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September 2, 2010

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SEP 08 2010

STATE OF ILLINOIS
Pollution Control Board

POLLUTION CONTROL BOARD
JOHN THERRIAULT ASSISTANT CLERK
100 W RANDOLPH ST, STE 11-500
CHICAGO, IL 60601

Dear JOHN THERRIAULT ASSISTANT CLERK

Your rules Listed below met our codification standards and have been published in Volume 34, Issue 37 of the Illinois Register, dated 9/10/2010.

PROPOSED RULES

Organic Material Emission Standards and Limitations for the Chicago Area 35 Ill. Adm. Code 218 Point of Contact: Nancy Miller	13020
Organic Material Emission Standards and Limitations for the Metro East Area 35 Ill. Adm. Code 219 Point of Contact: Nancy Miller	13047

If you have any questions, you may contact the Administrative Code Division at
(217) 782 - 7017.

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

1) Heading of the Part: Organic Material Emission Standards and Limitations for the Chicago Area

2) Code citation: 35 Ill. Adm. Code 218

3) <u>Section Numbers:</u>	<u>Proposed Action:</u>
218.187	Amend

4) Statutory authority: Implementing Sections 21, 22, 22.01 and 22.9, and authorized by Section 27 of the Environmental Protection Act [415 ILCS 5/21, 22, 22.01, 22.9, 27].

5) A complete description of the subjects and issues involved:

In a recent filing with the Board, the Illinois Environmental Protection Agency (Agency) stated that language recently adopted in R10-8 contained a technical error. The Agency indicated that this error made it impossible for sources subject to the adopted regulations to comply with applicable limitations. The Agency noted that, although the Board had opened a subdocket in order to address a separate issue, no rulemaking proposal addressing that issue had been timely filed. The Agency proposed to proceed in subdocket as the most efficient way to adopt a correction.

For a more detailed description of this rulemaking, see the Board's August 19, 2010, first-notice opinion and order: Reasonably Available Control Technology (RACT) for Volatile Organic Material Emissions from Group II Consumer & Commercial Products: Proposed Amendments to 35 Ill. Adm. Code 211, 218, and 219. (R10-08(A))

6) Published studies or reports, and sources of underlying data, used to compose this rulemaking:

The Agency, which initiated the proceeding in this subdocket, did not indicate that it had used a published study or report in developing the proposed correction.

7) Will these proposed rules replace emergency rules currently in effect? No.

8) Does this rulemaking contain an automatic repeal date? No.

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ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

9) Do these proposed rules contain incorporations by reference? No.

10) Are there any other amendments pending on this Part? Yes

<u>Section Numbers:</u>	<u>Proposed Action:</u>	<u>Illinois Register Citation</u>
218.105	Amend	34 Ill. Reg. 4335; April 2, 2010
218.106	Amend	34 Ill. Reg. 4335; April 2, 2010
218.112	Amend	34 Ill. Reg. 4335; April 2, 2010
218.204	Amend	34 Ill. Reg. 4335; April 2, 2010
218.205	Amend	34 Ill. Reg. 4335; April 2, 2010
218.207	Amend	34 Ill. Reg. 4335; April 2, 2010
218.208	Amend	34 Ill. Reg. 4335; April 2, 2010
218.210	Amend	34 Ill. Reg. 4335; April 2, 2010
218.211	Amend	34 Ill. Reg. 4335; April 2, 2010
218.212	Amend	34 Ill. Reg. 4335; April 2, 2010
218.219	New	34 Ill. Reg. 4335; April 2, 2010
218.890	New	34 Ill. Reg. 4335; April 2, 2010
218.891	New	34 Ill. Reg. 4335; April 2, 2010
218.892	New	34 Ill. Reg. 4335; April 2, 2010
218.894	New	34 Ill. Reg. 4335; April 2, 2010
218.900	New	34 Ill. Reg. 4335; April 2, 2010
218.901	New	34 Ill. Reg. 4335; April 2, 2010
218.902	New	34 Ill. Reg. 4335; April 2, 2010
218.903	New	34 Ill. Reg. 4335; April 2, 2010
218.904	New	34 Ill. Reg. 4335; April 2, 2010

11) Statement of statewide policy objectives: 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) (2008)].

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

12) Time, place and manner in which interested persons may comment on this proposed rulemaking:

The Board will accept written public comment on this proposal for a period of 45 days after the date of this publication. Comments should reference docket R10-08(A) and be addressed to:

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

Address all questions to Tim Fox at 312-814-6085.

Interested persons may request copies of the Board's opinion and order by calling the Clerk's office at 312-814-3620, or download them from the Board's Web site at www.ipcb.state.il.us.

13) Initial regulatory flexibility analysis:

- A) Types of small businesses, small municipalities, and not-for-profit corporations affected: This rulemaking will impact any small business, small municipality, and not-for-profit corporation that engages in industrial solvent cleaning operations subject to the requirements of Section 218.187 and meeting the applicability thresholds specified in the proposed rules.
- B) Reporting, bookkeeping or other procedures required for compliance: The Agency indicates that the proposed rules correct a technical error, and the proposal does not itself require the owner or operator of a subject source to make reports or conduct bookkeeping or other procedures for compliance.
- C) Types of professional skills necessary for compliance: No professional skills beyond those currently required by the existing state and federal air pollution control requirements applicable to affected sources will be required.

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- 14) Regulatory Agenda on which this rulemaking was summarized /State reasons for this rulemaking if it was not included in either of the two most recent regulatory agendas. January 2009.

The full text of the proposed amendment begins on the next page:

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

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

PART 218
ORGANIC MATERIAL EMISSION STANDARDS AND
LIMITATIONS FOR THE CHICAGO AREA

SUBPART A: GENERAL PROVISIONS

Section	
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

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- 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

- Section
- 218.181 Solvent Cleaning Degreasing Operations
- 218.182 Cold Cleaning
- 218.183 Open Top Vapor Degreasing
- 218.184 Conveyorized Degreasing
- 218.185 Compliance Schedule (Repealed)
- 218.186 Test Methods
- 218.187 Other Industrial Solvent Cleaning Operations

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

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- 218.215 Wood Furniture Coating Averaging Approach
- 218.216 Wood Furniture Coating Add-On Control Use
- 218.217 Wood Furniture Coating and Flat Wood Paneling coating Work Practice Standards
- 218.218 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
- 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 (Repealed)
- 218.407 Emission Limitations and Control Requirements for Lithographic Printing Lines
- 218.408 Compliance Schedule for Lithographic Printing On and After March 15, 1996 (Repealed)
- 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
- 218.412 Letterpress Printing Lines: Applicability
- 218.413 Emission Limitations and Control Requirements for Letterpress Printing Lines
- 218.415 Testing for Letterpress Printing Lines
- 218.416 Monitoring Requirements for Letterpress Printing Lines
- 218.417 Recordkeeping and Reporting for Letterpress Printing Lines

SUBPART Q: SYNTHETIC ORGANIC CHEMICAL
AND POLYMER MANUFACTURING PLANT

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

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

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- 218.462 Green Tire Spraying Operations
- 218.463 Alternative Emission Reduction Systems
- 218.464 Emission Testing
- 218.465 Compliance 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
- 218.483 Material Storage and Transfer
- 218.484 In-Process Tanks
- 218.485 Leaks
- 218.486 Other Emission Units
- 218.487 Testing
- 218.488 Monitoring for Air Pollution Control Equipment
- 218.489 Recordkeeping for Air Pollution Control Equipment

