(1)(2)(A) or (B) of this Subpart the
1160			weight of VOM per weight of solids in each coating as annlied
1161			each day on each coating line.
1162			,

Si.

.

1163 1164 1165 1166 1167		<u>E)</u>	For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the weight of VOM per weight of coatings, as applicable) in each coating as applied each day on each coating line.
1168 1169 1170 1171 1172 1173		<u>F)</u>	For coating lines subject to the limitations of Section 219.204(g)(2) or 219.204(h)(2) of this Subpart, the weight of VOM per volume of each coating (or the weight of VOM per volume of solids in each coating, as applicable) as applied each day on each coating line.
1173 1174 1175 1176 1177		<u>G</u> E)	The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating as applied each day on each coating line.
1178 1179 1180 1181		<u>H</u> ₽)	The method by which the owner or operator will create and maintain records each day as required in subsection (d)(2) of this Section.
1182 1183 1184		<u>I</u> G)	An example of the format in which the records required in subsection (d)(2) of this Section will be kept.
1185 1186 1187 1188 1189 1190	2)	On and after th line sh each co three y	after a date consistent with Section 219.106 of this Part, or on and ne initial start-up date, the owner or operator of a subject coating all collect and record all of the following information each day for pating line and maintain the information at the source for a period of rears:
1191 1192 1193		A)	The name and identification number of each coating as applied on each coating line.
1194 1195 1196 1197 1198		B)	The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
1199 1200 1201 1202		C)	On and after March 15, 1998, for coating lines subject to the limitations of Section 219.204(l)(2)(A) or (B) of this Subpart, the weight of VOM per weight of solids in each coating as applied each day on each coating line.
1203 1204 1205		<u>D)</u>	For coating lines subject to the limitations of Section 219.204(c)(2) of this Subpart, the weight of VOM per weight of solids (or the

.

.

1206				weight of VOM per weight of coatings, as applicable) in each
1207				coating as applied each day on each coating line.
1208				
1209		E	<u>E)</u>	For coating lines subject to the limitations of Section 219.204(g)(2)
1210				or 219.204(h)(2) of this Subpart, the weight of VOM per volume
1211				of each coating (or the weight of VOM per volume of solids in
1212				each coating, as applicable) as applied each day on each coating
1213				line.
1214				
1215		<u>F</u>	Đ)	The daily-weighted average VOM content of all coatings as
1216				applied on each coating line as defined in Section 219.104 of this
1217				Part.
1218				
1219		3) C)n and	after a date consistent with Section 219.106 of this Part, the owner
1220		0	r oper	ator of a subject coating line shall notify the Agency in the
1221		fe	ollowi	ng instances:
1222				
1223		A	()	Any record showing violation of Section 219.205 of this Subpart
1224				shall be reported by sending a copy of such record to the Agency
1225				within 30 days following the occurrence of the violation.
1226				
1227		В	3)	At least 30 calendar days before changing the method of
1228				compliance with this Subpart from Section 219.205 to Section
1229				219.204 or Section 219.207 of this Subpart, the owner or operator
1230				shall comply with all requirements of subsection $(c)(1)$ or $(e)(1)$ of
1231				this Section, respectively. Upon changing the method of
1232				compliance with this Subpart from Section 219.205 to Section
1233				219.204 or Section 219.207 of this Subpart, the owner or operator
1234				shall comply with all requirements of subsection (c) or (e) of this
1235				Section, respectively.
1236				,,,,,,,
1237	e)	Anv own	ner or o	operator of a coating line subject to the limitations of Section
1238	-)	219.207	and co	purposed of a containing fine subject to the minimum of potential of potential of $f(g) = 0$ (h) or
239		(k) of thi	s Subt	part shall comply with the following.
240		<u>111</u> 01 011	0 0 401	sare bhan compry whit are rono while.
241		1) B	lv a da	te consistent with Section 219 106 of this Part, or upon initial start-
242		ע <i>ר</i> י	nofa	new coating line, or upon changing the method of compliance for
243		ແງ ຊາ	r exist	ing coating line from Section 219 204 or Section 219 205 to
244		S	ection	219 207 of this Subnart the owner or operator of the subject
245		C(oating	line shall perform all tests and submit to the Agency the results of
246		20	ll tests	and calculations necessary to demonstrate that the subject costing
12-10		ai 1;-	ne wil	The in compliance with Section 210 207 of this Submart on and
. <u>∠</u> -⊤/		11.	110 W 11	Too in compliance with Section 219.207 of this Subpart off and

