

ILLINOIS POLLUTION CONTROL BOARD  
April 19, 2007

IN THE MATTER OF: )  
)  
ORGANIC MATERIAL EMISSION ) R06-21  
STANDARDS AND LIMITATIONS FOR ) (Rulemaking – Air)  
THE CHICAGO AND METRO-EAST )  
AREAS: PROPOSED AMENDMENTS TO )  
35 ILL. CODE 218 AND 219 )

Adopted Rule. Final Order.

OPINION AND ORDER OF THE BOARD (by T.E. Johnson):

The Illinois Environmental Protection Agency (Agency) initiated this rulemaking by filing a proposal to amend Parts 218 and 219 of the Board’s volatile organic material (VOM) emission rules (35 Ill. Adm. Code 218, 219). The proposal seeks to allow the use of add-on controls as a compliance option for operations using cold cleaning solvent degreasing in the Chicago and Metro-East ozone nonattainment areas. By today’s action, the Board adopts as final rules the amendments proposed at second notice.

On October 6, 2006, the amendments proposed for first notice appeared in the *Illinois Register* at 30 *Ill. Reg.* 15867, 15892. On March 1, 2007, the Board proposed rule amendments for second-notice review by the Joint Committee on Administrative Rules (JCAR). JCAR considered the rulemaking at its April 18, 2007 meeting, and issued a certification of no objection to the rule amendments.

In this opinion, the Board will provide background on this rulemaking, give an overview of the adopted amendments, and discuss the economic reasonableness and technical feasibility of the rules, as well as other issues addressed in this proceeding.

**BACKGROUND**

The Agency filed the proposal on December 22, 2005. The rulemaking amends two subsections of the requirements found in Sections 218.182 and 219.182 (35 Ill. Adm. Code 218.182, 219.182). The rulemaking also amends Appendix H of both Parts 218 and 219.

Solvent cleaning, or degreasing as it is commonly called, is a process using aqueous liquids or non-aqueous organic solvents to clean and remove soils from surfaces. Proposal (Prop.) at 2. Solvent cleaning is divided into three major types: cold cleaning; open-top vapor degreasing; and conveyORIZED degreasing. *Id.* Evaporation of the solvent used during degreasing results in VOM emissions that react with other pollutants such as nitrogen oxide and carbon monoxide to form ozone. *Id.*

In 1997, as a part of the 9% Rate of Progress (ROP) plan, the Board adopted control measures proposed by the Agency to reduce VOM emissions for cold cleaning degreaser operations in the Chicago and Metro-East ozone nonattainment areas. Prop. at 3. These measures, which are codified at 35 Ill. Adm. Code 218.182 and 219.182, lowered the allowed solvent vapor pressure for operations in the Chicago and Metro-East areas to 2.0 millimeters of mercury (mmHg) by 1999 and 1.0 mmHg by 2001. *Id.* The Agency estimated that the implementation of the lower vapor pressure would result in a VOM emission reduction of 11.35 tons per day by 1999 and an additional 11.68 tons per day by 2001. The 1997 ROP regulations do not allow the use of add-on controls for cold cleaning degreasers as an alternative to complying with the solvent vapor limit.

Diversapack, a printing company that recycles its solvents in a totally enclosed parts washer and uses add-on controls for the abatement of process emissions, contacted the Agency in May 2003, regarding a possible variance from the vapor pressure limits at 35 Ill. Adm. Code 218.182(c). Prop. at 2. Diversapack uses solvents compatible with its printing operations, but which do not meet the current vapor pressure requirements. *Id.* The Agency identified three additional point sources in the Chicago area that use add-on controls plus solvents that do not meet the lower vapor pressure limits. *Id.*

In lieu of site-specific rulemakings for each of the identified facilities, the Agency proposed revisions to 35 Ill. Adm. Code 218 and 219. Prop. at 2. Specifically, the Agency proposed revising Sections 218.182 and 219.182 to allow for add-on controls or equivalent alternative control plans as compliance options, as well as additional revisions concerning solvent sale, solvent use, add-on control testing, and recordkeeping requirements. *Id.* at 3.

The Agency notes that currently an eight-hour ozone National Ambient Air Quality Standard (NAAQS) is in effect for the Chicago and the Metro-East areas, designating each as a moderate ozone nonattainment area. Prop. at 3. This eight-hour ozone NAAQS replaced the previous one-hour standard on June 15, 2005. However, given that the United States Environmental Protection Agency (USEPA) has a policy against regression, the control measures adopted to meet the one-hour standard must still be maintained. *Id.* at 4. Further, under the federal Clean Air Act and the USEPA State Implementation Plan (SIP), failure to obtain equivalent emissions reductions from the cold cleaning sources would require the Agency to make up the deficiency through the implementation of contingency control measures. *Id.* at 3-4. According to the Agency, USEPA has indicated that the 95% control level proposed here is sufficient for this emissions source category. *Id.* at 4.

Two hearings were held before Board Hearing Officer John Knittle. The first hearing was held on April 19, 2006, in Chicago. The second hearing was held on May 17, 2006, in Edwardsville. During those hearings, the Board heard the testimony of Gary E. Beckstead from the Agency's Bureau of Air. In addition, the Board has received two public comments in this proceeding; the first from the Illinois Environmental Regulatory Group (IERG), filed in support of the proposal on June 14, 2006; the second from the Agency, also filed in support of the proposal on June 15, 2006.