SUBPART V: BATCH OPERATIONS AND AIR OXIDATION PROCESSES

- Section
- 218.500 Applicability for Batch Operations
- 218.501 Control Requirements for Batch Operations
- 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
- 218.521 Definitions (Repealed)
- 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)

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

SUBPART W: AGRICULTURE

Section
218.541 Pesticide Exception

SUBPART X: CONSTRUCTION

Section
218.561 Architectural Coatings
218.562 Paving Operations
218.563 Cutback 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)
218.604 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)

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

SUBPART AA: PAINT AND INK MANUFACTURING

Section	
218.620	Applicability
218.621	Exemption for Waterbase Material and Heatset-Offset Ink
218.623	Permit Conditions (Repealed)
218.624	Open-Top Mills, Tanks, Vats or Vessels
218.625	Grinding Mills
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
218.668	Testing
218.670	Recordkeeping and Reporting for Exempt Emission Units
218.672	Recordkeeping and Reporting for Subject Emission Units

SUBPART DD: AEROSOL CAN FILLING

Section	
218.680	Applicability
218.686	Control Requirements
218.688	Testing
218.690	Recordkeeping and Reporting for Exempt Emission Units
218.692	Recordkeeping and Reporting for Subject Emission Units

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

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

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

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 (Repealed)
218.946	Control Requirements
218.947	Compliance Schedule
218.948	Testing

SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL
MANUFACTURING PROCESSES

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

SUBPART TT: OTHER EMISSION UNITS

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

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

SUBPART UU: RECORDKEEPING AND REPORTING

Section

218.990 Exempt Emission Units
218.991 Subject Emission Units

218.APPENDIX A List of Chemicals Defining Synthetic Organic Chemical and Polymer Manufacturing
218.APPENDIX B VOM Measurement Techniques for Capture Efficiency (Repealed)
218.APPENDIX C Reference Methods and Procedures
218.APPENDIX D Coefficients for the Total Resource Effectiveness Index (TRE) Equation
218.APPENDIX E List of Affected Marine Terminals
218.APPENDIX G TRE Index Measurements for 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 and 28 of the Environmental Protection Act [415 ILCS 5/10, 27, 28].

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. 7086, effective April 30, 2007; amended in R08-8 at 32 Ill. Reg. 14874, effective August 26, 2008; amended in R10-10 at 34 Ill. Reg. 5330, effective March 23, 2010; amended in R10-08 at 34 Ill. Reg. 9096, effective June 25, 2010; amended in R10-08(A) at 34 Ill. Reg. _____, effective _____.

SUBPART E: SOLVENT CLEANING

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

Section 218.187 Other Industrial Solvent Cleaning Operations

- a) Applicability. On and after April 1, 2011:
- 1) Except as provided in subsection (a)(2) of this Section, the requirements of this Section shall apply to all cleaning operations that use organic materials at sources that emit a total of 6.8 kg/day (15 lbs/day) or more of VOM from cleaning operations at the source, in the absence of air pollution control equipment. For purposes of this Section, "cleaning operation" means the process of cleaning products, product components, tools, equipment, or general work areas during production, repair, maintenance, or servicing, including but not limited to spray gun cleaning, spray booth cleaning, large and small manufactured components cleaning, parts cleaning, equipment cleaning, line cleaning, floor cleaning, and tank cleaning, at sources with emission units;
 - 2) Notwithstanding subsection (a)(1) of this Section:
 - A) The following cleaning operations shall be exempt from the requirements of subsections (b), (c), (d), (f), and (g) of this Section:
 - i) Cleaning operations subject to the limitations in Sections 218.182, 218.183, or 218.184;
 - ii) Janitorial cleaning;
 - iii) Stripping of cured coatings, inks, or adhesives, including screen reclamation activities;
 - iv) Cleaning operations in printing pre-press areas, including the cleaning of film processors, color scanners, plate processors, film cleaning, and plate cleaning;
 - B) Cleaning operations for emission units within the following source categories shall be exempt from the requirements of subsections (b), (c), (d), (f), and (g) of this Section:
 - i) Aerospace coating;

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- ii) Flexible package printing;
 - iii) Lithographic printing;
 - iv) Letterpress printing;
 - v) Flat wood paneling coating;
 - vi) Large appliance coating;
 - vii) Metal furniture coating;
 - viii) Paper, film, and foil coating;
 - ix) Wood furniture coating;
 - x) Shipbuilding and repair coating;
 - xi) Plastic parts coating;
 - xii) Miscellaneous metal parts coating;
 - xiii) Fiberglass boat manufacturing;
 - xiv) Miscellaneous industrial adhesives; and
 - xv) Auto and light-duty truck assembly coating;
- C) The following cleaning operations shall be exempt from the requirements of subsections (b), (c), (f), and (g) of this Section:
- i) Cleaning of solar cells, laser hardware, scientific instruments, and high-precision optics;
 - ii) Cleaning conducted as part of performance laboratory tests on coatings, adhesives, or inks; research and development operations; or laboratory tests in quality assurance laboratories;
 - iii) Cleaning of paper-based gaskets and clutch assemblies where rubber is bonded to metal by means of an adhesive;

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- iv) Cleaning of cotton swabs to remove cottonseed oil before cleaning of high-precision optics;
 - v) Cleaning of medical device and pharmaceutical manufacturing facilities using no more than 1.5 gallons per day of solvents;
 - vi) Cleaning of adhesive application equipment used for thin metal laminating;
 - vii) Cleaning of electronic or electrical cables;
 - viii) Touch-up cleaning performed on printed circuit boards where surface mounted devices have already been attached;
 - ix) Cleaning of coating and adhesive application processes utilized to manufacture transdermal drug delivery products using no more than three gallons per day of ethyl acetate;
 - x) Cleaning of application equipment used to apply coatings on satellites and radiation effect coatings;
 - xi) Cleaning of application equipment used to apply solvent-borne fluoropolymer coatings;
 - xii) Cleaning of ultraviolet or electron beam adhesive application;
 - xiii) Cleaning of sterilization indicating ink application equipment if the facility uses no more than 1.5 gallons per day of solvents for such cleaning;
 - xiv) Cleaning of metering rollers, dampening rollers, and printing plates;
 - xv) Cleaning of numismatic dies; and
 - xvi) Cleaning operations associated with digital printing.
- b) Material and Control Requirements. No owner or operator of a source subject to

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

this Section shall perform any cleaning operation subject to this Section unless the owner or operator meets the requirements in subsection (b)(1), (b)(2), or (b)(3):

1) The VOM content of the as-used cleaning solutions (~~minus water and any compounds that are specifically exempted from the definitions of VOM~~) does not exceed the following emissions limitations:

A) Product cleaning during manufacturing process or surface preparation for coating, adhesive, or ink application:

	kg/l	lb/gal
i) Electrical apparatus components and electronic components	0.10	0.83
ii) Medical device and pharmaceutical manufacturing	0.80	6.7

