

POLLUTION CONTROL BOARD
NOTICE OF PROPOSED AMENDMENTSRECEIVED
CLERK'S OFFICE

MAY 10 2012

STATE OF ILLINOIS
Pollution Control Board

- 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)

<u>Section Numbers:</u>	<u>Proposed Action:</u>
219.112	Amend
219.128	Amend
219.585	Repeal
219.784	Amend
219.792	Repeal
- 4) Statutory Authority: Implementing Section 10 and authorized by Sections 27 and 28 of the Environmental Protection Act [415 ILCS 5/10, 27 and 28]
- 5) A Complete Description of the Subjects and Issues Involved: A lengthy discussion of the whole of this rulemaking docket is discussed in the Board's April 19, 2012 opinion and order: In the Matter of: Gasoline Volatility Standards and Motor Vehicle Refinishing; Proposed Amendments to 35 Ill. Adm. Code Parts 211, 215, 218, and 219, R 12-24 (Apr. 19, 2012). In Part 219, this proposal repeals the Pollution Control Board's Gasoline Volatility Standards for the Metro East area at 35 Ill. Adm. Code 219.585 due to the applicability of the federal reformulated gasoline program. This proposal also updates incorporations by reference to be consistent with this proposed repeal and updates an ASTM standard. In addition, this proposal contains regulatory relief for the motor vehicle refinishing industry. It amends 35 Ill. Adm. Code 219.784 to allow for the use of an equivalent high volume, low pressure (HVLP) spray gun in motor vehicle refinishing operations and repeals the registration requirement at 35 Ill. Adm. Code 219.792 due to overlapping federal registration requirements.
- 6) Published studies or reports, and sources of underlying data, used to compose this rulemaking: Specifically as to Part 281 only, ASTM D-323-08 As to the entire R12-24 proposal generally, see the list of documents in the answer to this question in the notice of proposed amendments to Part 218.
- 7) Will this rulemaking replace any emergency rulemaking currently in effect? No
- 8) Does this rulemaking contain an automatic repeal date? No
- 9) Does this rulemaking contain incorporations by reference? Yes

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- 10) Are there any other proposed rulemakings pending in this Part? No
- 11) Statement of Statewide Policy Objective: This proposed rulemaking does not create or enlarge a State mandate, as defined in Section 3(b) of the State Mandates Act [30 ILCS 805/3(b)].
- 12) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: The Pollution Control Board will accept written public comments on this proposal for a period of 45 days after the date of publication in the *Illinois Register*. Comments should reference Docket R12-24 and be addressed to:

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

312/814-3620

The Board will also schedule two public hearings in this docket.

- 13) Initial Regulatory Flexibility Analysis:
- A) Types of small businesses, small municipalities and not for profit corporations affected: Any small business, small municipality, or not for profit corporation engaged in the manufacture, sale, distribution, dispensing, supply, storage, or transport of gasoline will no longer be subject to 35 Ill. Adm. Code 219.585 and will continue to be subject to the federal reformulated gasoline program requirements. At its own option, any small business, small municipality, or not for profit corporation that meets the applicability criteria for motor vehicle refinishing operations will be allowed to use an equivalent HVLP spray gun as an alternate compliance option in motor vehicle refinishing operations. The amendment to 35 Ill. Adm. Code 219.792 will repeal the requirement to register with the Illinois EPA.
- B) Reporting, bookkeeping or other procedures required for compliance: None for affected sources currently subject to the requirements in 35 Ill. Adm. Code 219.585. The federal reformulated gasoline program requires compliance with various recordkeeping, reporting, and registration requirements. Any source seeking to avail itself of the regulatory relief proposed in the amendment to 35 Ill. Adm. Code 219.784 will be required to maintain USEPA's written approval of

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the equivalent HVLP spray gun at the motor vehicle refinishing operation. The amendment to 35 Ill. Adm. Code 219.792 will repeal the requirement to register with the Illinois EPA.

- C) Types of Professional skills necessary for compliance: None
- 14) Regulatory Agenda on which this rulemaking was summarized: January 2012

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

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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Coatings, and Large Appliance Coatings
219.219 Work Practice Standards for Automobile and Light-Duty Truck Assembly
Coatings and Miscellaneous Metal and Plastic Parts Coatings

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Weighted Average Flow Rate Values for Batch Operations
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219.582 Bulk Gasoline Terminals
219.583 Gasoline Dispensing Operations - Storage Tank Filling Operations
219.584 Gasoline Delivery Vessels
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219.586 Gasoline Dispensing Operations - Motor Vehicle Fueling Operations
(Repealed)

SUBPART Z: DRY CLEANERS

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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
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219.609 Program for Inspection and Repair of Leaks
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219.790 General Recordkeeping and Reporting (Repealed)
219.791 Compliance Date
219.792 Registration (Repealed)
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)

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219.APPENDIX A List of Chemicals Defining Synthetic Organic Chemical and
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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)
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219.APPENDIX E List of Affected Marine Terminals
219.APPENDIX G TRE Index Measurements for SOCOMI Reactors and Distillation
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219.APPENDIX H Baseline VOM Content Limitations for Subpart F, Section
219.212 Cross-Line Averaging