1248 1249 1250		after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date.			
1250	2)	0	defense dete enneistent midt Gestien 210 100 effis Deut en en 1		
1251	2)	On an	a alter a date consistent with Section 219.100 of this Part, or on and		
1252		lino ch	all collect and record all of the following information each deu for		
1255			an contect and record an of the following information each day for		
1254		three a	coarning nine and maintain the information at the source for a period of		
1255		unee	years.		
1250		۸)	The weight of VOM non-velopme of easting colids as applied each		
1257		A)	day on each costing line if complying pursuant to Section		
1250			210 207(b)(2) of this Subport		
1259			219.207(0)(2) of this Subpart.		
1261		B)	Control device monitoring data		
1261		D)	Control device monitoring data.		
1263		(\mathbf{C})	A log of operating time for the capture system, control device		
1264		0)	monitoring equipment and the associated coating line		
1265			monitoring equipment and the associated coating inte.		
1266		D)	A maintenance log for the canture system control device and		
1267		D)	monitoring equipment detailing all routine and non-routine		
1268			maintenance performed including dates and duration of any		
1269			outages.		
1270					
1271	3)	On an	d after a date consistent with Section 219,106 of this Part, the owner		
1272	,	or operator of a subject coating line shall notify the Agency in the			
1273		following instances:			
1274			5		
1275		A)	Any record showing violation of Section 219.207 of this Subpart		
1276		,	shall be reported by sending a copy of such record to the Agency		
1277			within 30 days following the occurrence of the violation.		
1278					
1279		B)	At least 30 calendar days before changing the method of		
1280			compliance with this Subpart from Section 219.207 to Section		
1281			219.204 or Section 219.205 of this Subpart, the owner or operator		
1282			shall comply with all requirements of subsection $(c)(1)$ or $(d)(1)$ of		
1283			this Section, respectively. Upon changing the method of		
1284			compliance with this Subpart Part from Section 219.207 to Section		
1285			219.204 or Section 219.205 of this Subpart, the owner or operator		
1286			shall comply with all requirements of subsection (c) or (d) of this		
1287			Section, respectively.		
1288					

÷

1289 f) Any owner or operator of a primer surfacer operation or topcoat operation subject 1290 to the limitations of Section 219.204(a)(2) or (a)(3) of this Subpart shall comply 1291 with the following: 1292 1293 1) By a date consistent with Section 219.106 of this Part, or upon initial start-1294 up of a new coating operation, the owner or operator of a subject coating 1295 operation shall certify to the Agency that the operation will be in 1296 compliance with Section 219.204 of this Subpart on and after a date 1297 consistent with Section 219.106 of this Part, or on and after the initial 1298 start-up date. TheSuch certification shall include: 1299 1300 A) The name and identification number of each coating operation 1301 which will comply by means of Section 219.204(a)(2) and (a)(3) of 1302 this Subpart and the name and identification number of each 1303 coating line in each coating operation. 1304 1305 B) The name and identification number of each coating as applied on 1306 each coating line in the coating operation. 1307 1308 C) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the 1309 1310 definition of VOM) as applied each day on each coating line. 1311 1312 D) The transfer efficiency and control efficiency measured for each 1313 coating line. 1314 1315 E) Test reports, including raw data and calculations documenting the testing performed to measure transfer efficiency and control 1316 1317 efficiency. 1318 1319 F) The instrument or method by which the owner or operator will 1320 accurately measure or calculate the volume of each coating as 1321 applied each day on each coating line. 1322 1323 **G**) The method by which the owner or operator will create and 1324 maintain records each day as required in subsection (f)(2) of this 1325 Sectionbelow. 1326 1327 H) An example format for presenting the records required in 1328 subsection (f)(2) of this Sectionbelow. 1329 1330 2) On and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date, the owner or operator of a subject coating 1331