As required by Section 27(b) of the Environmental Protection Act (415 ILCS 5/27(b) (2004)), the Board requested that the Department of Commerce and Economic Opportunity (DCEO) conduct an economic impact study (EcIS) on this rulemaking. The Board's EcIS request, dated February 22, 2006, was placed in this rulemaking's docket. DCEO did not respond to the Board's request. At the second hearing, the hearing officer noted the Board's EcIS request to DCEO and DCEO's lack of response, affording anyone the opportunity to testify. No one testified about DCEO's lack of response. Tr.2 at 5-6.

The Board adopted first-notice rules on September 21, 2006. The Board found that the Agency's proposal, as amended by Agency *errata* sheets 1 and 2, is technically feasible and economically reasonable. The proposed first-notice amendments appeared in the *Illinois Register* on October 6, 2006 at 30 *Ill. Reg.* 15867, 15892. The Board received no public comments during the 45-day first-notice public-comment period, which ended on November 26, 2006. On March 1, 2007, the Board proposed the rulemaking for second notice. JCAR considered the rulemaking at its April 18, 2007 meeting, and issued a certification of no objection to the rule amendments.

### **OVERVIEW OF AMENDMENTS**

The adopted rule amendments to Parts 218 and 219 on VOM emissions are unchanged from the amendments proposed at second notice. The amendments revise the Board's cold cleaning degreaser rules applicable to facilities in the Chicago and Metro-East ozone nonattainment areas. The final amendments allow the use of add-on controls as an alternative to using solvents with vapor pressure of 1.0 mmHg or less. Likewise, the adopted amendments also allow the use of an equivalent alternative control plan to comply with the control measure requirements. In addition, the adopted amendments provide the testing procedures and recordkeeping requirements for add-on controls and equivalent alternative controls. The Board also amends the "paper coating" note at Appendix H in Parts 218 and 219 to reflect language added to the "paper coating" note elsewhere in Parts 218 and 219 in a prior rulemaking.

### **DISCUSSION**

The record shows that in the cases of both add-on controls and equivalent alternative control plans, the amendments offer additional options to supplement the technically feasible low vapor pressure solvent requirement already in place. The Board agrees with the Agency's assertion that the technical feasibility of add-on controls for point source cold cleaning degreasers is already being demonstrated. The Board further concurs with the Agency's assertion that the technical feasibility of add-on controls for point source cold cleaning can result in waste being minimized through solvent being reused.

The Board agrees with the Agency that the proposal is economically reasonable and offers cost benefits compared to converting to low vapor pressure solvents for some cold cleaning operations. The Board also agrees with the Agency that additional costs and inefficiencies would occur if these existing sources are required to use the low vapor pressure solvents.

The Board received no public comments during the first-notice public-comment period. No substantive changes to the second-notice proposal have been received from JCAR. Based on this record, the Board finds the amendments are technically feasible and economically reasonable.

Additionally, at second notice, the Board made changes to the internal effective dates of the rule. The rule, as proposed by the Agency, provided that the requirements of Sections 218.182(c)(3) and 219.182(c)(3) would be effective November 30, 2006. To avoid a retroactive application of this rule, the Board changed that date to May 30, 2007. For consistency, a corresponding change was made to the added provisions mandating the testing of add-on controls at Sections 218.182(c)(4)(C) and 219.182(c)(4)(C). Add-on controls operating before May 30, 2007, will have to be tested by August 31, 2007, and newly constructed add-on controls will have to be tested within 90 days after initial startup.

As discussed in detail at first notice, the Board is amending the “paper coating” note at Appendix H in Parts 218 and 219. These amendments were inadvertently not made in consolidated rulemaking docket R04-12/20. *See Clean-Up Part III Amendments to 35 Ill. Adm. Code Parts 211, 218, and 219, R04-20, Technical Corrections to Formulas in 35 Ill. Adm. Code 214 “Sulfur Limitations”, R04-12 (cons.) (Mar. 2, 2006).* The changes will ensure wording consistency with the already-amended “paper coating” note at Sections 218.204(c) and 219.204(c), adopted in R04-12/20.

### **CONCLUSION**

Today’s action amends Parts 218 and 219 of the Board’s VOM emission rules (35 Ill. Adm. Code 218, 219). The adopted amendments allow the use of add-on controls as a compliance option for operations using cold cleaning solvent degreasing in the Chicago and Metro-East ozone nonattainment areas. The Board also adopts amendments to the “paper coating” note at Appendix H in Parts 218 and 219, which amendments were inadvertently not made in R04-12/20. Based on the record before it, the Board finds that the amendments are technically feasible and economically reasonable and that adoption of the amendments as final rules is warranted.

### **ORDER**

The Board directs the Clerk to file the following adopted rule amendments with the Secretary of State for final notice publication in the *Illinois Register* and adoption in the *Illinois Administrative Code*.

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

PART 218

ORGANIC MATERIAL EMISSION STANDARDS AND  
LIMITATIONS FOR THE CHICAGO AREA

SUBPART A: GENERAL PROVISIONS

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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

SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING  
OPERATIONS

Section	
218.119	Applicability for VOL
218.120	Control Requirements for Storage Containers of VOL
218.121	Storage Containers of VPL
218.122	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	Safety Relief Valves

## SUBPART E: SOLVENT CLEANING

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218.181	Solvent Cleaning in General
218.182	Cold Cleaning
218.183	Open Top Vapor Degreasing
218.184	Conveyorized Degreasing
218.185	Compliance Schedule (Repealed)
218.186	Test Methods

## SUBPART F: COATING OPERATIONS

Section	
218.204	Emission Limitations
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
218.211	Recordkeeping and Reporting
218.212	Cross-Line Averaging to Establish Compliance for Coating Lines
218.213	Recordkeeping and Reporting for Cross-Line Averaging Participating Coating Lines
218.214	Changing Compliance Methods
218.215	Wood Furniture Coating Averaging Approach
218.216	Wood Furniture Coating Add-On Control Use
218.217	Wood Furniture Coating Work Practice Standards