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

SOURCE: Adopted in R91-8 at 15 Ill. Reg. 12491, effective August 16, 1991;
amended in R91-24 at 16 Ill. Reg. 13597, effective August 24, 1992; amended in
R91-30 at 16 Ill. Reg. 13883, effective August 24, 1992; emergency amendment in
R93-12 at 17 Ill. Reg. 8295, effective May 24, 1993, for a maximum of 150 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 R10-8 at 34 Ill. Reg. 9253, effective June 25, 2010; amended in R10-20 at 34 Ill. Reg. 14326, effective September 14, 2010; amended in R10-8(A) at 35 Ill. Reg. 496, effective December 21, 2010; amended in R11-23 at 35 Ill. Reg. 13676, effective July 27, 2011; amended in R11-23(A) at 35 Ill. Reg. 18830, effective October 25, 2011; amended in R12-24 at 36 Ill. Reg. _____, effective _____.

SUBPART A: GENERAL PROVISIONS

Section 219.112 Incorporations by Reference

The following materials are incorporated by reference and do not contain any subsequent additions or amendments:

a) American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken PA 19428-9555

- 1) ASTM D 2879-86
- 2) ASTM D 323-08~~ASTM D 323-82~~
- 3) ASTM D 86-82
- 4) ASTM D 369-69 (1971)
- 5) ASTM D 396-69
- 6) ASTM D 2880-71
- 7) ASTM D 975-68
- 8) ASTM D 3925-81 (1985)
- 9) ASTM E 300-86
- 10) ASTM D 1475-85
- 11) ASTM D 2369-87
- 12) ASTM D 3792-86
- 13) ASTM D 4017-81 (1987)
- 14) ASTM D 4457-85
- 15) ASTM D 2697-86
- 16) ASTM D 3980-87
- 17) ASTM E 180-85
- 18) ASTM D 2372-85
- 19) ASTM D 97-66

20) ASTM E 168-87 (1977)

21) ASTM E 169-87

22) ASTM E 260-91

23) ASTM D 2504-83

24) ASTM D 2382-83

~~25) ASTM D 323-82 (approved 1982)~~

b) Standard Industrial Classification Manual, published by Executive Office of the President, Office of Management and Budget, Washington, D.C., 1987.

c) American Petroleum Institute Bulletin 2517, "Evaporation Loss From Floating Roof Tanks", Second ed., February 1980.

d) 40 CFR 60 (July 1, 1991).

e) 40 CFR 61 (July 1, 1991).

f) 40 CFR 50 (July 1, 1991).

g) 40 CFR 51 (July 1, 1991) and 40 CFR 51, appendix M, Methods 204-204F (July 1, 1999).

h) 40 CFR 52 (July 1, 1991).

~~i) 40 CFR 80 (July 1, 1991) and 40 CFR 80, appendixes D, E, and F (July 1, 1993).~~

i)j) "A Guide for Surface Coating Calculation", July 1986, United States Environmental Protection Agency, Washington, D.C., EPA-340/1-86-016.

j)k) "Procedures for Certifying Quantity of Volatile Organic Compounds Emitted by Paint, Ink and Other Coating", (revised June 1986), United States Environmental Protection Agency, Washington D.C., EPA-450/3-84-019.

k)l) "A Guide for Graphic Arts Calculations", August 1988, United States Environmental Protection Agency, Washington D.C., EPA-340/1-88-003.

l)m) "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations", December 1988, United States Environmental Protection Agency, Washington D.C., EPA-450/3-88-018.

m)n) "Control of Volatile Organic Emissions from Manufacturing of Synthesized Pharmaceutical Products", December 1978, United States Environmental Protection Agency, Washington, D.C., EPA-450/2-78-029.

n)o) "Control of Volatile Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems", December 1978, Appendix B, United States Environmental Protection Agency, Washington, D.C., EPA-450/2-78-051.

- o) ~~p~~ "Control of Volatile Organic Compound Emissions from Large Petroleum Dry Cleaners", September 1982, United States Environmental Protection Agency, Washington, D.C., EPA-450/3-82-009.
- p) ~~q~~ "APTI Course SI417 Controlling Volatile Organic Compound Emissions from Leaking Process Equipment", 1982, United States Environmental Protection Agency, Washington, D.C., EPA-450/2-82-015.
- q) ~~r~~ "Portable Instrument User's Manual for Monitoring VOM Sources", June 1986, United States Environmental Protection Agency, Washington, D.C., EPA-340/1-86-015.
- r) ~~s~~ "Protocols for Generating Unit-Specific Emission Estimates for Equipment Leaks of VOM and VHAP", October 1988, United States Environmental Protection Agency, Washington, D.C., EPA-450/3-88-010.
- s) ~~t~~ "Petroleum Refinery Enforcement Manual", March 1980, United States Environmental Protection Agency, Washington, D.C., EPA-340/1-80-008.
- t) ~~u~~ "Inspection Manual for Control of Volatile Organic Emissions from Gasoline Marketing Operations: Appendix D", 1980, United States Environmental Protection Agency, Washington, D.C., EPA-340/1-80-012.
- u) ~~v~~ "Control of Hydrocarbons from Tank Truck Gasoline Loading Terminals: Appendix A", December 1977, United States Environmental Protection Agency, Washington, D.C., EPA-450/2-77-026.
- v) ~~w~~ "Technical Guidance-Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities", November 1991, United States Environmental Protection Agency, Washington, D.C., EPA-450/3-91-022b.
- w) ~~x~~ California Air Resources Board, Compliance Division. Compliance Assistance Program: Gasoline Marketing and Distribution: Gasoline Facilities Phase I & II (October 1988, rev. November 1993) (CARB Manual).
- x) ~~y~~ "Guidelines for Determining Capture Efficiency", January 1995, Office of Air Quality Planning and Standards, United States Environmental Protection Agency, Research Triangle Park NC.
- y) ~~z~~ Memorandum "Revised Capture Efficiency Guidance for Control of Volatile Organic Compound Emissions", February 1995, John S. Seitz, Director, Office of Air Quality Planning and Standards, United States Environmental Protection Agency.
- z) ~~aa~~ "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Primer-Surfacer and Topcoat Operations", September 2008, United States Environmental Protection Agency, Washington, D.C., EPA-453/R-08-002.
- aa) ~~bb~~ 40 CFR 63 Subpart PPPP, appendix A (2008).
- bb) ~~cc~~ 46 CFR Subchapter Q (2007).
- cc) ~~dd~~ 46 CFR Subchapter T (2008).