1332 operation shall collect and record all of the following information each 1333 day for each topcoat or primer surfacer coating operation and maintain the 1334 information at the source for a period of three years: 1335 1336 A) All information necessary to calculate the daily-weighted average 1337 VOM emissions from the coating operations in kg (lbs) per 1 (gal) 1338 of coating solids deposited in accordance with the proposal 1339 submitted, and approved pursuant to Section 219.204(a)(2) or 1340 (a)(3) of this Subpart including: 1341 1342 i) The name and identification number of each coating as 1343 applied on each coating operation. 1344 1345 ii) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted 1346 from the definition of VOM) as applied each day on each 1347 1348 coating operation. 1349 1350 B) If a control device or devices are device(s) is used to control VOM emissions, control device monitoring data; a log of operating time 1351 for the capture system, control device, monitoring equipment and 1352 the associated coating operation; and a maintenance log for the 1353 1354 capture system, control device and monitoring equipment, detailing all routine and non-routine maintenance performed 1355 1356 including dates and duration of any outages. 1357 1358 3) On and after a date consistent with Section 219.106 of this Part or on and 1359 after the initial start-up date, the owner or operator of a subject coating 1360 operation shall determine and record the daily VOM emissions in kg (lbs) 1361 per 1 (gal) of coating solids deposited in accordance with the proposal submitted and approved pursuant to Section 219.204(a)(2) or (a)(3) of this 1362 1363 Subpart within 10 days from the end of the month and maintain this information at the source for a period of three years. 1364 1365 1366 4) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a subject coating operation shall notify the Agency in the 1367 following instances: 1368 1369 1370 A) Any record showing a violation of Section 219.204(a)(2) or (a)(3)1371 of this Subpart shall be reported by sending a copy of such record 1372 to the Agency within 15 days from the end of the month in which 1373 the violation occurred. 1374

1375 B) The owner or operator shall notify the Agency of any change to the 1376 operation at least 30 days before the change is effected. The 1377 Agency shall determine whether or not compliance testing is 1378 required. If the Agency determines that compliance testing is 1379 required, then the owner or operator shall submit a testing proposal 1380 to the Agency within 30 days and test within 30 days of the 1381 approval of the proposal by the Agency and USEPA. 1382 1383 g) On and after a date consistent with Section 219.106(c) of this Part, or on and after 1384 the initial start-up date, whichever is later, the owner or operator of a coating line subject to the requirements of Section 219.218 of this Subpart shall comply with 1385 1386 the following: 1387 1388 1) By May 1, 2011, or upon initial start-up, whichever is later, submit a 1389 certification to the Agency that includes a description of the practices and procedures that the source will follow to ensure compliance with the 1390 applicable requirements in Section 219.218 of this Subpart; 1391 1392 1393 2) Notify the Agency of any violation of Section 219.218 of this Subpart by 1394 providing a description of the violation and copies of records documenting 1395 the violation to the Agency within 30 days following the occurrence of the 1396 violation; and 1397 1398 <u>3)</u> Maintain at the source all records required by this subsection (g) for a 1399 minimum of three years from the date the document was created and make 1400 those records available to the Agency upon request. 1401 1402 (Source: Amended at 34 Ill. Reg., effective) 1403 1404 Section 219.212 Cross-Line Averaging to Establish Compliance for Coating Lines 1405 1406 a) On and after March 15, 1996, any owner or operator of a coating line subject to 1407 the limitations set forth in Section 219.204 of this Subpart, except coating lines 1408 subject to the limitations in Section 219.204(c)(2), (g)(2), or (h)(2) of this 1409 Subpart, and with coating lines in operation prior to January 1, 1991 ("preexisting coating lines"), may, for pre-existing coating lines only, elect to comply 1410 with the requirements of this Section, rather than complying with the applicable 1411 1412 emission limitations set forth in Section 219.204, if an operational change of the type described below has been made after January 1, 1991, to one or more pre-1413 1414 existing coating lines at the source. An operational change occurs when a pre-1415 existing coating line is replaced with a line using lower VOM coating for the 1416 same purpose as the replaced line ("replacement line"). A source electing to rely 1417 on this Section to demonstrate compliance with the requirements of this Subpart