## 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	
218.401	Flexographic and Rotogravure Printing
218.402	Applicability
218.403	Compliance Schedule
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

- Section
- 218.421 General Requirements
- 218.422 Inspection Program Plan for Leaks
- 218.423 Inspection Program for Leaks
- 218.424 Repairing Leaks
- 218.425 Recordkeeping for Leaks
- 218.426 Report for Leaks
- 218.427 Alternative Program for Leaks
- 218.428 Open-Ended Valves
- 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 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
- 218.453 Compliance Dates (Repealed)

SUBPART S: RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS

- Section
- 218.461 Manufacture of Pneumatic Rubber Tires
- 218.462 Green Tire Spraying Operations
- 218.463 Alternative Emission Reduction Systems

218.464	Emission Testing
218.465	Compliance Dates (Repealed)
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218.482	Control of Air Dryers, Production Equipment Exhaust Systems and Filters
218.483	Material Storage and Transfer
218.484	In-Process Tanks
218.485	Leaks
218.486	Other Emission Units
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#### SUBPART V: BATCH OPERATIONS AND AIR OXIDATION PROCESSES

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218.521	Definitions (Repealed)
218.522	Savings Clause
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218.525	Emission Limitations for Air Oxidation Processes
218.526	Testing and Monitoring
218.527	Compliance Date (Repealed)

#### SUBPART W: AGRICULTURE

Section	
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#### SUBPART X: CONSTRUCTION

Section	
218.561	Architectural Coatings
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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)
218.604	Compliance Dates (Repealed)
218.605	Compliance Plan (Repealed)
218.606	Exception to Compliance Plan (Repealed)
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
218.621	Exemption for Waterbase Material and Heatset Offset Ink
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218.624	Open Top Mills, Tanks, Vats or Vessels
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### SUBPART BB: POLYSTYRENE PLANTS

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218.642	Emissions Limitation at Polystyrene Plants
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218.660	Applicability
218.666	Control Requirements
218.667	Compliance Schedule
218.668	Testing
218.670	Recordkeeping and Reporting for Exempt Emission Units
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## SUBPART DD: AEROSOL CAN FILLING

Section	
218.680	Applicability
218.686	Control Requirements
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218.690	Recordkeeping and Reporting for Exempt Emission Units
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## 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 (Repealed)

## SUBPART GG: MARINE TERMINALS

Section	
218.760	Applicability
218.762	Control Requirements
218.764	Compliance Certification
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218.780	Emission Limitations
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218.784	Equipment Specifications
218.786	Surface Preparation Materials
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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)
218.883	Special Requirements for Compliance Plan (Repealed)
218.886	Emissions Testing (Renumbered)

SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT  
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Section	
218.920	Applicability
218.923	Permit Conditions (Repealed)
218.926	Control Requirements
218.927	Compliance Schedule
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SUBPART QQ: MISCELLANEOUS FORMULATION MANUFACTURING  
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Section	
218.940	Applicability
218.943	Permit Conditions (Repealed)
218.946	Control Requirements
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SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL  
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Section	
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218.963	Permit Conditions (Repealed)
218.966	Control Requirements
218.967	Compliance Schedule
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SUBPART TT: OTHER EMISSION UNITS

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218.983	Permit Conditions (Repealed)
218.986	Control Requirements
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## Section

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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  
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 218.APPENDIX E: List of Affected Marine Terminals  
 218.APPENDIX G: TRE Index Measurements for SOCFI Reactors and Distillation Units  
 218.APPENDIX H: Baseline VOM Content Limitations for Subpart F, Section 218.212 Cross-Line Averaging

AUTHORITY: Implementing Section 10 and authorized by Sections 27, 28, 28.5 of the Environmental Protection Act [415 ILCS 5/10 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, 1997; amended in R97-31 at 22 Ill. Reg. 3556, effective February 2, 1998; amended in R98-16 at 22 Ill. Reg. 14282, effective July 16, 1998; amended in R02-20 at 27 Ill. Reg 7283, effective April 8, 2003; amended in R04-12/20 at 30 Ill. Reg. 9684, effective May 15, 2006; amended in R06-21 at 31 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_.

#### SUBPART E: SOLVENT CLEANING

Section 218.182 Cold Cleaning

- a) Operating Procedures: No person shall operate a cold cleaning degreaser unless:
- 1) Waste solvent is stored in covered containers only and not disposed of in such a manner that more than 20% of the waste solvent (by weight) is allowed to evaporate into the atmosphere;
  - 2) The cover of the degreaser is closed when parts are not being handled; and
  - 3) Parts are drained until dripping ceases.

- b) Equipment Requirements: No person shall operate a cold cleaning degreaser unless:
- 1) The degreaser is equipped with a cover, which is closed whenever parts are not being handled in the cleaner. The cover shall be designed to be easily operated with one hand or with the mechanical assistance of springs, counter-weights or a powered system if:
    - A) The solvent vapor pressure is greater than 2 kPa (15 mmHg or 0.3 psi) measured at 38°C (100°F);
    - B) The solvent is agitated; or
    - C) The solvent is heated above ambient room temperature.
  - 2) The degreaser is equipped with a device for draining cleaned parts. The drainage device shall be constructed so that parts are enclosed under the cover while draining unless:
    - A) The solvent vapor pressure is less than 4.3 kPa (32 mmHg or 0.6 psi) measured at 38°C (100°F); or
    - B) An internal drainage device cannot be fitted into the cleaning system, in which case the drainage device may be external.
  - 3) The degreaser is equipped with one of the following control devices if the vapor pressure of the solvent is greater than 4.3 kPa (32 mmHg or 0.6 psi) measured at 38°C (100°F) or if the solvent is heated above 50°C (120°F) or its boiling point:
    - A) A freeboard height of 7/10 of the inside width of the tank or 91 cm (36 in), whichever is less; or
    - B) Any other equipment or system of equivalent emission control as approved by the Agency and further processed consistent with Section 218.108 of this Part. Such a system may include a water cover, refrigerated chiller or carbon adsorber.
  - 4) A permanent conspicuous label summarizing the operating procedure is affixed to the degreaser; and
  - 5) If a solvent spray is used, the degreaser is equipped with a solid fluid stream spray, rather than a fine, atomized or shower spray.
- c) Material and Control Requirements:

- 1) On and after March 15, 1999, no person shall:
  - A) Cause or allow the sale of solvent with a vapor pressure which exceeds 2.0 mmHg (0.038 psi) measured at 20° C (68° F) in units greater than five gallons, for use in cold cleaning degreasing operations located in the area covered by Section 218.103 of this Part.
  - B) Operate a cold cleaning degreaser with a solvent vapor pressure which exceeds 2.0 mmHg (0.038 psi) measured at 20° C (68° F).
- 2) On and after March 15, 2001, no person shall:
  - A) Cause or allow the sale of solvent with a vapor pressure which exceeds 1.0 mmHg (0.019 psi) measured at 20° C (68° F) in units greater than five gallons, for use in cold cleaning degreasing operations located in the area covered by Section 218.103 of this Part.
  - B) Operate a cold cleaning degreaser with a solvent vapor pressure which exceeds 1.0 mmHg (0.019 psi) measured at 20° C (68° F).
- 3) On and after May 30, 2007, no person shall:
  - A) Cause or allow the sale of solvent with a vapor pressure which exceeds 1.0 mmHg (0.019 psi) measured at 20° C (68° F) in units greater than five gallons, for use in cold cleaning degreasing operations located in the area covered by Section 218.103 of this Part, unless the purchaser provides a copy of a valid state or federal construction or operating permit or a copy of the Federal Register demonstrating that the purchaser is in compliance with the control requirements of subsection (c)(4) of this Section or is exempt under subsection (f) or (g) of this Section.
  - B) Operate a cold cleaning degreaser with a solvent vapor pressure which exceeds 1.0 mmHg (0.019 psi) measured at 20° C (68° F), unless the person is in compliance with the control requirements of subsection (c)(4) of this Section or is exempt under subsection (f) or (g) of this Section.
- 4) Control Requirements:
  - A) A person may operate a cold cleaning degreaser using solvent with a vapor pressure greater than 1.0 mmHg (0.019 psi) but less than 56 mmHg (1.064 psi) measured at 20° C (68° F) provided add-on

control devices demonstrating at least 95 percent overall capture and control of emissions are used. The add-on controls may include, but are not limited to, carbon adsorbers or afterburners.

B) An equivalent alternative control plan may be used to meet the control requirements of this Section pursuant to Section 218.108 of this Part. Pursuant to the material requirements of subsection (c)(3)(B) of this Section, a solvent with a vapor pressure of 1.0 mmHg (0.019 psi) measured at 20° C (68° F) shall be the basis for assessment of equivalent emissions from any equivalent alternative control plan. If used as an equivalent alternative control plan, an add-on control must demonstrate at least a 95 percent overall capture and control efficiency. A control plan approved by the Agency shall be effective only when included in a federally enforceable permit or approved by the USEPA as a SIP revision pursuant to Section 218.108 of this Part.

C) Add-on controls operating at a source prior to May 30, 2007, must be tested by August 31, 2007. Add-on controls constructed on or after May 30, 2007, must be tested within 90 days of initial startup. Testing procedures and recordkeeping for add-on controls and equivalent alternative controls subject to subsections (c)(4)(A) and (B) of this Section are to be performed pursuant to Section 218.105 (c), (d), (e) and (f) of this Part.

d) Recordkeeping and Reporting Requirements: On and after March 15, 1999:

- 1) All persons subject to the requirements of subsections (c)(1)(A), ~~and~~ (c)(2)(A), and (c)(3)(A) of this Section must maintain records which include for each sale:
  - A) The name and address of the solvent purchaser;
  - B) The date of sale;
  - C) The type of solvent;
  - D) The unit volume of solvent;
  - E) The total volume of solvent; and
  - F) The vapor pressure of the solvent measured in mmHg at 20° C (68° F).
- 2) All persons subject to the requirements of subsections (c)(1)(B), ~~and~~ (c)(2)(B), and (c)(3)(B) of this Section must maintain records which

include for each purchase:

- A) The name and address of the solvent supplier;
- B) The date of purchase;
- C) The type of solvent; ~~and~~
- D) The vapor pressure of the solvent measured in mmHg at 20° C (68° F); and
- E) For any mixture of solvents, the vapor pressure of the mixture, as used, measured in mmHg at 20° C (68° F).

3) All persons subject to the requirements of subsection (c)(4) of this Section must maintain records, which include for each purchase:

- A) The name and address of the solvent supplier;
- B) The date of purchase;
- C) The type of solvent;
- D) The unit volume of solvent;
- E) The total volume of solvent;
- F) The vapor pressure of the solvent measured in mmHg at 20° C (68° F); and
- G) For any mixture of solvents, the vapor pressure of the mixture, as used, measured in mmHg at 20° C (68° F).