(Source: Amended at 36 Ill. Reg. _____, effective _____)

SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS

Section 219.128 Monitoring VOL Operations

a) Except as provided in subsection (d)~~-below~~, the owner or operator of each storage vessel with a design capacity greater than or equal to 40,000 gallons storing a liquid with a maximum true vapor pressure that is normally less than 0.75 psia shall notify the Agency within 30 days when the maximum true vapor pressure of the liquid exceeds 0.75 psia.

b) Available data on the storage temperature may be used to determine the maximum true vapor pressure.

1) For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.

2) For other liquids, the vapor pressure:

A) Determined by ASTM Method D2879-83, incorporated by reference at Section 219.112(a)~~219.112(a)(1)~~ of this Part;

B) Measured by an appropriate method approved by the Agency and USEPA; or

C) Calculated by an appropriate method approved by the Agency and USEPA.

c) The owner or operator of each vessel storing a mixture of indeterminate or variable composition shall be subject to the following:

1) Prior to the initial filling of the vessel, the maximum true vapor pressure for the range of anticipated liquid compositions to be stored will be determined using the methods described in subsection (b)~~-above~~.

2) For vessels in which the vapor pressure of the anticipated liquid composition is 0.5 psia or greater but less than 0.75 psia, an initial physical test of the vapor pressure is required; a physical test at least once every 6 months thereafter is required as determined by the following methods:

A) ASTM Method D2879-83, incorporated by reference at Section 219.112(a)~~219.112(a)(1)~~ of this Part;

B) ASTM Method D323-~~08D323-82~~, 08, incorporated by reference at Section 219.112(a)~~219.112(a)(25)~~ of this Part; or

C) As measured by an appropriate method approved by the Agency.

d) The owner or operator of each vessel equipped with a closed vent system and control device meeting the specifications of Section 219.120 of this Subpart is exempt from the requirements of subsections (a) and (b)~~-above~~.

(Source: Amended at 36 Ill. Reg. _____, effective _____)

SUBPART Y: GASOLINE DISTRIBUTION

Section 219.585 Gasoline Volatility Standards (Repealed)

- ~~a) No person shall sell, offer for sale, dispense, supply, offer for supply, or transport for use in Illinois gasoline whose Reid vapor pressure exceeds the applicable limitations set forth in subsections (b) and (c) below during the regulatory control periods, which shall be June 1 to September 15.~~
- ~~b) The Reid vapor pressure of gasoline, a measure of its volatility, shall not exceed 7.2 psi (49.68 kPa) during the regulatory control period in 1995 and each year thereafter.~~
- ~~c) The Reid vapor pressure of ethanol blend gasolines having at least nine percent (9%) but not more than ten percent (10%) ethyl alcohol by volume of the blended mixture, shall not exceed the limitations for gasoline set forth in subsection (b) of this Section by more than 1.0 psi (6.9 kPa). Notwithstanding this limitation, blenders of ethanol blend gasolines whose Reid vapor pressure is less than 1.0 psi above the base stock gasoline immediately after blending with ethanol are prohibited from adding butane or any product that will increase the Reid vapor pressure of the blended gasoline.~~
- ~~d) All sampling of gasoline required pursuant to the provisions of this Section shall be conducted in accordance with the procedures contained in 40 CFR Part 80, Appendix D, Sampling Procedures for Fuel Volatility, which are incorporated by reference in Section 219.112 of this Part.~~
- ~~e) The Reid vapor pressure of gasoline shall be measured in accordance with the procedures contained in "Tests for Determining Reid Vapor Pressure (RVP) of Gasoline and Gasoline-Oxygenate Blends" as set forth in 40 CFR 80, Appendix E, incorporated by reference in 35 Ill. Adm. Code 219.112 of this Part.~~
- ~~f) The ethanol content of ethanol blend gasolines shall be determined by use of one of the approved testing methodologies specified in 40 CFR Part 80, Appendix F, incorporated by reference in 35 Ill. Adm. Code 219.112 of this Part.~~
- ~~g) Any alternate to the sampling or testing methods or procedures contained in subsections (d), (e), and (f) of this Section must be approved by the Agency, which shall consider data comparing the performance of the proposed alternative to the performance of one or more approved test methods or procedures. Such data shall accompany any request for Agency approval of any alternate test procedure. If the Agency determines that such data demonstrates that the proposed alternative will achieve results equivalent to the approved test methods or will achieve results equivalent to the approved test methods or procedures, the Agency shall approve the proposed alternative.~~
- ~~h) Recordkeeping and reporting:~~
- ~~1) Each refiner or supplier that distributes gasoline or ethanol blends shall:~~
- ~~A) During the regulatory control period, state that the Reid vapor pressure of all gasoline or ethanol blends leaving the refinery or distribution facility for use in Illinois complies with the Reid vapor pressure limitations set forth in 35 Ill. Adm. Code 219.585(b) and (c) of this Part. Any source receiving this gasoline shall be provided with a copy of an invoice, bill of lading, or other documentation used in normal business practice stating that the Reid vapor pressure of the gasoline complies with the State Reid vapor pressure standard.~~