B) Repair and maintenance cleaning:

	kg/l	lb/gal
i) Electrical apparatus components and electronic components	0.10	0.83
ii) Medical device and pharmaceutical manufacturing: tools, equipment, and machinery	0.80	6.7
iii) Medical device and pharmaceutical manufacturing: general work surfaces	0.60	5.0

C) Cleaning of ink application equipment:

	kg/l	lb/gal
i) Rotogravure printing that does not print flexible packaging	0.10	.83
ii) Screen printing	0.50	4.2

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

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| iii) | Ultraviolet ink and electron beam ink application equipment, except screen printing | 0.65 | 5.4 |
| iv) | Flexographic printing that does not print flexible packaging | 0.10 | 0.83 |
| D) | All other cleaning operations not subject to a specific limitation in subsections (b)(1)(A) through (b)(1)(C) of this Section | kg/l | lb/gal |
| | | 0.050 | 0.42 |
- 2) The composite vapor pressure of each as-used cleaning solution used does not exceed 8.0 mmHg measured at 20° C (68° F); or
- 3) An afterburner or carbon adsorber is installed and operated that reduces VOM emissions from the subject cleaning operation by at least 85 percent overall. The owner or operator may use an emissions control system other than an afterburner or carbon adsorber if such device reduces VOM emissions from the subject cleaning operation by at least 85 percent overall, the owner or operator submits a plan to the Agency detailing appropriate monitoring devices, test methods, recordkeeping requirements, and operating parameters for such control device, and such plan is approved by the Agency and USEPA within federally enforceable permit conditions.
- c) The owner or operator of a subject source shall demonstrate compliance with this Section by using the applicable test methods and procedures specified in subsection (g) of this Section and by complying with the recordkeeping and reporting requirements specified in subsection (e) of this Section.
- d) Operating Requirements. The owner or operator of a source subject to the requirements of this Section shall comply with the following for each subject cleaning operation:
- 1) Cover open containers and properly cover and store applicators used to apply cleaning solvents;

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- 2) Minimize air circulation around the cleaning operation;
 - 3) Dispose of all used cleaning solutions, cleaning towels, and applicators used to apply cleaning solvents in closed containers;
 - 4) Utilize equipment practices that minimize emissions.
- e) Recordkeeping and Reporting Requirements-
- 1) The owner or operator of a source exempt from the limitations of this Section because of the criteria in Section 218.187(a)(1) of this Subpart shall comply with the following:
 - A) By April 1, 2011, or upon initial start-up of the source, whichever is later, submit a certification to the Agency that includes:
 - i) A declaration that the source is exempt from the requirements of this Section because of the criteria in Section 218.187(a)(1);
 - ii) Calculations that demonstrate that combined emissions of VOM from cleaning operations at the source never equal or exceed 6.8 kg/day (15 lbs/day), in the absence of air pollution control equipment;
 - B) Notify the Agency of any record that shows that the combined emissions of VOM from cleaning operations at the source ever equal or exceed 6.8 kg/day (15 lbs/day), in the absence of air pollution control equipment, within 30 days after the event occurs
 - 2) All sources subject to the requirements of this Section shall:
 - A) By April 1, 2011, or upon initial start-up of the source, whichever is later, submit a certification to the Agency that includes:
 - i) A declaration that all subject cleaning operations are in compliance with the requirements of this Section;
 - ii) Identification of each subject cleaning operation and each VOM-containing cleaning solution used as of the date of

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

certification in such operation;

- iii) If complying with the emissions control system requirement, what type of emissions control system will be used;
 - iv) Initial documentation that each subject cleaning operation will comply with the applicable limitation, including copies of manufacturer's specifications, test results (if any), formulation data, and calculations;
 - v) Identification of the methods that will be used to demonstrate continuing compliance with the applicable limitations;
 - vi) A description of the practices and procedures that the source will follow to ensure compliance with the limitations in Section 218.187(d); and
 - vii) A description of each cleaning operation exempt pursuant to Section 218.187(a)(2), if any, and a listing of the emission units on which the exempt cleaning operation is performed;
- B) At least 30 calendar days before changing the method of compliance between subsections (b)(1) or (b)(2), and subsection (b)(3) of this Section, notify the Agency in writing of such change. The notification shall include a demonstration of compliance with the newly applicable subsection;
- 3) All sources complying with this Section pursuant to the requirements of subsection (b)(1) of this Section shall collect and record the following information for each cleaning solution used:
- A) For each cleaning solution which is prepared at the source with automatic equipment:
 - i) The name and identification of each cleaning solution;
 - ii) The VOM content of each cleaning solvent in the cleaning

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

solution;

- iii) Each change to the setting of the automatic equipment, with date, time, description of changes in the cleaning solution constituents (e.g., cleaning solvents), and a description of changes to the proportion of cleaning solvent and water (or other non-VOM);
- iv) The proportion of each cleaning solvent and water (or other non-VOM) used to prepare the as-used cleaning solution;
- v) The VOM content of the as-used cleaning solution, with supporting calculations; and
- vi) A calibration log for the automatic equipment, detailing periodic checks;

B) For each batch of cleaning solution that is not prepared at the source with automatic equipment:

- i) The name and identification of each cleaning solution;
- ii) Date, time of preparation, and each subsequent modification of the batch;
- iii) The VOM content of each cleaning solvent in the cleaning solution;
- iv) The total amount of each cleaning solvent and water (or other non-VOM) used to prepare the as-used cleaning solution; and
- v) The VOM content of the as-used cleaning solution, with supporting calculations. For cleaning solutions that are not prepared at the site but are used as purchased, the manufacturer's specifications for VOM content may be used if such manufacturer's specifications are based on results of tests of the VOM content conducted in accordance with methods specified in Section 218.105(a) of this Part;

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- 4) All sources complying with this Section pursuant to the requirements of subsection (b)(2) of this Section shall collect and record the following information for each cleaning solution used:
 - A) The name and identification of each cleaning solution;
 - B) Date, time of preparation, and each subsequent modification of the batch;
 - C) The molecular weight, density, and VOM composite partial vapor pressure of each cleaning solvent, as determined in accordance with the applicable methods and procedures specified in Section 218.110 of this Part;
 - D) The total amount of each cleaning solvent used to prepare the as-used cleaning solution; and
 - E) The VOM composite partial vapor pressure of each as-used cleaning solution, as determined in accordance with the applicable methods and procedures specified in Section 218.110 of this Part;

- 5) All sources complying with this Section pursuant to the requirements of subsection (b)(3) of this Section shall comply with the following:
 - A) By April 1, 2011, or upon initial start-up of the source, whichever is later, and upon initial start-up of a new emissions control system, include in the certification required by subsection (e)(3) of this Section a declaration that the monitoring equipment required under Section 218.187(f) of this Subpart has been properly installed and calibrated according to manufacturer's specifications;
 - B) If testing of an emissions control system is conducted pursuant to Section 218.187(g) of this Subpart, the owner or operator shall, within 90 days after conducting such testing, submit a copy of all test results to the Agency and shall submit a certification to the Agency that includes the following:
 - i) A declaration that all tests and calculations necessary to demonstrate compliance with Section 218.187(b)(3) of this Subpart have been properly performed;