JCAR350219-0916460r01

1418 1419		shall operate pursuant to federally enforceable permit conditions approved by the Agency and USEPA.			
1420					
1421	b)	An owner or operator of pre-existing coating lines subject to a VOM content			
1422		limitation in Section 219.204 of this Subpart and electing to rely on this Section to			
1423		demonstrate compliance with this Subpart must establish, by use of the equations			
1424		in subsection (d) of this Section, that the calculated actual daily VOM emissions			
1425		from all participating coating lines, as defined below, are less than the calculated			
1426		daily allowable VOM emissions from the same group of coating lines. For any			
1427		pre-existing coating line to be aggregated for the purposes of Section 219.212,			
1428		219.213, or 219.214 of this Subpart ("participating coating lines"), the source			
1429		must establish that:			
1430					
1431		1) All coatings applied on the participating coating line shall, at all times,			
1432		have a VOM content less than or equal to the applicable VOM content			
1433		limitation for such coating listed in Appendix H of this Part; and			
1434					
1435		2) On the date the source elects to rely on this Section to demonstrate			
1436		compliance with this Subpart, all coatings applied on the participating			
1437		coating line are not already in compliance with the VOM content			
1438		limitation for such coating effective on or after March 15, 1996, or the			
1439		participating coating line is a replacement line, as defined in subsection (a)			
1440		of this Section with an operational change occurring on or after January 1			
1441		1991.			
1442					
1443	c)	Notwithstanding subsection (a) of this Section any owner or operator of a coating			
1444	-)	line subject to the limitations set forth in Section 219 204 of this Subpart and			
1445		electing to rely on this Section to demonstrate compliance with this Subpart may			
1446		also include as a participating coating line until December 31, 1999, only any			
1447		replacement line that satisfies all of the following conditions:			
1448		replacement mis that ballones an of the following conditions.			
1449		1) The replacement line is operated as a powder coating line:			
1450					
1451		2) The replacement line was added after July 1, 1988; and			
1452					
1453		3) The owner or operator also includes as a participating coating line one or			
1454		more coating lines that satisfy the criteria of a replacement line as			
1455		described in subsection (a) of this Section			
1456		described in subsection (a) of this beetion.			
1457	(þ	To demonstrate compliance with this Section a source shall establish the			
1458	u)	following.			
1450		юно и шд.			
1460		1) An alternative daily emission limitation shall be determined for all			
1400		i) An alternative daily emission minitation shall be determined for all			

e 0¹

participating coating lines at the source according to subsection (d)(2) of this Section. All participating coating lines shall be factored in each day to demonstrate compliance. Provided compliance is established pursuant to the requirements in this subsection, nothing in this Section requires daily operation of each participating line. Actual daily emissions from all participating coating lines (E_d) shall never exceed the alternative daily emission limitation (A_d) and shall be calculated by use of the following equation:

$$E_d = \sum_{i=l}^n V_i C_i$$

where:

- E_d = Actual daily VOM emissions from participating coating lines in units of kg/day (lbs/day);
- i = Subscript denoting a specific coating applied;
- n = Total number of coatings applied by all participating coating lines at the source;
- V_i = Volume of each coating applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); and
- C_i = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).
- 2) The alternative daily emission limitation (A_d) shall be determined for all participating coating lines at the source on a daily basis as follows:

$$A_d = A_l + A_p$$

where A_1 and A_p are defined in subsections (d)(2)(A) and (d)(2)(B) of this subsection.

A) The portion of the alternative daily emissions limitation for coating operations at a source using non-powder coating (A₁) shall be determined for all such participating non-powder coating lines on a daily basis as follows:

.

1462 1463

1464

1465

1466

1467

1468 1469

1470

1471 1472

1473

1474 1475

1476

1481

1482 1483

1484 1485

1486

1461

 $\mathbf{u}^{\mathbf{i}}$

 $A_i = \sum_{i=l}^n V_i L_i \frac{\left(D_i - C_i\right)}{\left(D_i - L_i\right)}$

where:

- A_i = The VOM emissions allowed for the day in units of kg/day (lbs/day);
- i = Subscript denoting a specific coating applied;
- n = Total number of coatings applied by all participating coating lines at the source;
- C_i = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);
- D_i = The density of VOM in each coating applied. For the purposes of calculating A_i, the density is 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM);
- V_i = Volume of each coating applied for the day in units of 1 (gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); and
- L_i = The VOM emission limitation for each coating applied, as specified in Section 219.204 of this Subpart, in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).
- B) The portion of the alternative daily emission limitation for coating operations at a source using powdered coating (A_p) shall be determined for all such participating powder coating lines at the source on a daily basis as follows:

$$A_{p} = \sum_{h=1}^{m} \sum_{j=1}^{n} \frac{V_{j} L_{j} D_{j} K_{h}}{(D_{j} - L_{j})}$$

1487

n*

1488

1489

1490

1491

1494 1495

1492 1493

1496 1497

1498

1500 1501

* n[¥]

where:

- A_p = The VOM emissions allowed for the day in units of kg/day (lbs/day);
- h = Subscript denoting a specific powder coating line;
- j = Subscript denoting a specific powder coating applied;
- m = Total number of participating powder coating lines;
- n = Total number of powder coatings applied in the participating coating lines;
- D_j = The assumed density of VOM in liquid coating, 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM);
- V_j = Volume of each powder coating consumed for the day in units of 1 (gal) of coating;
- L_j = The VOM emission limitation for each coating applied, as specified in Section 219.204 of this Subpart, in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); and
- K = A constant for each individual coating line representing the ratio of the volume of coating solids consumed on the liquid coating system which has been replaced to the volume of powder coating consumed on the replacement line to accomplish the same coating job. This value shall be determined by the source based on tests conducted and records maintained pursuant to the requirements of Section 219.213 of this Subpart demonstrating the amount of coating solids consumed as both liquid and powder. Tests methods and recordkeeping requirements shall be approved by the Agency and USEPA and contained in the source's operating permit as federally enforceable permit conditions, subject to the following restrictions:
 - i) K cannot exceed 0.9 for non-recycled powder coating systems; or
 - ii) K cannot exceed 2.0 for recycled powder coating

	systems.								
1502									
1503	(Sour	ce: An	nended at 34 Ill. Reg, effective)						
1504									
1505	Section 219.2	218 W	ork Practice Standards for Paper Coatings, Metal Furniture Coatings,						
1506 and Large Appliance Coatings									
1507									
1508	<u>a)</u>	<u>On ar</u>	nd after May 1, 2011, every owner or operator of a source subject to the						
1509		requirements of Section 219.204(c) of this Subpart shall:							
1510									
1511		<u>1)</u>	Store all VOM-containing cleaning materials in closed containers;						
1512									
1513		<u>2)</u>	Ensure that mixing and storage containers used for VOM-containing						
1514			materials are kept closed at all times except when depositing or removin						
1515			those materials;						
1516									
1517		<u>3)</u>	Minimize spills of VOM-containing cleaning materials;						
1518									
1519		<u>4)</u>	Convey VOM-containing cleaning materials from one location to another						
1520			in closed containers or pipes; and						
1521									
1522		<u>5)</u>	Minimize VOM emissions from the cleaning of storage, mixing, and						
1523			conveying equipment.						
1524									
1525	<u>b)</u>	<u>On ar</u>	nd after May 1, 2011, every owner or operator of a source subject to the						
1526		<u>requi</u>	rements of Section 219.204(g) or 219.204(h) of this Subpart shall:						
1527									
1528		<u>1)</u>	Store all VOM-containing coatings, thinners, coating-related waste						
1529			materials, cleaning materials, and used shop towels in closed containers;						
1530									
1531		<u>2)</u>	Ensure that mixing and storage containers used for VOM-containing						
1532			coatings, thinners, coating-related waste materials, and cleaning materials						
1533			are kept closed at all times except when depositing or removing those						
1534			materials;						
1535									
1536		<u>3)</u>	Minimize spills of VOM-containing coatings, thinners, coating-related						
1537			waste materials, and cleaning materials, and clean up spills immediately;						
1538									
1539		<u>4)</u>	Convey VOM-containing coatings, thinners, coating-related waste						
1540			materials, and cleaning materials from one location to another in closed						
1541			containers or pipes; and						
1542									

a ei¹

1543	<u>5)</u>	Minimize VOM en	missions from the clea	ning of storage, mixing, and
1544		conveying equipm	ient.	
1545				
1546	(Source: Adde	ed at 34 Ill. Reg	, effective)