~~B) Maintain records for a period of three years on the Reid vapor pressure, quantity shipped and date of delivery of any gasoline or ethanol blends leaving the refinery or distribution facility for use in Illinois. The Agency shall be provided with copies of such records if requested.~~

~~2) Records and reports required by subsections (h)(2)(A) and (h)(2)(B) below shall be made available to the Agency upon request. During the regulatory control period, the owner or operator of a gasoline dispensing operation subject to this Section shall:~~

~~A) Retain a copy of an invoice, bill of lading, or other documentation used in normal business practice stating that the Reid vapor pressure of the gasoline complies with the State Reid vapor pressure standard as provided in subsection (h)(1)(A) above; and~~

~~B) Maintain records for a period of three years on the Reid vapor pressure, quantity received and date of delivery of any gasoline or ethanol blends arriving at the gasoline operation.~~

(Source: Repealed at 36 Ill. Reg. _____, effective _____)

SUBPART HH: MOTOR VEHICLE REFINISHING

Section 219.784 Equipment Specifications

Every owner or operator of a motor vehicle refinishing operation, unless the source uses less than 20 gallons of coating per calendar year from all motor vehicle refinishing operations combined, shall:

a) Coat motor vehicles, mobile equipment, or their parts and components using one of the following coating applicators:

1) Electrostatic spray equipment calibrated, operated and maintained in accordance with the manufacturer's specifications; ~~or~~

2) High Volume Low Pressure (HVLV) spray equipment calibrated, operated and maintained in accordance with the manufacturer's specifications; or ~~and~~

3) An equivalent coating applicator technology that is demonstrated by the manufacturer to achieve transfer efficiency comparable to the HVLV spray equipment technology listed in subsection (a)(2) of this Section for a comparable operation, and for which written approval has been obtained from ~~the~~ USEPA. The owner or operator must maintain documentation of ~~the~~ USEPA's approval at the motor vehicle refinishing operation; and

b) Clean all coating applicators with a device that:

1) Recirculates solvent during the cleaning process;

2) Collects spent solvent so it is available for disposal or recycling; and

3) Minimizes evaporation of solvents during cleaning, rinsing, draining, and storage.

(Source: Amended at 36 Ill. Reg. _____, effective _____)

Section 219.792 Registration (Repealed)

~~a) Every owner or operator of a motor vehicle refinishing operation shall register with the Agency on or before the date specified in Section 219.791 of this Subpart. The following information shall be included in this registration:~~

~~1) The name and address of the source, and the name and telephone number of the person responsible for submitting the registration information;~~

~~2) A description of all coating operations of motor vehicles, mobile equipment, or their parts or components, and all associated surface preparation operations at the source;~~

~~3) A description of all coating applicators used at the source to comply with Section 219.784(a) of this Subpart, if applicable;~~

~~4) A description of all cleanup operations at the source, including equipment used to comply with Section 219.784(b) of this Subpart, if applicable;~~

~~5) A description of all work practices at the source used to comply with Section 219.787 of this Subpart;~~

~~6) If a source claims to be exempt from the equipment requirements in Section 219.784 of this Subpart because it uses less than 20 gallons of coating per year, the owner's or operator's certification that the annual usage is below this level;~~

~~7) A written declaration stating whether the source is complying with this Subpart by using coatings that comply with the applicable VOM content limits in Section 219.780 of this Subpart or by control equipment as specified in Section 219.782, and~~

~~8) A description of any control devices used to comply with Section 219.782 of this Subpart and the date(s) the device was installed and became operational.~~

~~b) At least 30 calendar days before changing the method of compliance to or from Sections 219.780 and 219.782, the owner or operator of a motor vehicle refinishing operation shall notify the Agency and certify that the source is in compliance with the applicable requirements for the new method of compliance.~~

(Source: Repealed at 36 Ill. Reg. _____, effective _____)

