

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- ~~219.126 Compliance Plan (Repealed)~~
- ~~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

- ~~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- ~~219.521 — Definitions (Repealed)~~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~~

- ~~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 (Repealed)~~
- ~~219.586 — Gasoline Dispensing Operations — Motor Vehicle Fueling Operations (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~~

~~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 (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)~~

~~SUBPART II: FIBERGLASS BOAT MANUFACTURING MATERIALS~~

Section

- 219.890 — Applicability
- 219.891 — Emission Limitations and Control Requirements
- 219.892 — Testing and Monitoring Requirements
- 219.894 — Recordkeeping and Reporting Requirements

~~SUBPART JJ: MISCELLANEOUS INDUSTRIAL ADHESIVES~~

- ~~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, 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 37 Ill. Reg. 1722, effective January 28, 2013, amended in R13-18 at 38 Ill. Reg. 1061, effective December 23, 2013.

SUBPART A: GENERAL PROVISIONS

Section 219.100 — Introduction

- a) — ~~This Part contains standards and limitations for emissions of organic material and volatile organic material from stationary sources located in~~

~~e) If the VOM is in a mixture made up of only VOM compounds, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 219.112 of this Part) or by the above equation.~~

~~(Source: Amended at 20 Ill. Reg. 14462, effective October 28, 1996)~~

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
 - 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
- 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) "A Guide for Surface Coating Calculation", July 1986, United States Environmental Protection Agency, Washington, D.C., EPA-340/1-86-016.
 - j) "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) "A Guide for Graphic Arts Calculations", August 1988, United States

Environmental Protection Agency, Washington D.C., EPA-340/1-88-003.

- l) "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) "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) "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) "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) "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) "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) "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) "Petroleum Refinery Enforcement Manual", March 1980, United States Environmental Protection Agency, Washington, D.C., EPA-340/1-80-008.
- t) "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) "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) 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).

- w) "Guidelines for Determining Capture Efficiency", January 1995, Office of Air Quality Planning and Standards, United States Environmental Protection Agency, Research Triangle Park NC.
- x) 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.
- y) "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.
- z) 40 CFR 63 subpart PPPP, appendix A (2008).
- aa) 46 CFR subchapter Q (2007).
- bb) 46 CFR subchapter T (2008).

(Source: Amended at 38 Ill. Reg. 1061, effective December 23, 2013)

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~~Section 219.113 — Monitoring for Negligibly Reactive Compounds~~

~~The requirements of 35 Ill. Adm. Code 215.109, which allows the Agency to require testing and monitoring for negligibly reactive compound as a precondition to their exemption from the definition of "volatile organic compound", shall apply to owners and operators of sources subject to this Part.~~

~~(Source: Added at 16 Ill. Reg. 13597, effective August 24, 1992)~~

SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS

~~Section 219.119 — Applicability for VOL~~

~~The limitations of Section 219.120 of this Subpart shall apply to all storage containers of volatile organic liquid (VOL) with a maximum true vapor pressure of 0.5 psia or greater in any stationary tank, reservoir, or other container of 151 cubic meters (40,000 gal) capacity or greater, except to vessels as provided below:~~

~~B) For all the inspections required by subsection (b)(6) above, the owner or operator shall notify the Agency in writing at least 30 days prior to the filling or refilling of each storage vessel to afford the Agency the opportunity to inspect the storage vessel prior to refilling. If the inspection required by subsection (b)(6) above is not planned and the owner or operator could not have known about the inspection 30 days in advance of refilling the tank, the owner or operator shall notify the Agency at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be sent by express mail so that it is received by the Agency at least 7 days prior to the refilling.~~

~~e) The owner or operator of each source that is equipped with a closed vent system and a flare to meet the requirements of Section 219.120(a)(4) of this Subpart shall meet the requirements specified in the general control device requirements of 40 CFR 60.18(e) and (f), incorporated by reference at Section 219.112(d) of this Part.~~

~~(Source: Added at 18 Ill. Reg. 16980, effective November 15, 1994)~~

Section 219.128 Monitoring VOL Operations

- a) Except as provided in subsection (d), 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) 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).
 - 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) of this Part;
 - B) ASTM Method D323-08, incorporated by reference at Section 219.112(a) 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).