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- ii) A statement whether the subject cleaning operation is or is not in compliance with Section 218.187(b)(3) of this Subpart; and
 - iii) The operating parameters of the emissions control system during testing, as monitored in accordance with Section 218.187(f) of this Subpart;
- C) Collect and record daily the following information for each cleaning operation subject to the requirements of Section 218.187(b)(3) of this Subpart:
- i) Emissions control system monitoring data in accordance with Section 218.187(f) of this Subpart, as applicable;
 - ii) A log of operating time for the emissions control system, monitoring equipment, and the associated cleaning equipment;
 - iii) A maintenance log for the emissions control system and monitoring equipment detailing all routine and non-routine maintenance performed, including dates and duration of any outages;
- D) Maintain records documenting the use of good operating practices consistent with the equipment manufacturer's specifications for the cleaning equipment being used and the emissions control system equipment. At a minimum, these records shall include:
- i) Records for periodic inspection of the cleaning equipment and emissions control system equipment with date of inspection, individual performing the inspection, and nature of inspection;
 - ii) 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 released into the atmosphere as a result of the incident;

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- 6) All sources subject to the requirements of subsections (b) and (d) of this Section shall notify the Agency of any violation of subsections (b) or (d) by providing a description of the violation and copies of records documenting the violation to the Agency within 30 days following the occurrence of the violation;
 - 7) All records required by this subsection (e) shall be retained by the source for at least three years and shall be made available to the Agency upon request.
- f) Monitoring Requirements-
- 1) If an afterburner or carbon adsorber is used to demonstrate compliance, the owner or operator of a source subject to Section 218.187(b)(3) of this Subpart shall:
 - A) Install, calibrate, operate, and maintain temperature monitoring devices with an accuracy of 3° C or 5° F on the emissions control system in accordance with Section 218.105(d)(2) of this Part and in accordance with the manufacturer's specifications. Monitoring shall be performed at all times when the emissions control system is operating; and
 - B) Install, calibrate, operate and maintain, in accordance with manufacturer's specifications, a continuous recorder on the temperature monitoring devices, such as a strip chart, recorder or computer, with at least the same accuracy as the temperature monitor;
 - 2) If an emissions control system other than an afterburner or carbon adsorber is used to demonstrate compliance, the owner or operator of a source subject to Section 218.187(b)(3) of this Subpart shall install, maintain, calibrate, and operate such monitoring equipment as set forth in the owner's or operator's plan approved by the Agency and USEPA pursuant to Section 218.187(b)(3).
- g) Testing Requirements-
- 1) Testing to demonstrate compliance with the requirements of this Section shall be conducted by the owner or operator within 90 days after a request

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

by the Agency, or as otherwise specified in this Section. Such testing shall be conducted at the expense of the owner or operator and the owner or operator shall notify the Agency in writing 30 days in advance of conducting the testing to allow the Agency to be present during the testing;

- 2) Testing to demonstrate compliance with the VOM content limitations in Section 218.187(b)(1) of this Subpart, and to determine the VOM content of cleaning solvents and cleaning solutions, shall be conducted, as follows:
 - A) The applicable test methods and procedures specified in Section 218.105(a) of this Part shall be used, provided, however, Method 24, incorporated by reference in Section 218.112 of this Part, shall be used to demonstrate compliance; or
 - B) The manufacturer's specifications for VOM content for cleaning solvents may be used if such manufacturer's specifications are based on results of tests of the VOM content conducted in accordance with methods specified in Section 218.105(a) of this Part, provided, however, Method 24 shall be used to determine compliance;
- 3) Testing to determine the VOM composite partial vapor pressure of cleaning solvents, cleaning solvent concentrates, and as-used cleaning solutions shall be conducted in accordance with the applicable methods and procedures specified in Section 218.110 of this Part;
- 4) For afterburners and carbon adsorbers, the methods and procedures of Section 218.105(d) through (f) shall be used for testing to demonstrate compliance with the requirements of Section 218.187(b)(3) of this Subpart, as follows:
 - A) To select the sampling sites, Method 1 or 1A, as appropriate, 40 CFR 60, Appendix A, incorporated by reference in Section 218.112 of this Part;
 - B) To determine the volumetric flow rate of the exhaust stream, Method 2, 2A, 2C, or 2D, as appropriate, 40 CFR 60, Appendix A, incorporated by reference in Section 218.112 of this Part;

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- C) To determine the VOM concentration of the exhaust stream entering and exiting the emissions control system, Method 25 or 25A, as appropriate, 40 CFR 60, Appendix A, incorporated by reference in Section 218.112 of this Part. For thermal and catalytic afterburners, Method 25 must be used except under the following circumstances, in which case Method 25A must be used:
- i) The allowable outlet concentration of VOM from the emissions control system is less than 50 ppmv, as carbon;
 - ii) The VOM concentration at the inlet of the emissions control system and the required level of control result in exhaust concentrations of VOM of 50 ppmv, or less, as carbon; and
 - iii) Due to the high efficiency of the emissions control system, the anticipated VOM concentration at the emissions control system exhaust is 50 ppmv or less, as carbon, regardless of inlet concentration. If the source elects to use Method 25A under this option, the exhaust VOM concentration must be 50 ppmv or less, as carbon, and the required destruction efficiency must be met for the source to have demonstrated compliance. If the Method 25A test results show that the required destruction efficiency apparently has been met, but the exhaust concentration is above 50 ppmv, as carbon, a retest is required. The retest shall be conducted using either Method 25 or Method 25A. If the retest is conducted using Method 25A and the test results again show that the required destruction efficiency apparently has been met, but the exhaust concentration is above 50 ppmv, as carbon, the source must retest using Method 25;
- D) During testing, the cleaning equipment shall be operated at representative operating conditions and flow rates;
- 5) An owner or operator using an emissions control system other than an afterburner or carbon adsorber shall conduct testing to demonstrate compliance with the requirements of Section 218.187(b)(3) of this Subpart as set forth in the owner's or operator's plan approved by the Agency and USEPA as federally enforceable permit conditions pursuant to Section

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

218.187(b)(3) of this Subpart.

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

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- 1) Heading of the Part: Organic Material Emission Standards and Limitations for the Metro East Area
- 2) Code citation: 35 Ill. Adm. Code 219
- 3) Section Numbers: Proposed Action:
219.187 Amend
- 4) Statutory authority: Implementing Sections 21, 22, 22.01 and 22.9, and authorized by Section 27 of the Environmental Protection Act [415 ILCS 5/21, 22, 22.01, 22.9, 27].
- 5) A complete description of the subjects and issues involved:

In a recent filing with the Board, the Illinois Environmental Protection Agency (Agency) stated that language recently adopted in R10-8 contained a technical error. The Agency indicated that this error made it impossible for sources subject to the adopted regulations to comply with applicable limitations. The Agency noted that, although the Board had opened a subdocket in order to address a separate issue, no rulemaking proposal addressing that issue had been timely filed. The Agency proposed to proceed in subdocket as the most efficient way to adopt a correction.

For a more detailed description of this rulemaking, see the Board's August 19, 2010, first-notice opinion and order: Reasonably Available Control Technology (RACT) for Volatile Organic Material Emissions from Group II Consumer & Commercial Products: Proposed Amendments to 35 Ill. Adm. Code 211, 218, and 219. (R10-08(A))
- 6) Published studies or reports, and sources of underlying data, used to compose this rulemaking:

The Agency, which initiated the proceeding in this subdocket, did not indicate that it had used a published study or report in developing the proposed correction.
- 7) Will these proposed rules replace emergency rules currently in effect? No.
- 8) Does this rulemaking contain an automatic repeal date? No.