~~ILLINOIS REGISTER~~

JCAR350219-1206975r01

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

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STATE OF ILLINOIS
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1 TITLE 35: ENVIRONMENTAL PROTECTION
2 SUBTITLE B: AIR POLLUTION
3 CHAPTER I: POLLUTION CONTROL BOARD
4 SUBCHAPTER c: EMISSIONS STANDARDS AND LIMITATIONS
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7 PART 219
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9 FOR THE METRO EAST AREA
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 293 219.790 General Recordkeeping and Reporting (Repealed)
 294 219.791 Compliance Date
 295 219.792 Registration (Repealed)
 296 219.875 Applicability of Subpart BB (Renumbered)
 297 219.877 Emissions Limitation at Polystyrene Plants (Renumbered)
 298 219.879 Compliance Date (Repealed)
 299 219.881 Compliance Plan (Repealed)
 300 219.883 Special Requirements for Compliance Plan (Repealed)
 301 219.886 Emissions Testing (Renumbered)

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- 366 219.APPENDIX B VOM Measurement Techniques for Capture Efficiency (Repealed)
- 367 219.APPENDIX C Reference Methods and Procedures
- 368 219.APPENDIX D Coefficients for the Total Resource Effectiveness Index (TRE) Equation
- 369 219.APPENDIX E List of Affected Marine Terminals
- 370 219.APPENDIX G TRE Index Measurements for SOCOMI Reactors and Distillation Units
- 371 219.APPENDIX H Baseline VOM Content Limitations for Subpart F, Section 219.212 Cross-Line Averaging

372

373
374
375 AUTHORITY: Implementing Section 10 and authorized by Sections 27, 28 and 28.5 of the
376 Environmental Protection Act [415 ILCS 5/10, 27, 28 and 28.5].

377

378 SOURCE: Adopted in R91-8 at 15 Ill. Reg. 12491, effective August 16, 1991; amended in R91-
379 24 at 16 Ill. Reg. 13597, effective August 24, 1992; amended in R91-30 at 16 Ill. Reg. 13883,
380 effective August 24, 1992; emergency amendment in R93-12 at 17 Ill. Reg. 8295, effective May
381 24, 1993, for a maximum of 150 days; amended in R93-9 at 17 Ill. Reg. 16918, effective
382 September 27, 1993 and October 21, 1993; amended in R93-28 at 18 Ill. Reg. 4242, effective
383 March 3, 1994; amended in R94-12 at 18 Ill. Reg. 14987, effective September 21, 1994;
384 amended in R94-15 at 18 Ill. Reg. 16415, effective October 25, 1994; amended in R94-16 at 18
385 Ill. Reg. 16980, effective November 15, 1994; emergency amendment in R95-10 at 19 Ill. Reg.
386 3059, effective February 28, 1995, for a maximum of 150 days; amended in R94-21, R94-31 and
387 R94-32 at 19 Ill. Reg. 6958, effective May 9, 1995; amended in R94-33 at 19 Ill. Reg. 7385,

388 effective May 22, 1995; amended in R96-2 at 20 Ill. Reg. 3848, effective February 15, 1996;
 389 amended in R96-13 at 20 Ill. Reg. 14462, effective October 28, 1996; amended in R97-24 at 21
 390 Ill. Reg. 7721, effective June 9, 1997; amended in R97-31 at 22 Ill. Reg. 3517, effective
 391 February 2, 1998; amended in R04-12/20 at 30 Ill. Reg. 9799, effective May 15, 2006; amended
 392 in R06-21 at 31 Ill. Reg. 7110, effective April 30, 2007; amended in R10-10 at 34 Ill. Reg. 5392,
 393 effective March 23, 2010; amended in R10-8 at 34 Ill. Reg. 9253, effective June 25, 2010;
 394 amended in R10-20 at 34 Ill. Reg. 14326, effective September 14, 2010; amended in R10-8(A) at
 395 35 Ill. Reg. 496, effective December 21, 2010; amended in R11-23 at 35 Ill. Reg. 13676,
 396 effective July 27, 2011; amended in R11-23(A) at 35 Ill. Reg. 18830, effective October 25, 2011;
 397 amended in R12-24 at 36 Ill. Reg. _____, effective _____.

398
 399 **SUBPART A: GENERAL PROVISIONS**

400
 401 **Section 219.112 Incorporations by Reference**

402
 403 The following materials are incorporated by reference and do not contain any subsequent
 404 additions or amendments:

- 405
 406 a) American Society for Testing and Materials, 100 Barr Harbor Drive, West
 407 Conshohocken PA 19428-9555
 408
 409 1) ASTM D 2879-86
 410
 411 2) ASTM D 323-08~~ASTM D 323-82~~
 412
 413 3) ASTM D 86-82
 414
 415 4) ASTM D 369-69 (1971)
 416
 417 5) ASTM D 396-69
 418
 419 6) ASTM D 2880-71
 420
 421 7) ASTM D 975-68
 422
 423 8) ASTM D 3925-81 (1985)
 424
 425 9) ASTM E 300-86
 426
 427 10) ASTM D 1475-85
 428
 429 11) ASTM D 2369-87
 430