(Source: Amended at 37 Ill. Reg. 1722, effective January 28, 2013)

~~Section 219.129 — Recordkeeping and Reporting for VOL Operations~~

~~The owner or operator of each storage vessel specified in Section 219.120(a) of this Subpart shall maintain records and furnish reports as required by subsection (a), (b), or (c) below as appropriate for the control equipment installed to meet the requirements of Section 219.120. The owner or operator shall keep copies of all reports and records required by this Section, except for the records required by subsection (c)(1) below, for at~~

- ~~b) Sources subject to this Section are not required to submit or obtain an Agency approved compliance plan or project completion schedule under 35 Ill. Adm. Code 201, Subpart H.~~

SUBPART Y: GASOLINE DISTRIBUTION

Section 219.581 Bulk Gasoline Plants

- ~~a) Subject to subsection (e) of this Section, no person may cause or allow the transfer of gasoline from a delivery vessel into a stationary storage tank located at a bulk gasoline plant unless:~~
- ~~1) The delivery vessel and the stationary storage tank are each equipped with a vapor collection system that meets the requirements of subsection (d)(4) of this Section;~~
 - ~~2) Each vapor collection system is operating;~~
 - ~~3) The delivery vessel displays the appropriate sticker pursuant to the requirements of Sections 219.584 (b) or (d) of this Part;~~
 - ~~4) The pressure relief valve(s) on the stationary storage tank and the delivery vessel are set to release at no less than 0.7 psi or the highest pressure allowed by state or local fire codes or the guidelines of the National Fire Prevention Association; and~~
 - ~~5) The stationary storage tank is equipped with a submerged loading pipe.~~
- ~~b) Subject to subsection (f) of this Section, no person may cause or allow the transfer of gasoline from a stationary storage tank located at a bulk gasoline plant into a delivery vessel unless:~~
- ~~1) The requirements set forth in subsections (a)(1) through (a)(4) of this Section are met; and~~
 - ~~2) Equipment is available at the bulk gasoline plant to provide for the submerged filling of the delivery vessel or the delivery vessel is equipped for bottom loading.~~
- ~~c) Subject to subsection (e) of this Section, each owner of a stationary storage tank located at a bulk gasoline plant shall:~~

~~B) — A vacuum drop of no more than three inches of water in five minutes.~~

~~b) — Any delivery vessel meeting the requirements of subsection (a) of this Section shall have a sticker affixed to the tank adjacent to the tank manufacturer's data plate which contains the tester's name, the tank identification number and the date of the test. The sticker shall be in a form prescribed by the Agency, and, for those delivery vessels subject to 35 Ill. Adm. Code 215 as of December 31, 1987 shall have been displayed no later than December 31, 1987.~~

~~c) — The owner or operator of a delivery vessel shall:~~

~~1) — Maintain copies of any test required under subsection (a)(6) of this Section for a period of 3 years;~~

~~2) — Provide copies of these tests to the Agency upon request; and~~

~~3) — Provide annual test result certification to bulk gasoline plants and terminals where the delivery vessel is loaded.~~

~~d) — Any delivery vessel which has undergone and passed a test in another state which has a USEPA approved leak testing and certification program will satisfy the requirements of subsection (a) of this Section. Delivery vessels must display a sticker, decal or stencil approved by the state where tested or comply with the requirements of subsection (b) of this Section. All such stickers, decals or stencils shall have been displayed no later than December 31, 1987, for delivery vessels subject to 35 Ill. Adm. Code 215 as of December 31, 1987.~~

~~(Source: Amended at 17 Ill. Reg. 16918, effective September 27, 1993)~~

~~Section 219.585 Gasoline Volatility Standards (Repealed)~~

~~(Source: Repealed at 37 Ill. Reg. 1722, effective January 28, 2013)~~

~~Section 219.586 Gasoline Dispensing Operations Motor Vehicle Fueling Operations (Repealed)~~

~~(Source: Repealed at 18 Ill. Reg. 4242, effective March 3, 1994)~~

SUBPART Z: DRY CLEANERS

- e) ~~All records required by subsections (a), (b), (c), and (d) of this Section shall be maintained for at least three years and shall be made available to the Agency upon request.~~