4) All persons subject to the requirements of subsection (c)(4) of this Section shall maintain records documenting the use of good operating practices consistent with the equipment manufacturer's specifications for the cold cleaning degreasers and add-on control equipment. At a minimum these records shall include:

- A) Records for periodic inspection of the cold cleaning degreasers and add-on control equipment with date of inspection, individual performing the inspection, and nature of inspection;
- B) Records for repair of malfunctions and breakdowns with identification and description of incident, date identified, date

repaired, nature of repair, and the amount of VOM that escaped into the atmosphere as a result of the incident;

C) Control device monitoring and recording data; and

D) A daily log of operating time for the control device, monitoring equipment, and all associated degreasers.

5) All persons subject to the requirements of subsection (c) of this Section shall notify the Agency at least 30 days before changing the method of compliance between subsection (c)(3) and (c)(4) of this Section. Such notification shall include a demonstration of compliance with the newly applicable subsection.

6) All persons subject to the requirements of subsection (b) or (c) of this Section shall notify the Agency of any violation of subsection (b) or (c) of this Section by sending a description of the violation and copies of records documenting such violations to the Agency within 30 days following the occurrence of the violation.

- e) All records required by subsection (d) of this Section shall be retained for three years and shall be made available to the Agency upon request.
- f) The cleaning of electronic components as defined in 35 Ill. Adm. Code Section 211.1885 is exempt from the requirements of subsection(c) of this Section.
- g) Any cold cleaning taking place in a Detrex cold batch degreaser Model #2D-CC-SPL Size 24-4-10, or substantial equivalent, including automated loading of parts, totally enclosed operation (excluding loading or unloading) and permitted by the Agency, is exempt from the requirements of subsection (c) of this Section.

(Source: Amended at 30 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

Section 218.APPENDIX H                      Baseline VOM Content Limitations for Subpart F, Section 218.212 Cross-Line Averaging

This Appendix contains limitations for purposes of determining compliance with the requirements in Section 218.212 of this Part. A source must establish that, at very least, each participating coating line used for purposes of cross-line averaging meets the Federal Implementation Plan level of VOM content, as listed below. The emission limitations for participating coating lines that must not be exceeded are as follows:

- |    |                                        |      |        |
|----|----------------------------------------|------|--------|
| a) | Automobile or Light-Duty Truck Coating | kg/l | lb/gal |
|    | 1) Prime coat                          | 0.14 | (1.2)  |

- 2) Primer surface coat 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 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 surface limitation.)

- 3) Topcoat kg/l lb/gal  
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) Final repair coat kg/l lb/gal  
0.58 (4.8)

- b) Can Coating kg/l lb/gal

- 1) Sheet basecoat and overvarnish 0.34 (2.8)

- 2) Exterior basecoat and overvarnish 0.34 (2.8)

- 3) Interior body spray coat 0.51 (4.2)

- 4) Exterior end coat 0.51 (4.2)

- 5) Side seam spray coat 0.66 (5.5)

- 6) End sealing compound coat 0.44 (3.7)

- c) Paper Coating kg/l lb/gal  
0.35 (2.9)

(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 ~~Subpart H: Printing and Publishing~~, 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.)

		kg/l	lb/gal
d)	Coil Coating	0.31	(2.6)
e)	Fabric Coating	0.35	(2.9)
f)	Vinyl Coating	0.45	(3.8)
g)	Metal Furniture Coating		
	1) Air Dried	0.36	(3.0)
	2) Baked	0.36	(3.0)
h)	Large Appliance Coating		
	1) Air Dried	0.34	(2.8)
	2) Baked	0.34	(2.8)

(Note: The limitation shall not apply to the use of quick-drying lacquers for repair of scratches and nicks that occur during assembly, provided that the volume of coating does not exceed 0.95 l (1 quart) in any one rolling eight-hour period.)

		kg/l	lb/gal
i)	Magnet Wire Coating	0.20	(1.7)
j)	Miscellaneous Metal Parts and Products Coating		
	1) Clear coating	0.52	(4.3)
	2) Extreme performance coating		
	A) Air Dried	0.42	(3.5)
	B) Baked	0.42	(3.5)

3)	Steel pail and drum interior coating	0.52	(4.3)	
4)	All other coatings			
	A) Air Dried	0.42	(3.5)	
	B) Baked	0.36	(3.0)	
k)	Heavy Off-Highway Vehicle Products Coating	kg/l		
		lb/gal		
1)	Extreme performance prime coat	0.42	(3.5)	
2)	Extreme performance top- coat (air dried)	0.42		(3.5)
3)	Final repair coat (air dried)	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.			
l)	Wood Furniture Coating	kg/l	lb/gal	
1)	Clear topcoat	0.67	(5.6)	
2)	Opaque stain	0.56	(4.7)	
3)	Pigmented coat	0.60	(5.0)	
4)	Repair coat	0.67	(5.6)	
5)	Sealer	0.67	(5.6)	
6)	Semi-transparent stain	0.79	(6.6)	
7)	Wash coat	0.73	(6.1)	

(Note: 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 (HVLV) application system.)