- 431 12) ASTM D 3792-86
432
433 13) ASTM D 4017-81 (1987)
434
435 14) ASTM D 4457-85
436
437 15) ASTM D 2697-86
438
439 16) ASTM D 3980-87
440
441 17) ASTM E 180-85
442
443 18) ASTM D 2372-85
444
445 19) ASTM D 97-66
446
447 20) ASTM E 168-87 (1977)
448
449 21) ASTM E 169-87
450
451 22) ASTM E 260-91
452
453 23) ASTM D 2504-83
454
455 24) ASTM D 2382-83
456
457 ~~25) ASTM D 323-82 (approved 1982)~~
458
459 b) Standard Industrial Classification Manual, published by Executive Office of the
460 President, Office of Management and Budget, Washington, D.C., 1987.
461
462 c) American Petroleum Institute Bulletin 2517, "Evaporation Loss From Floating
463 Roof Tanks", Second ed., February 1980.
464
465 d) 40 CFR 60 (July 1, 1991).
466
467 e) 40 CFR 61 (July 1, 1991).
468
469 f) 40 CFR 50 (July 1, 1991).
470
471 g) 40 CFR 51 (July 1, 1991) and 40 CFR 51, appendix M, Methods 204-204F (July
472 1, 1999).
473

- 474 h) 40 CFR 52 (July 1, 1991).
 475
 476 i) ~~40 CFR 80 (July 1, 1991) and 40 CFR 80, appendixes D, E, and F (July 1, 1993).~~
 477
 478 i)j) "A Guide for Surface Coating Calculation", July 1986, United States
 479 Environmental Protection Agency, Washington, D.C., EPA-340/1-86-016.
 480
 481 j)k) "Procedures for Certifying Quantity of Volatile Organic Compounds Emitted by
 482 Paint, Ink and Other Coating"; (revised June 1986), United States Environmental
 483 Protection Agency, Washington D.C., EPA-450/3-84-019.
 484
 485 k)l) "A Guide for Graphic Arts Calculations", August 1988, United States
 486 Environmental Protection Agency, Washington D.C., EPA-340/1-88-003.
 487
 488 l)m) "Protocol for Determining the Daily Volatile Organic Compound Emission Rate
 489 of Automobile and Light-Duty Truck Topcoat Operations", December 1988,
 490 United States Environmental Protection Agency, Washington D.C., EPA-450/3-
 491 88-018.
 492
 493 m)n) "Control of Volatile Organic Emissions from Manufacturing of Synthesized
 494 Pharmaceutical Products", December 1978, United States Environmental
 495 Protection Agency, Washington, D.C., EPA-450/2-78-029.
 496
 497 n)o) "Control of Volatile Organic Compound Leaks from Gasoline Tank Trucks and
 498 Vapor Collection Systems", December 1978, Appendix B, United States
 499 Environmental Protection Agency, Washington, D.C., EPA-450/2-78-051.
 500
 501 o)p) "Control of Volatile Organic Compound Emissions from Large Petroleum Dry
 502 Cleaners", September 1982, United States Environmental Protection Agency,
 503 Washington, D.C., EPA-450/3-82-009.
 504
 505 p)q) "APTI Course SI417 Controlling Volatile Organic Compound Emissions from
 506 Leaking Process Equipment", 1982, United States Environmental Protection
 507 Agency, Washington, D.C., EPA-450/2-82-015.
 508
 509 q)r) "Portable Instrument User's Manual for Monitoring VOM Sources", June 1986,
 510 United States Environmental Protection Agency, Washington, D.C., EPA-340/1-
 511 86-015.
 512
 513 r)s) "Protocols for Generating Unit-Specific Emission Estimates for Equipment Leaks
 514 of VOM and VHAP", October 1988, United States Environmental Protection
 515 Agency, Washington, D.C., EPA-450/3-88-010.
 516

- 517 s)t) "Petroleum Refinery Enforcement Manual", March 1980, United States
 518 Environmental Protection Agency, Washington, D.C., EPA-340/1-80-008.
 519
- 520 t)u) "Inspection Manual for Control of Volatile Organic Emissions from Gasoline
 521 Marketing Operations: Appendix D", 1980, United States Environmental
 522 Protection Agency, Washington, D.C., EPA-340/1-80-012.
 523
- 524 u)v) "Control of Hydrocarbons from Tank Truck Gasoline Loading Terminals:
 525 Appendix A", December 1977, United States Environmental Protection Agency,
 526 Washington, D.C., EPA-450/2-77-026.
 527
- 528 v)w) "Technical Guidance-Stage II Vapor Recovery Systems for Control of Vehicle
 529 Refueling Emissions at Gasoline Dispensing Facilities", November 1991, United
 530 States Environmental Protection Agency, Washington, D.C., EPA-450/3-91-022b.
 531
- 532 w)x) California Air Resources Board, Compliance Division. Compliance Assistance
 533 Program: Gasoline Marketing and Distribution: Gasoline Facilities Phase I & II
 534 (October 1988, rev. November 1993) (CARB Manual).
 535
- 536 x)y) "Guidelines for Determining Capture Efficiency", January 1995, Office of Air
 537 Quality Planning and Standards, United States Environmental Protection Agency,
 538 Research Triangle Park NC.
 539
- 540 y)z) Memorandum "Revised Capture Efficiency Guidance for Control of Volatile
 541 Organic Compound Emissions", February 1995, John S. Seitz, Director, Office of
 542 Air Quality Planning and Standards, United States Environmental Protection
 543 Agency.
 544
- 545 z)aa) "Protocol for Determining the Daily Volatile Organic Compound Emission Rate
 546 of Automobile and Light-Duty Truck Primer-Surfacer and Topcoat Operations",
 547 September 2008, United States Environmental Protection Agency, Washington,
 548 D.C., EPA-453/R-08-002.
 549
- 550 aa)bb) 40 CFR 63 Subpart P, appendix A (2008).
 551
- 552 bb)ee) 46 CFR Subchapter Q (2007).
 553
- 554 cc)dd) 46 CFR Subchapter T (2008).
 555
- 556 (Source: Amended at 36 Ill. Reg. _____, effective _____)
 557