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ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- 9) Do these proposed rule contain incorporations by reference? No.
- 10) Are there any other amendments pending on this Part? Yes.

<u>Section Numbers:</u>	<u>Proposed Action:</u>	<u>Illinois Register Citation</u>
219.105	Amend	34 Ill. Reg. 4475; April 2, 2010
219.106	Amend	34 Ill. Reg. 4475; April 2, 2010
219.112	Amend	34 Ill. Reg. 4475; April 2, 2010
219.204	Amend	34 Ill. Reg. 4475; April 2, 2010
219.205	Amend	34 Ill. Reg. 4475; April 2, 2010
219.207	Amend	34 Ill. Reg. 4475; April 2, 2010
219.208	Amend	34 Ill. Reg. 4475; April 2, 2010
219.210	Amend	34 Ill. Reg. 4475; April 2, 2010
219.211	Amend	34 Ill. Reg. 4475; April 2, 2010
219.212	Amend	34 Ill. Reg. 4475; April 2, 2010
219.219	New	34 Ill. Reg. 4475; April 2, 2010
219.890	New	34 Ill. Reg. 4475; April 2, 2010
219.891	New	34 Ill. Reg. 4475; April 2, 2010
219.892	New	34 Ill. Reg. 4475; April 2, 2010
219.894	New	34 Ill. Reg. 4475; April 2, 2010
219.900	New	34 Ill. Reg. 4475; April 2, 2010
219.901	New	34 Ill. Reg. 4475; April 2, 2010
219.902	New	34 Ill. Reg. 4475; April 2, 2010
219.903	New	34 Ill. Reg. 4475; April 2, 2010
219.904	New	34 Ill. Reg. 4475; April 2, 2010

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- 11) Statement of statewide policy objectives: 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) (2008)].
- 12) Time, place and manner in which interested persons may comment on this proposed rulemaking:

The Board will accept written public comment on this proposal for a period of 45 days after the date of this publication. Comments should reference docket R10-08(A) and be addressed to:

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

Address all questions to Tim Fox at 312-814-6085.

Interested persons may request copies of the Board's opinion and order by calling the Clerk's office at 312-814-3620, or download them from the Board's Web site at www.ipcb.state.il.us.

- 13) Initial regulatory flexibility analysis:
- A) Types of small businesses, small municipalities, and not-for-profit corporations affected: This rulemaking will impact any small business, small municipality, and not-for-profit corporation that engages in industrial solvent cleaning operations subject to the requirements of Section 218.187 and meeting the applicability thresholds specified in the proposed rules.
- B) Reporting, bookkeeping or other procedures required for compliance: The Agency indicates that the proposed rules correct a technical error, and the proposal does not itself require the owner or operator of a subject source to make reports or conduct bookkeeping or other procedures for compliance.
- C) Types of professional skills necessary for compliance: No professional skills beyond those currently required by the existing state and federal air pollution control requirements applicable to affected sources will be required.

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- 14) Regulatory Agenda on which this rulemaking was summarized /State reasons for this rulemaking if it was not included in either of the two most recent regulatory agendas. January 2009.

The full text of the proposed amendment begins on the next page:

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

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

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 or 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)

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- 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 Degreasing Operations
- 219.182 Cold Cleaning
- 219.183 Open Top Vapor Degreasing
- 219.184 Conveyorized Degreasing
- 219.185 Compliance Schedule (Repealed)
- 219.186 Test Methods
- 219.187 Other Industrial Solvent Cleaning Operations

SUBPART F: COATING OPERATIONS

- Section
- 219.204 Emission Limitations
- 219.205 Daily-Weighted Average Limitations
- 219.206 Solids Basis Calculation
- 219.207 Alternative Emission Limitations
- 219.208 Exemptions From Emission Limitations
- 219.209 Exemption From General Rule on Use of Organic Material
- 219.210 Compliance Schedule
- 219.211 Recordkeeping and Reporting
- 219.212 Cross-Line Averaging to Establish Compliance for Coating Lines
- 219.213 Recordkeeping and Reporting for Cross-Line Averaging Participating Coating Lines
- 219.214 Changing Compliance Methods
- 219.215 Wood Furniture Coating Averaging Approach
- 219.216 Wood Furniture Coating Add-On Control Use

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- 219.217 Wood Furniture Coating and Flat Wood Paneling 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
- 219.301 Use of Organic Material
- 219.302 Alternative Standard
- 219.303 Fuel Combustion Emission Units
- 219.304 Operations with Compliance Program

SUBPART H: PRINTING AND PUBLISHING

- Section
- 219.401 Flexographic and Rotogravure Printing
- 219.402 Applicability
- 219.403 Compliance Schedule
- 219.404 Recordkeeping and Reporting
- 219.405 Lithographic Printing: Applicability
- 219.406 Provisions Applying to Heatset Web Offset Lithographic Printing Prior to March 15, 1996 (Repealed)
- 219.407 Emission Limitations and Control Requirements for Lithographic Printing Lines
- 219.408 Compliance Schedule for Lithographic Printing On and After March 15, 1996 (Repealed)
- 219.409 Testing for Lithographic Printing
- 219.410 Monitoring Requirements for Lithographic Printing
- 219.411 Recordkeeping and Reporting for Lithographic Printing
- 219.412 Letterpress Printing Lines: Applicability
- 219.413 Emission Limitations and Control Requirements for Letterpress Printing Lines
- 219.415 Testing for Letterpress Printing Lines
- 219.416 Monitoring Requirements for Letterpress Printing Lines
- 219.417 Recordkeeping and Reporting for Letterpress Printing Lines

SUBPART Q: SYNTHETIC ORGANIC CHEMICAL AND
POLYMER MANUFACTURING PLANT

- Section
- 219.421 General Requirements

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

219.422	Inspection Program Plan for Leaks
219.423	Inspection Program for Leaks
219.424	Repairing Leaks
219.425	Recordkeeping for Leaks
219.426	Report for Leaks
219.427	Alternative Program for Leaks
219.428	Open-Ended Valves
219.429	Standards for Control Devices
219.430	Compliance Date (Repealed)
219.431	Applicability
219.432	Control Requirements
219.433	Performance and Testing Requirements
219.434	Monitoring Requirements
219.435	Recordkeeping and Reporting Requirements
219.436	Compliance Date

SUBPART R: PETROLEUM REFINING AND
RELATED INDUSTRIES; ASPHALT MATERIALS

Section	
219.441	Petroleum Refinery Waste Gas Disposal
219.442	Vacuum Producing Systems
219.443	Wastewater (Oil/Water) Separator
219.444	Process Unit Turnarounds
219.445	Leaks: General Requirements
219.446	Monitoring Program Plan for Leaks
219.447	Monitoring Program for Leaks
219.448	Recordkeeping for Leaks
219.449	Reporting for Leaks
219.450	Alternative Program for Leaks
219.451	Sealing Device Requirements
219.452	Compliance Schedule for Leaks
219.453	Compliance Dates (Repealed)

SUBPART S: RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS

Section	
219.461	Manufacture of Pneumatic Rubber Tires
219.462	Green Tire Spraying Operations
219.463	Alternative Emission Reduction Systems