m)	Existing Diesel-Electric Locomotive Coating Lines in Cook County	kg/l	lb/gal
1)	Extreme performance prime coat	0.42	(3.5)
2)	Extreme performance topcoat (air dried)	0.42	(3.5)
3)	Final repair coat (air dried)	0.42	(3.5)
4)	High-temperature aluminum coating	0.72	(6.0)
5)	All other coatings	0.36	(3.0)
n)	Plastic Parts Coating: Automotive/Transportation	kg/l	lb/gal
1)	Interiors		
	A) Baked		
	i) Color Coat	0.49	(4.1)
	ii) Primer	0.46	(3.8)
	B) Air Dried		
	i) Color Coat	0.38	(3.2)
	ii) Primer	0.42	(3.5)
2)	Exteriors (flexible and non-flexible)		
	A) Baked		
	i) Primer	0.60	(5.0)
	ii) Primer non-flexible	0.54	(4.5)
	iii) Clear Coat	0.52	(4.3)
	iv) Color Coat	0.55	(4.6)
	B) Air Dried		
	i) Primer	0.66	(5.5)

	ii)	Clear coat	0.54	(4.5)
	iii)	Color coat (red & black)	0.67	(5.6)
	iv)	Color coat (others)	0.61	(5.1)
3)		Specialty		
	A)	Vacuum metallizing basecoats, texture basecoats	0.66	(5.5)
	B)	Black coatings, reflective argent coatings, air bag cover coatings, and soft coatings	0.71	(5.9)
	C)	Gloss reducers, vacuum metallizing topcoats, and texture topcoats	0.77	(6.4)
	D)	Stencil coatings, adhesion primers, ink pad coatings, electrostatic prep coatings, and resist coatings	0.82	(6.8)
	E)	Head lamp lens coatings	0.89	(7.4)
o)		Plastic Parts Coating: Business Machine	kg/l	lb/gal
	1)	Primer	0.14	(1.2)
	2)	Color coat (non-texture coat)	0.28	(2.3)
	3)	Color coat (texture coat)	0.28	(2.3)
	4)	Electromagnetic interference/radio frequency interference (EMI/RFI) shielding coatings	0.48	(4.0)
	5)	Specialty Coatings		
	A)	Soft coat	0.52	(4.3)
	B)	Plating resist	0.71	(5.9)
	C)	Plating sensitizer	0.85	(7.1)*

(Source: Amended at 30 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

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

PART 219  
 ORGANIC MATERIAL EMISSION STANDARDS AND LIMITATIONS FOR  
 THE METRO EAST AREA

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APPENDIX H: Baseline VOM Content Limitations for Subpart F, Section 219.212 Cross-Line Averaging

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

SOURCE: Adopted at 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 days, 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. Reg. 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 30 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_.

SUBPART E: SOLVENT CLEANING

Section 219.182 Cold Cleaning

- a) Operating Procedures: No person shall operate a cold cleaning degreaser unless:
  - 1) Waste solvent is stored in covered containers only and not disposed of in such a manner that more than 20% of the waste solvent (by weight) is allowed to evaporate into the atmosphere;
  - 2) The cover of the degreaser is closed when parts are not being handled; and
  - 3) Parts are drained until dripping ceases.
- b) Equipment Requirements: No person shall operate a cold cleaning degreaser unless:
  - 1) The degreaser is equipped with a cover which is closed whenever parts are not being handled in the cleaner. The cover shall be designed to be easily operated with one hand or with the mechanical assistance of springs, counter-weights or a powered system if:
    - A) The solvent vapor pressure is greater than 2 kPa (15 mmHg or 0.3 psi) measured at 38° C (100° F);

- B) The solvent is agitated; or
  - C) The solvent is heated above ambient room temperature.
- 2) The degreaser is equipped with a device for draining cleaned parts. The drainage device shall be constructed so that parts are enclosed under the cover while draining unless:
- A) The solvent vapor pressure is less than 4.3 kPa (32 mmHg or 0.6 psi) measured at 38° C (100° F); or
  - B) An internal drainage device cannot be fitted into the cleaning system, in which case the drainage device may be external.
- 3) The degreaser is equipped with one of the following control devices if the vapor pressure of the solvent is greater than 4.3 kPa (32 mmHg or 0.6 psi) measured at 38° C (100° F) or if the solvent is heated above 50° C (120° F) or its boiling point:
- A) A freeboard height of 7/10 of the inside width of the tank or 91 cm (36 in), whichever is less; or
  - B) Any other equipment or system of equivalent emission control as approved by the Agency and further processed consistent with Section 219.108 of this Part. Such a system may include a water cover, refrigerated chiller or carbon adsorber.
- 4) A permanent conspicuous label summarizing the operating procedure is affixed to the degreaser; and
- 5) If a solvent spray is used, the degreaser is equipped with a solid fluid stream spray, rather than a fine, atomized or shower spray.
- c) Material and Control Requirements:
- 1) On and after March 15, 1999, no person shall:
    - A) Cause or allow the sale of solvent with a vapor pressure which exceeds 2.0 mmHg (0.038 psi) measured at 20° C (68° F) in units greater than five (~~5~~) gallons, for use in cold cleaning degreasing operations located in the area covered by Section 219.103 of this Part.
    - B) Operate a cold cleaning degreaser with a solvent vapor pressure which exceeds 2.0 mmHg (0.038 psi) measured at 20° C (68° F).