558 SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS
 559

Section 219.128 Monitoring VOL Operations

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- a) Except as provided in subsection (d) ~~below~~, the owner or operator of each storage vessel with a design capacity greater than or equal to 40,000 gallons storing a liquid with a maximum true vapor pressure that is normally less than 0.75 psia shall notify the Agency within 30 days when the maximum true vapor pressure of the liquid exceeds 0.75 psia.
 - b) Available data on the storage temperature may be used to determine the maximum true vapor pressure.
 - 1) For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.
 - 2) For other liquids, the vapor pressure:
 - A) Determined by ASTM Method D2879-83, incorporated by reference at Section 219.112(a) ~~219.112(a)(1)~~ of this Part;
 - B) Measured by an appropriate method approved by the Agency and USEPA; or
 - C) Calculated by an appropriate method approved by the Agency and USEPA.
 - c) The owner or operator of each vessel storing a mixture of indeterminate or variable composition shall be subject to the following:
 - 1) Prior to the initial filling of the vessel, the maximum true vapor pressure for the range of anticipated liquid compositions to be stored will be determined using the methods described in subsection (b) ~~above~~.
 - 2) For vessels in which the vapor pressure of the anticipated liquid composition is 0.5 psia or greater but less than 0.75 psia, an initial physical test of the vapor pressure is required; a physical test at least once every 6 months thereafter is required as determined by the following methods:
 - A) ASTM Method D2879-83, incorporated by reference at Section

- 603 219.112(a)~~219.112(a)(1)~~ of this Part;
 604
 605 B) ASTM Method D323-08~~D323-82~~, incorporated by reference at
 606 Section 219.112(a)~~219.112(a)(25)~~ of this Part; or
 607
 608 C) As measured by an appropriate method approved by the Agency.
 609
 610 d) The owner or operator of each vessel equipped with a closed vent system and
 611 control device meeting the specifications of Section 219.120 of this Subpart is
 612 exempt from the requirements of subsections (a) and (b)-above.
 613

614 (Source: Amended at 36 Ill. Reg. _____, effective _____)
 615

616 SUBPART Y: GASOLINE DISTRIBUTION
 617

618 **Section 219.585 Gasoline Volatility Standards (Repealed)**
 619

- 620 a) ~~No person shall sell, offer for sale, dispense, supply, offer for supply, or transport~~
 621 ~~for use in Illinois gasoline whose Reid vapor pressure exceeds the applicable~~
 622 ~~limitations set forth in subsections (b) and (c) below during the regulatory control~~
 623 ~~periods, which shall be June 1 to September 15.~~
 624
 625 b) ~~The Reid vapor pressure of gasoline, a measure of its volatility, shall not exceed~~
 626 ~~7.2 psi (49.68 kPa) during the regulatory control period in 1995 and each year~~
 627 ~~thereafter.~~
 628
 629 e) ~~The Reid vapor pressure of ethanol blend gasolines having at least nine percent~~
 630 ~~(9%) but not more than ten percent (10%) ethyl alcohol by volume of the blended~~
 631 ~~mixture, shall not exceed the limitations for gasoline set forth in subsection (b) of~~
 632 ~~this Section by more than 1.0 psi (6.9 kPa). Notwithstanding this limitation,~~
 633 ~~blenders of ethanol blend gasolines whose Reid vapor pressure is less than 1.0 psi~~
 634 ~~above the base stock gasoline immediately after blending with ethanol are~~
 635 ~~prohibited from adding butane or any product that will increase the Reid vapor~~
 636 ~~pressure of the blended gasoline.~~
 637
 638 d) ~~All sampling of gasoline required pursuant to the provisions of this Section shall~~
 639 ~~be conducted in accordance with the procedures contained in 40 CFR Part 80,~~
 640 ~~Appendix D, Sampling Procedures for Fuel Volatility, which are incorporated by~~
 641 ~~reference in Section 219.112 of this Part.~~
 642
 643 e) ~~The Reid vapor pressure of gasoline shall be measured in accordance with the~~
 644 ~~procedures contained in "Tests for Determining Reid Vapor Pressure (RVP) of~~
 645 ~~Gasoline and Gasoline Oxygenate Blends" as set forth in 40 CFR 80, Appendix~~