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- 219.464 Emission Testing
- 219.465 Compliance Dates (Repealed)
- 219.466 Compliance Plan (Repealed)

SUBPART T: PHARMACEUTICAL MANUFACTURING

- Section
- 219.480 Applicability
- 219.481 Control of Reactors, Distillation Units, Crystallizers, Centrifuges and Vacuum Dryers
- 219.482 Control of Air Dryers, Production Equipment Exhaust Systems and Filters
- 219.483 Material Storage and Transfer
- 219.484 In-Process Tanks
- 219.485 Leaks
- 219.486 Other Emission Units
- 219.487 Testing
- 219.488 Monitoring for Air Pollution Control Equipment
- 219.489 Recordkeeping for Air Pollution Control Equipment

SUBPART V: BATCH OPERATIONS AND AIR OXIDATION PROCESSES

- Section
- 219.500 Applicability for Batch Operations
- 219.501 Control Requirements for Batch Operations
- 219.502 Determination 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
- 219.505 Reporting and Recordkeeping for Batch Operations
- 219.506 Compliance Date
- 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)

SUBPART W: AGRICULTURE

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

Section
219.541 Pesticide Exception

SUBPART X: CONSTRUCTION

Section
219.561 Architectural Coatings
219.562 Paving Operations
219.563 Cutback Asphalt

SUBPART Y: GASOLINE DISTRIBUTION

Section
219.581 Bulk Gasoline Plants
219.582 Bulk Gasoline Terminals
219.583 Gasoline Dispensing Operations – Storage Tank Filling Operations
219.584 Gasoline Delivery Vessels
219.585 Gasoline Volatility Standards
219.586 Gasoline Dispensing Operations – Motor Vehicle Fueling Operations (Repealed)

SUBPART Z: DRY CLEANERS

Section
219.601 Perchloroethylene Dry Cleaners (Repealed)
219.602 Exemptions (Repealed)
219.603 Leaks (Repealed)
219.604 Compliance Dates (Repealed)
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)
219.613 Compliance Plan (Repealed)

SUBPART AA: PAINT AND INK MANUFACTURING

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

Section	
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
219.628	Leaks
219.630	Clean Up
219.636	Compliance Schedule
219.637	Recordkeeping and Reporting

SUBPART BB: POLYSTYRENE PLANTS

Section	
219.640	Applicability
219.642	Emissions Limitation at Polystyrene Plants
219.644	Emissions Testing

SUBPART FF: BAKERY OVENS

Section	
219.720	Applicability (Repealed)
219.722	Control Requirements (Repealed)
219.726	Testing (Repealed)
219.727	Monitoring (Repealed)
219.728	Recordkeeping and Reporting (Repealed)
219.729	Compliance Date (Repealed)
219.730	Certification (Repealed)

SUBPART GG: MARINE TERMINALS

Section	
219.760	Applicability
219.762	Control Requirements
219.764	Compliance Certification
219.766	Leaks
219.768	Testing and Monitoring
219.770	Recordkeeping and Reporting

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

SUBPART HH: MOTOR VEHICLE REFINISHING

Section	
219.780	Emission Limitations
219.782	Alternative Control Requirements
219.784	Equipment Specifications
219.786	Surface Preparation Materials
219.787	Work Practices
219.788	Testing
219.789	Monitoring and Recordkeeping for Control Devices
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

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL
MANUFACTURING PROCESSES

Section	
219.960	Applicability
219.963	Permit Conditions
219.966	Control Requirements
219.967	Compliance Schedule
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 Emission Units
219.991	Subject Emission Units

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 G	TRE Index Measurements for SOCFI 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 and 28 of the Environmental Protection Act [415 ILCS 5/10, 27, 28].

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,

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

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 31 Ill. Reg. 7110, effective April 30, 2007; amended in R10-10 at 34 Ill. Reg. 5392, effective March 23, 2010; amended in R10-08 at 34 Ill. Reg. 9253, effective June 25, 2010; amended in R10-08(A) at 34 Ill. Reg. _____, effective _____.

SUBPART E: SOLVENT CLEANING

Section 219.187 Other Industrial Solvent Cleaning Operations

- a) Applicability. On and after April 1, 2011:
 - 1) Except as provided in subsection (a)(2) of this Section, the requirements of this Section shall apply to all cleaning operations that use organic materials at sources that emit a total of 6.8 kg/day (15 lbs/day) or more of VOM from cleaning operations at the source, in the absence of air pollution control equipment. For purposes of this Section, "cleaning operation" means the process of cleaning products, product components, tools, equipment, or general work areas during production, repair, maintenance or servicing, including but not limited to spray gun cleaning, spray booth cleaning, large and small manufactured components cleaning, parts cleaning, equipment cleaning, line cleaning, floor cleaning, and tank cleaning, at sources with emission units;
 - 2) Notwithstanding subsection (a)(1) of this Section:
 - A) The following cleaning operations shall be exempt from the requirements of subsections (b), (c), (d), (f), and (g) of this Section:

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- i) Cleaning operations subject to the limitations in Sections 219.182, 219.183, or 219.184;
 - ii) Janitorial cleaning;
 - iii) Stripping of cured coatings, inks, or adhesives, including screen reclamation activities;
 - iv) Cleaning operations in printing pre-press areas, including the cleaning of film processors, color scanners, plate processors, film cleaning, and plate cleaning;
- B) Cleaning operations for emission units within the following source categories shall be exempt from the requirements of subsections (b), (c), (d), (f), and (g) of this Section:
- i) Aerospace coating;
 - ii) Flexible package printing;
 - iii) Lithographic printing;
 - iv) Letterpress printing;
 - v) Flat wood paneling coating;
 - vi) Large appliance coating;
 - vii) Metal furniture coating;
 - viii) Paper, film, and foil coating;
 - ix) Wood furniture coating;
 - x) Shipbuilding and repair coating;
 - xi) Plastic parts coating;
 - xii) Miscellaneous metal parts coating;

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- xiii) Fiberglass boat manufacturing;
 - xiv) Miscellaneous industrial adhesives; and
 - xv) Auto and light-duty truck assembly coating;
- C) The following cleaning operations shall be exempt from the requirements of subsections (b), (c), (f), and (g) of this Section:
- i) Cleaning of solar cells, laser hardware, scientific instruments, and high-precision optics;
 - ii) Cleaning conducted as part of performance laboratory tests on coatings, adhesives, or inks; research and development operations; or laboratory tests in quality assurance laboratories;
 - iii) Cleaning of paper-based gaskets and clutch assemblies where rubber is bonded to metal by means of an adhesive;
 - iv) Cleaning of cotton swabs to remove cottonseed oil before cleaning of high-precision optics;
 - v) Cleaning of medical device and pharmaceutical manufacturing facilities using no more than 1.5 gallons per day of solvents;
 - vi) Cleaning of adhesive application equipment used for thin metal laminating;
 - vii) Cleaning of electronic or electrical cables;
 - viii) Touch-up cleaning performed on printed circuit boards where surface mounted devices have already been attached;
 - ix) Cleaning of coating and adhesive application processes utilized to manufacture transdermal drug delivery products using no more than three gallons per day of ethyl acetate;
 - x) Cleaning of application equipment used to apply coatings

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

on satellites and radiation effect coatings;