- 2) On and after March 15, 2001, no person shall:
  - A) Cause or allow the sale of solvent with a vapor pressure which exceeds 1.0 mmHg (0.019 psi) measured at 20° C (68° F) in units greater than five ~~(5)~~ gallons, for use in cold cleaning degreasing operations located in the area covered by Section 219.103 of this Part.
  - B) Operate a cold cleaning degreaser with a solvent vapor pressure which exceeds 1.0 mmHg (0.019 psi) measured at 20° C (68° F).
- 3) On and after May 30, 2007, no person may:
  - A) Cause or allow the sale of solvent with a vapor pressure which exceeds 1.0 mmHg (0.019 psi) measured at 20° C (68° F) in units greater than five gallons, for use in cold cleaning degreasing operations located in the area covered by Section 219.103 of this Part, unless the purchaser provides a copy of a valid state or federal construction or operating permit or a copy of the Federal Register demonstrating that the purchaser is in compliance with the control requirements of subsection (c)(4) of this Section or is exempt under subsection (f) or (g) of this Section.
  - B) Operate a cold cleaning degreaser with a solvent vapor pressure which exceeds 1.0 mmHg (0.019 psi) measured at 20° C (68° F), unless the person is in compliance with the control requirements of subsection (c)(4) of this Section or is exempt under subsection (f) or (g) of this Section.
- 4) Control Requirements:
  - A) A person may operate a cold cleaning degreaser using solvent with a vapor pressure greater than 1.0 mmHg (0.019 psi) but less than 56 mmHg (1.064 psi) measured at 20° C (68° F) provided add-on control devices demonstrating at least 95 percent overall capture and control of emissions are used. The add-on controls may include, but are not limited to, carbon adsorbers or afterburners.
  - B) An equivalent alternative control plan may be used to meet the control requirements of this Section pursuant to Section 219.108 of this Part. Pursuant to the material requirements of subsection (c)(3)(B) of this Section, a solvent with a vapor pressure of 1.0 mmHg (0.019 psi) measured at 20° C (68° F) shall be the basis for assessment of equivalent emissions from any equivalent alternative control plan. If used as an equivalent alternative control plan, an

add-on control must demonstrate at least a 95 percent overall capture and control efficiency. A control plan approved by the Agency shall be effective only when included in a federally enforceable permit or approved by the USEPA as a SIP revision pursuant to Section 219.108 of this Part.

C) Add-on controls operating at a source prior to May 30, 2007, must be tested by August 31, 2007. Add-on controls constructed on or after May 30, 2007 must be tested within 90 days of initial startup. Testing procedures and recordkeeping for add-on controls and equivalent alternative controls subject to subsections (c)(4)(A) and (B) of this Section are to be performed pursuant to Section 219.105 (c), (d), (e) and (f) of this Part.

d) Recordkeeping and Reporting Requirements: On and after March 15, 1999:

- 1) All persons subject to the requirements of subsections (c)(1)(A), ~~and (c)(2)(A), and (c)(3)(A)~~ of this Section must maintain records which include for each sale:
  - A) The name and address of the solvent purchaser;
  - B) The date of sale;
  - C) The type of solvent;
  - D) The unit volume of solvent;
  - E) The total volume of solvent; and
  - F) The vapor pressure of the solvent measured in mmHg at 20° C (68° F).
  
- 2) All persons subject to the requirements of subsections (c)(1)(B), ~~and (c)(2)(B), and (c)(3)(B)~~ of this Section must maintain records which include for each purchase:
  - A) The name and address of the solvent supplier;
  - B) The date of purchase;
  - C) The type of solvent; ~~and~~
  - D) The vapor pressure of the solvent measured in mmHg at 20° C (68° F); and

- E) For any mixture of solvents, the vapor pressure of the mixture, as used, measured in mmHg at 20° C (68° F).
- 3) All persons subject to the requirements of subsection (c)(4) of this Section must maintain records, which include for each purchase:
- A) The name and address of the solvent supplier;
  - B) The date of purchase;
  - C) The type of solvent;
  - D) The unit volume of solvent;
  - E) The total volume of solvent;
  - F) The vapor pressure of the solvent measured in mmHg at 20° C (68° F); and
  - G) For any mixture of solvents, the vapor pressure of the mixture, as used, measured in mmHg at 20° C (68° F).
- 4) All persons subject to the requirements of subsection (c)(4) of this Section shall maintain records documenting the use of good operating practices consistent with the equipment manufacturer's specifications for the cold cleaning degreasers and add-on control equipment. At a minimum these records shall include:
- A) Records for periodic inspection of the cold cleaning degreasers and add-on control equipment with date of inspection, individual performing the inspection, and nature of inspection;
  - B) Records for repair of malfunctions and breakdowns with identification and description of incident, date identified, date repaired, nature of repair, and the amount of VOM that escaped into the atmosphere as a result of the incident;
  - C) Control device monitoring and recording data; and
  - D) A daily log of operating time for the control device, monitoring equipment, and all associated degreasers.
- 5) All persons subject to the requirements of subsection (c) of this Section shall notify the Agency at least 30 days before changing the method of compliance between subsection (c)(3) and (c)(4) of this Section. Such

notification shall include a demonstration of compliance with the newly applicable subsection.

- 6) All persons subject to the requirements of subsection (b) or (c) of this Section shall notify the Agency of any violation of subsection (b) or (c) of this Section by sending a description of the violation and copies of records documenting such violations to the Agency within 30 days following the occurrence of the violation.
- e) All records required by subsection (d) of this Section shall be retained for three years and shall be made available to the Agency upon request.
- f) The cleaning of electronic components as defined in 35 Ill. Adm. Code Section 211.1885 is exempt from the requirements of subsection (c) of this Section.
- g) Any cold cleaning taking place in a Detrex cold batch degreaser Model #2D-CC-SPL Size 24-4-10, or substantial equivalent, including automated loading of parts, totally enclosed operation (excluding loading and unloading) and permitted by the Agency, is exempt from the requirements of subsection (c) of this Section.