- 646 E, incorporated by reference in 35 Ill. Adm. Code 219.112 of this Part.
 647
 648 f) The ethanol content of ethanol blend gasolines shall be determined by use of one
 649 of the approved testing methodologies specified in 40 CFR Part 80, Appendix F,
 650 incorporated by reference in 35 Ill. Adm. Code 219.112 of this Part.
 651
 652 g) Any alternate to the sampling or testing methods or procedures contained in
 653 subsections (d), (e), and (f) of this Section must be approved by the Agency,
 654 which shall consider data comparing the performance of the proposed alternative
 655 to the performance of one or more approved test methods or procedures. Such
 656 data shall accompany any request for Agency approval of any alternate test
 657 procedure. If the Agency determines that such data demonstrates that the
 658 proposed alternative will achieve results equivalent to the approved test methods
 659 or will achieve results equivalent to the approved test methods or procedures, the
 660 Agency shall approve the proposed alternative.
 661
 662 h) Recordkeeping and reporting:
 663
 664 1) Each refiner or supplier that distributes gasoline or ethanol blends shall:
 665
 666 A) During the regulatory control period, state that the Reid vapor
 667 pressure of all gasoline or ethanol blends leaving the refinery or
 668 distribution facility for use in Illinois complies with the Reid vapor
 669 pressure limitations set forth in 35 Ill. Adm. Code 219.585(b) and
 670 (c) of this Part. Any source receiving this gasoline shall be
 671 provided with a copy of an invoice, bill of lading, or other
 672 documentation used in normal business practice stating that the
 673 Reid vapor pressure of the gasoline complies with the State Reid
 674 vapor pressure standard.
 675
 676 B) Maintain records for a period of three years on the Reid vapor
 677 pressure, quantity shipped and date of delivery of any gasoline or
 678 ethanol blends leaving the refinery or distribution facility for use in
 679 Illinois. The Agency shall be provided with copies of such records
 680 if requested.
 681
 682 2) Records and reports required by subsections (h)(2)(A) and (h)(2)(B) below
 683 shall be made available to the Agency upon request. During the
 684 regulatory control period, the owner or operator of a gasoline dispensing
 685 operation subject to this Section shall:
 686
 687 A) Retain a copy of an invoice, bill of lading, or other documentation
 688 used in normal business practice stating that the Reid vapor

689 ~~pressure of the gasoline complies with the State Reid vapor~~
690 ~~pressure standard as provided in subsection (h)(1)(A) above; and~~

691
692 B) ~~Maintain records for a period of three years on the Reid vapor~~
693 ~~pressure, quantity received and date of delivery of any gasoline or~~
694 ~~ethanol blends arriving at the gasoline operation.~~
695

696 (Source: Repealed at 36 Ill. Reg. _____, effective _____)
697

698 SUBPART HH: MOTOR VEHICLE REFINISHING
699

700 **Section 219.784 Equipment Specifications**
701

702 Every owner or operator of a motor vehicle refinishing operation, unless the source uses less than
703 20 gallons of coating per calendar year from all motor vehicle refinishing operations combined,
704 shall:

- 705
- 706 a) Coat motor vehicles, mobile equipment, or their parts and components using one
- 707 of the following coating applicators:
- 708
- 709 1) Electrostatic spray equipment calibrated, operated and maintained in
- 710 accordance with the manufacturer's specifications; ~~or~~
- 711
- 712 2) High Volume Low Pressure (HVLP) spray equipment calibrated, operated
- 713 and maintained in accordance with the manufacturer's specifications;
- 714 or
- 715
- 716 3) An equivalent coating applicator technology that is demonstrated by the
- 717 manufacturer to achieve transfer efficiency comparable to the HVLP spray
- 718 equipment technology listed in subsection (a)(2) of this Section for a
- 719 comparable operation, and for which written approval has been obtained
- 720 from USEPA. The owner or operator must maintain documentation of
- 721 USEPA's approval at the motor vehicle refinishing operation; and
722

- 723 b) Clean all coating applicators with a device that:
- 724
- 725 1) Recirculates solvent during the cleaning process;
- 726
- 727 2) Collects spent solvent so it is available for disposal or recycling; and
- 728
- 729 3) Minimizes evaporation of solvents during cleaning, rinsing, draining, and
- 730 storage.
731

(Source: Amended at 36 Ill. Reg. _____, effective _____)

Section 219.792 Registration (Repealed)

- a) ~~Every owner or operator of a motor vehicle refinishing operation shall register with the Agency on or before the date specified in Section 219.791 of this Subpart. The following information shall be included in this registration:~~
 - 1) ~~The name and address of the source, and the name and telephone number of the person responsible for submitting the registration information;~~
 - 2) ~~A description of all coating operations of motor vehicles, mobile equipment, or their parts or components, and all associated surface preparation operations at the source;~~
 - 3) ~~A description of all coating applicators used at the source to comply with Section 219.784(a) of this Subpart, if applicable;~~
 - 4) ~~A description of all cleanup operations at the source, including equipment used to comply with Section 219.784(b) of this Subpart, if applicable;~~
 - 5) ~~A description of all work practices at the source used to comply with Section 219.787 of this Subpart;~~
 - 6) ~~If a source claims to be exempt from the equipment requirements in Section 219.784 of this Subpart because it uses less than 20 gallons of coating per year, the owner's or operator's certification that the annual usage is below this level;~~
 - 7) ~~A written declaration stating whether the source is complying with this Subpart by using coatings that comply with the applicable VOM content limits in Section 219.780 of this Subpart or by control equipment as specified in Section 219.782; and~~
 - 8) ~~A description of any control devices used to comply with Section 219.782 of this Subpart and the date(s) the device was installed and became operational.~~
- b) ~~At least 30 calendar days before changing the method of compliance to or from Sections 219.780 and 219.782, the owner or operator of a motor vehicle refinishing operation shall notify the Agency and certify that the source is in compliance with the applicable requirements for the new method of compliance.~~

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(Source: Repealed at 36 Ill. Reg. _____, effective _____)