- xi) Cleaning of application equipment used to apply solvent-borne fluoropolymer coatings;
- xii) Cleaning of ultraviolet or electron beam adhesive application;
- xiii) Cleaning of sterilization indicating ink application equipment if the facility uses no more than 1.5 gallons per day of solvents for such cleaning;
- xiv) Cleaning of metering rollers, dampening rollers, and printing plates;
- xv) Cleaning of numismatic dies; and
- xvi) Cleaning operations associated with digital printing.

b) Material and Control Requirements. No owner or operator of a source subject to this Section shall perform any cleaning operation subject to this Section unless the owner or operator meets the requirements in subsection (b)(1), (b)(2), or (b)(3):

1) The VOM content of the as-used cleaning solutions (~~minus water and any compounds that are specifically exempted from the definition of VOM~~) does not exceed the following emissions limitations:

A)	Product cleaning during manufacturing process or surface preparation for coating, adhesive, or ink application:		
		kg/l	lb/gal
i)	Electrical apparatus components and electronic components	0.10	0.83
ii)	Medical device and pharmaceutical manufacturing	0.80	6.7
B)	Repair and maintenance cleaning:		
		kg/l	lb/gal
i)	Electrical apparatus components and electronic components	0.10	0.83

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

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|------|---|-------|--------|
| ii) | Medical device and pharmaceutical manufacturing: tools, equipment, and machinery | 0.80 | 6.7 |
| iii) | Medical device and pharmaceutical manufacturing: general work surfaces | 0.60 | 5.0 |
| C) | Cleaning of ink application equipment: | kg/l | lb/gal |
| i) | Rotogravure printing that does not print flexible packaging | 0.10 | 0.83 |
| ii) | Screen printing | 0.50 | 4.2 |
| iii) | Ultraviolet ink and electron beam ink application equipment, except screen printing | 0.65 | 5.4 |
| iv) | Flexographic printing that does not print flexible packaging | 0.10 | 0.83 |
| D) | All other cleaning operations not subject to a specific limitation in subsections (b)(1)(A) through (b)(1)(C) of this Section | kg/l | lb/gal |
| | | 0.050 | 0.42 |
- 2) The composite vapor pressure of each as-used cleaning solution used does not exceed 8.0 mmHg measured at 20° C (68° F); or
- 3) An afterburner or carbon adsorber is installed and operated that reduces VOM emissions from the subject cleaning operation by at least 85 percent overall. The owner or operator may use an emissions control system other than an afterburner or carbon adsorber if such device reduces VOM emissions from the subject cleaning operation by at least 85 percent overall, the owner or operator submits a plan to the Agency detailing appropriate monitoring devices, test methods, recordkeeping requirements,

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

and operating parameters for such control device, and such plan is approved by the Agency and USEPA within federally enforceable permit conditions.

- c) The owner or operator of a subject source shall demonstrate compliance with this Section by using the applicable test methods and procedures specified in subsection (g) of this Section and by complying with the recordkeeping and reporting requirements specified in subsection (e) of this Section.
- d) Operating Requirements. The owner or operator of a source subject to the requirements of this Section shall comply with the following for each subject cleaning operation:
 - 1) Cover open containers and properly cover and store applicators used to apply cleaning solvents;
 - 2) Minimize air circulation around the cleaning operation;
 - 3) Dispose of all used cleaning solutions, cleaning towels, and applicators used to apply cleaning solvents in closed containers;
 - 4) Utilize equipment practices that minimize emissions.
- e) Recordkeeping and Reporting Requirements
 - 1) The owner or operator of a source exempt from the limitations of this Section because of the criteria in Section 219.187(a)(1) of this Subpart shall comply with the following:
 - A) By April 1, 2011, or upon initial start-up of the source, whichever is later, submit a certification to the Agency that includes:
 - i) A declaration that the source is exempt from the requirements of this Section because of the criteria in Section 219.187(a)(1);
 - ii) Calculations that demonstrate that combined emissions of VOM from cleaning operations at the source never equal or exceed 6.8 kg/day (15 lbs/day), in the absence of air pollution control equipment;

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- B) Notify the Agency of any record that shows that the combined emissions of VOM from cleaning operations at the source ever equal or exceed 6.8 kg/day (15 lbs/day), in the absence of air pollution control equipment, within 30 days after the event occurs.
- 2) All sources subject to the requirements of this Section shall:
- A) By April 1, 2011, or upon initial start-up of the source, whichever is later, submit a certification to the Agency that includes:
 - i) A declaration that all subject cleaning operations are in compliance with the requirements of this Section;
 - ii) Identification of each subject cleaning operation and each VOM-containing cleaning solution used as of the date of certification in such operation;
 - iii) If complying with the emissions control system requirement, what type of emissions control system will be used;
 - iv) Initial documentation that each subject cleaning operation will comply with the applicable limitation, including copies of manufacturer's specifications, test results (if any), formulation data, and calculations;
 - v) Identification of the methods that will be used to demonstrate continuing compliance with the applicable limitations;
 - vi) A description of the practices and procedures that the source will follow to ensure compliance with the limitations in Section 219.187(d); and
 - vii) A description of each cleaning operation exempt pursuant to Section 219.187(a)(2), if any, and a listing of the emission units on which the exempt cleaning operation is performed;

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- B) At least 30 calendar days before changing the method of compliance between subsections (b)(1) or (b)(2), and subsection (b)(3) of this Section, notify the Agency in writing of such change. The notification shall include a demonstration of compliance with the newly applicable subsection;
- 3) All sources complying with this Section pursuant to the requirements of subsection (b)(1) of this Section shall collect and record the following information for each cleaning solution used:
- A) For each cleaning solution which is prepared at the source with automatic equipment:
 - i) The name and identification of each cleaning solution;
 - ii) The VOM content of each cleaning solvent in the cleaning solution;
 - iii) Each change to the setting of the automatic equipment, with date, time, description of changes in the cleaning solution constituents (e.g., cleaning solvents), and a description of changes to the proportion of cleaning solvent and water (or other non-VOM);
 - iv) The proportion of each cleaning solvent and water (or other non-VOM) used to prepare the as-used cleaning solution;
 - v) The VOM content of the as-used cleaning solution, with supporting calculations; and
 - vi) A calibration log for the automatic equipment, detailing periodic checks;
 - B) For each batch of cleaning solution that is not prepared at the source with automatic equipment:
 - i) The name and identification of each cleaning solution;
 - ii) Date, time of preparation, and each subsequent modification of the batch;

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- iii) The VOM content of each cleaning solvent in the cleaning solution;
 - iv) The total amount of each cleaning solvent and water (or other non-VOM) used to prepare the as-used cleaning solution; and
 - v) The VOM content of the as-used cleaning solution, with supporting calculations. For cleaning solutions that are not prepared at the site but are used as purchased, the manufacturer's specifications for VOM content may be used if such manufacturer's specifications are based on results of tests of the VOM content conducted in accordance with methods specified in Section 219.105(a) of this Part;
- 4) All sources complying with this Section pursuant to the requirements of subsection (b)(2) of this Section shall collect and record the following information for each cleaning solution used:
- A) The name and identification of each cleaning solution;
 - B) Date, time of preparation, and each subsequent modification of the batch;
 - C) The molecular weight, density, and VOM composite partial vapor pressure of each cleaning solvent, as determined in accordance with the applicable methods and procedures specified in Section 219.110 of this Part;
 - D) The total amount of each cleaning solvent used to prepare the as-used cleaning solution; and
 - E) The VOM composite partial vapor pressure of each as-used cleaning solution, as determined in accordance with the applicable methods and procedures specified in Section 219.110 of this Part;
- 5) All sources complying with this Section pursuant to the requirements of subsection (b)(3) of this Section shall comply with the following:

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- A) By April 1, 2011, or upon initial start-up of the source, whichever is later, and upon initial start-up of a new emissions control system, include in the certification required by subsection (e)(3) of this Section a declaration that the monitoring equipment required under Section 219.187(f) of this Subpart has been properly installed and calibrated according to manufacturer's specifications;
- B) If testing of an emissions control system is conducted pursuant to Section 219.187(g) of this Subpart, the owner or operator shall, within 90 days after conducting such testing, submit a copy of all test results to the Agency and shall submit a certification to the Agency that includes the following:
 - i) A declaration that all tests and calculations necessary to demonstrate compliance with Section 219.187(b)(3) of this Subpart have been properly performed;
 - ii) A statement whether the subject cleaning operation is or is not in compliance with Section 219.187(b)(3) of this Subpart; and
 - iii) The operating parameters of the emissions control system during testing, as monitored in accordance with Section 219.187(f) of this Subpart;
- C) Collect and record daily the following information for each cleaning operation subject to the requirements of Section 219.187(b)(3) of this Subpart:
 - i) Emissions control system monitoring data in accordance with Section 219.187(f) of this Subpart, as applicable;
 - ii) A log of operating time for the emissions control system, monitoring equipment, and the associated cleaning equipment;
 - iii) A maintenance log for the emissions control system and monitoring equipment detailing all routine and non-routine maintenance performed, including dates and duration of

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

any outages;

- D) Maintain records documenting the use of good operating practices consistent with the equipment manufacturer's specifications for the cleaning equipment being used and the emissions control system equipment. At a minimum, these records shall include:
 - i) Records for periodic inspection of the cleaning equipment and emissions control system equipment with date of inspection, individual performing the inspection, and nature of inspection;
 - ii) 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 released into the atmosphere as a result of the incident;
- 6) All sources subject to the requirements of subsections (b) and (d) of this Section shall notify the Agency of any violation of subsections (b) or (d) by providing a description of the violation and copies of records documenting such violation to the Agency within 30 days following the occurrence of the violation;
- 7) All records required by this subsection (e) shall be retained by the source for at least three years and shall be made available to the Agency upon request.
- f) Monitoring Requirements
 - 1) If an afterburner or carbon adsorber is used to demonstrate compliance, the owner or operator of a source subject to Section 219.187(b)(3) of this Subpart shall:
 - A) Install, calibrate, operate, and maintain temperature monitoring devices with an accuracy of 3° C or 5° F on the emissions control system in accordance with Section 219.105(d)(2) of this Part and in accordance with the manufacturer's specifications. Monitoring shall be performed at all times when the emissions control system is operating; and

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- B) Install, calibrate, operate and maintain, in accordance with manufacturer's specifications, a continuous recorder on the temperature monitoring devices, such as a strip chart, recorder or computer, with at least the same accuracy as the temperature monitor;
 - 2) If an emissions control system other than an afterburner or carbon adsorber is used to demonstrate compliance, the owner or operator of a source subject to Section 219.187(b)(3) of this Subpart shall install, maintain, calibrate, and operate such monitoring equipment as set forth in the owner or operator's plan approved by the Agency and USEPA pursuant to Section 219.187(b)(3).
- g) Testing Requirements
- 1) Testing to demonstrate compliance with the requirements of this Section shall be conducted by the owner or operator within 90 days after a request by the Agency, or as otherwise specified in this Section. Such testing shall be conducted at the expense of the owner or operator and the owner or operator shall notify the Agency in writing 30 days in advance of conducting the testing to allow the Agency to be present during the testing;
 - 2) Testing to demonstrate compliance with the VOM content limitations in Section 219.187(b)(1) of this Subpart, and to determine the VOM content of cleaning solvents and cleaning solutions, shall be conducted, as follows:
 - A) The applicable test methods and procedures specified in Section 219.105(a) of this Part shall be used, provided, however, Method 24, incorporated by reference in Section 219.112 of this Part, shall be used to demonstrate compliance; or
 - B) The manufacturer's specifications for VOM content for cleaning solvents may be used if such manufacturer's specifications are based on results of tests of the VOM content conducted in accordance with methods specified in Section 219.105(a) of this Part, provided, however, Method 24 shall be used to determine compliance;
 - 3) Testing to determine the VOM composite partial vapor pressure of

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

cleaning solvents, cleaning solvent concentrates, and as-used cleaning solutions shall be conducted in accordance with the applicable methods and procedures specified in Section 219.110 of this Part;

- 4) For afterburners and carbon adsorbers, the methods and procedures of Section 219.105(d) through (f) shall be used for testing to demonstrate compliance with the requirements of Section 219.187(b)(3) of this Subpart, as follows:
 - A) To select the sampling sites, Method 1 or 1A, as appropriate, 40 CFR 60, Appendix A, incorporated by reference in Section 219.112 of this Part;
 - B) To determine the volumetric flow rate of the exhaust stream, Method 2, 2A, 2C, or 2D, as appropriate, 40 CFR 60, Appendix A, incorporated by reference in Section 219.112 of this Part;
 - C) To determine the VOM concentration of the exhaust stream entering and exiting the emissions control system, Method 25 or 25A, as appropriate, 40 CFR 60, Appendix A, incorporated by reference in Section 219.112 of this Part. For thermal and catalytic afterburners, Method 25 must be used except under the following circumstances, in which case Method 25A must be used:
 - i) The allowable outlet concentration of VOM from the emissions control system is less than 50 ppmv, as carbon;
 - ii) The VOM concentration at the inlet of the emissions control system and the required level of control result in exhaust concentrations of VOM of 50 ppmv, or less, as carbon; and
 - iii) Due to the high efficiency of the emissions control system, the anticipated VOM concentration at the emissions control system exhaust is 50 ppmv or less, as carbon, regardless of inlet concentration. If the source elects to use Method 25A under this option, the exhaust VOM concentration must be 50 ppmv or less, as carbon, and the required destruction efficiency must be met for the source to have demonstrated compliance. If the Method 25A test results show that the

ILLINOIS REGISTER

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

required destruction efficiency apparently has been met, but the exhaust concentration is above 50 ppmv, as carbon, a retest is required. The retest shall be conducted using either Method 25 or Method 25A. If the retest is conducted using Method 25A and the test results again show that the required destruction efficiency apparently has been met, but the exhaust concentration is above 50 ppmv, as carbon, the source must retest using Method 25;

- D) During testing, the cleaning equipment shall be operated at representative operating conditions and flow rates;
- 5) An owner or operator using an emissions control system other than an afterburner or carbon adsorber shall conduct testing to demonstrate compliance with the requirements of Section 219.187(b)(3) of this Subpart as set forth in the owner or operator's plan approved by the Agency and USEPA as federally enforceable permit conditions pursuant to Section 219.187(b)(3) of this Subpart.

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