(Source: Amended at 30 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

Section 219.Appendix H      Baseline VOM Content Limitations for Subpart F, Section 219.212  
Cross-Line Averaging

This Appendix contains limitations for purposes of determining compliance with the requirements in Section 219.212 of this Part. A source must establish that, at very least, each participating coating line used for purposes of cross-line averaging meets the Federal Implementation Plan level of VOM content, as listed below. The emission limitations for participating coating lines that must not be exceeded are as follows:

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

		kg/l	lb/gal
3)	Topcoat	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 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/l	lb/gal
4)	Final repair coat	0.58	(4.8)

b)	Can Coating	kg/l	lb/gal
1)	Sheet basecoat and overvarnish	0.34	(2.8)
2)	Exterior basecoat and overvarnish	0.34	(2.8)
3)	Interior body spray coat	0.51	(4.2)
4)	Exterior end coat	0.51	(4.2)
5)	Side seam spray coat	0.66	(5.5)
6)	End sealing compound coat	0.44	(3.7)
c)	Paper Coating	kg/l	lb/gal
		0.35	(2.9)

(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 ~~Subpart H: Printing and Publishing~~, 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.)

		kg/l	lb/gal
d)	Coil Coating	0.31	(2.6)
e)	Fabric Coating	0.35	(2.9)
f)	Vinyl Coating	0.45	(3.8)
g)	Metal Furniture Coating		
	1) Air Dried	0.36	(3.0)
	2) Baked	0.36	(3.0)
h)	Large Appliance Coating		
	1) Air Dried	0.34	(2.8)
	2) Baked	0.34	(2.8)

(Note: The limitation shall not apply to the use of quick-drying lacquers for repair of scratches and nicks that occur during assembly, provided that the volume of coating does not exceed 0.95 l (1 quart) in any one rolling eight-hour period.)

		kg/l	lb/gal
i)	Magnet Wire Coating	0.20	(1.7)
j)	Miscellaneous Metal Parts and Products Coating		
	1) Clear coating	0.52	(4.3)
	2) Extreme performance coating		
	A) Air Dried	0.42	(3.5)
	B) Baked	0.42	(3.5)
	3) Steel pail and drum interior coating	0.52	(4.3)
	4) All other coatings		

	A)	Air Dried	0.42	(3.5)
	B)	Baked	0.36	(3.0)
k)		Heavy Off-Highway Vehicle Products Coating	kg/l	lb/gal
	1)	Extreme performance prime coat	0.42	(3.5)
	2)	Extreme performance top-coat (air dried)	0.42	(3.5)
	3)	Final repair coat (air dried)	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.		
l)		Wood Furniture Coating	kg/l	lb/gal
	1)	Clear topcoat	0.67	(5.6)
	2)	Opaque stain	0.56	(4.7)
	3)	Pigmented coat	0.60	(5.0)
	4)	Repair coat	0.67	(5.6)
	5)	Sealer	0.67	(5.6)
	6)	Semi-transparent stain	0.79	(6.6)
	7)	Wash coat	0.73	(6.1)
		(Note: 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 (HVL) application system.)		
m)		Plastic Parts Coating:	Automotive/Transportation	

		kg/l	lb/gal
1)	Interiors		
	A) Baked		
	i) Color coat	0.49*	(4.1)*
	ii) Primer	0.46*	(3.8)*
	B) Air Dried		
	i) Color coat	0.38*	(3.2)*
	ii) Primer	0.42*	(3.5)*
2)	Exteriors (flexible and non-flexible)		
	A) Baked		
	i) Primer	0.60*	(5.0)*
	ii) Primer non- flexible	0.54*	(4.5)*
	iii) Clear coat	0.52*	(4.3)*
	iv) Color coat	0.55*	(4.6)*
	B) Air Dried		
	i) Primer	0.66*	(5.5)*
	ii) Clear coat	0.54*	(4.5)*
	iii) Color coat (red & black)	0.67*	(5.6)*
	iv) Color coat (others)	0.61*	(5.1)*
3)	Specialty		
	A) Vacuum metallizing	0.66*	(5.5)*

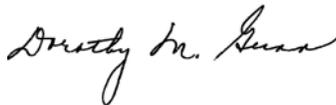
		basecoats, texture basecoats		
	B)	Black coatings, reflective argent coatings, air bag cover coatings, and soft coatings	0.71*	(5.9)*
	C)	Gloss reducers, vacuum metallizing topcoats, and texture topcoats	0.77*	(6.4)*
	D)	Stencil coatings, adhesion primers, ink pad coatings, electrostatic prep coatings, and resist coatings	0.82*	(6.8)*
	E)	Head lamp lens coatings	0.89*	(7.4)*
n)	Plastic Parts Coating:		Business Machine	
			kg/l	lb/gal
	1)	Primer	0.14*	(1.2)*
	2)	Color coat (non- texture coat)	0.28*	(2.3)*
	3)	Color coat (texture coat)	0.28*	(2.3)*
	4)	Electromagnetic interference/radio frequency interference (EMI/RFI) shielding coatings	0.48*	(4.0)*
	5)	Specialty Coatings		
	A)	Soft coat	0.52*	(4.3)*
	B)	Plating resist	0.71*	(5.9)*
	C)	Plating sensitizer	0.85*	(7.1)*

(Source: Amended at 30 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

IT IS SO ORDERED.

Section 41(a) of the Environmental Protection Act provides that final Board orders may be appealed directly to the Illinois Appellate Court within 35 days after the Board serves the order. 415 ILCS 5/41(a) (2004); *see also* 35 Ill. Adm. Code 101.300(d)(2), 101.906, 102.706. Illinois Supreme Court Rule 335 establishes filing requirements that apply when the Illinois Appellate Court, by statute, directly reviews administrative orders. 172 Ill. 2d R. 335. The Board's procedural rules provide that motions for the Board to reconsider or modify its final orders may be filed with the Board within 35 days after the order is received. 35 Ill. Adm. Code 101.520; *see also* 35 Ill. Adm. Code 101.902, 102.700, 102.702.

I, Dorothy M. Gunn, Clerk of the Illinois Pollution control Board, certify that the Board adopted the above opinion and order on April 19, 2007, by a vote of 3-0.



Dorothy M. Gunn, Clerk  
Illinois Pollution Control Board