~~(Source: Added at 18 Ill. Reg. 16415, effective October 25, 1994)~~

SUBPART HH: MOTOR VEHICLE REFINISHING

Section 219.780 ~~Emission Limitations~~

- a) ~~Except as provided in Section 219.782 of this Subpart, no owner or operator of a motor vehicle refinishing operation shall coat motor vehicles, mobile equipment, or their parts and components, unless all coatings, except touch-up coatings, never exceed the VOM content limitations in this Section, expressed as units of VOM per volume of coating applied at each coating applicator, minus water and any compounds that are specifically exempted from the definition of VOM. The VOM content limitations are as follows:~~

	kg/l	(lb/gal)
1) Pretreatment wash primer	0.78	(6.5)
2) Precoat	0.66	(5.5)
3) Primer/primer surfacer coating	0.58	(4.8)
4) Primer sealer	0.55	(4.6)
5) Topcoat system or basecoat/clearcoat	0.60	(5.0)
6) Three or four stage topcoat system	0.63	(5.2)
7) Specialty coatings	0.84	(7.0)
8) Anti glare/safety coating	0.84	(7.0)

- b) ~~All coating shall be used according to manufacturer's specifications. If a coating requires the addition of a reducer, hardener, or other additive, in some combination, this addition must not cause the coating, as applied, to exceed the applicable VOM content limitation.~~

~~specifically exempted from the definition of VOM), of any given basecoat;~~

~~VOM_{me1} = ————— The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of the first midcoat;~~

~~VOM_{me2} = ————— The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of the second midcoat; and~~

~~VOM_{ee} = ————— The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of any given clearcoat.~~

~~(Source: Added at 19 Ill. Reg. 6958, effective May 9, 1995)~~

~~Section 219.782 — Alternative Control Requirements~~

~~As an alternative to complying with the VOM content limitations in Section 219.780 of this Subpart, the owner or operator of a motor vehicle refinishing operation may operate control equipment that reduces VOM emissions at the source by at least 90 percent as provided in either subsection (a) or (b) of this Section.~~

- ~~a) — An owner or operator may operate an afterburner or carbon adsorber; or~~
- ~~b) — An owner or operator may use an equivalent alternative control plan, other than an afterburner or carbon adsorber, if approved by the Agency and USEPA through federally enforceable permit conditions.~~

~~(Source: Added at 19 Ill. Reg. 6958, effective May 9, 1995)~~

~~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;
 - 2) High Volume Low Pressure (HVLP) spray equipment calibrated, operated and maintained in accordance with the manufacturer's specifications; or
 - 3) An equivalent coating applicator technology that is demonstrated by the manufacturer to achieve transfer efficiency comparable to the HVLP spray equipment technology listed in subsection (a)(2) of this Section for a comparable operation, and for which written approval has been obtained from USEPA. The owner or operator must maintain documentation of 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 37 Ill. Reg. 1722, effective January 28, 2013)

~~Section 219.786 Surface Preparation Materials~~

~~Every owner or operator of a motor vehicle refinishing operation only shall use surface preparation materials that never exceed the following VOM content limitations for the specified substrate:~~

	kg/l	(lb/gal)
a) Plastic parts	0.78	(6.5)
b) Other substrates	0.17	(1.4)

~~(Source: Added at 19 Ill. Reg. 6958, effective May 9, 1995)~~

~~Section 219.787 Work Practices~~

- a) ~~Every owner or operator of a motor vehicle refinishing operation shall ensure that fresh and spent solvent, cloth or paper used to apply solvents for surface preparation or cleanup, waste paint, and sludge are stored in closed containers.~~
- b) ~~Every owner or operator of a motor vehicle refinishing operation that is exempt from the equipment specifications in Section 219.784 of this Subpart because it uses less than 20 gallons of coating per year shall direct solvent used to clean coating applicator equipment and paint lines into a container for proper disposal or recycling.~~

~~(Source: Added at 19 Ill. Reg. 6958, effective May 9, 1995)~~

~~Section 219.788 — Testing~~

- a) ~~Upon request by the Agency, the owner or operator of a motor vehicle refinishing operation shall, at its own expense, conduct tests to demonstrate compliance with Sections 219.780, 219.782 or 219.786 of this Subpart, in accordance with the applicable test methods and procedures specified in Section 219.105 of this Part and shall:
 - 1) ~~Notify the Agency 30 days prior to conducting such tests; and~~
 - 2) ~~Submit all test results to the Agency within 45 days after conducting the requisite tests.~~~~
- b) ~~For purposes of this Section, surface preparation materials shall be treated as coatings.~~
- e) ~~Nothing in this Section shall limit the authority of USEPA pursuant to the Clean Air Act, as amended, to require testing, or shall affect the authority of USEPA under Section 114 of the Clean Air Act (42 U.S.C. 7414 (1990)).~~

~~(Source: Added at 19 Ill. Reg. 6958, effective May 9, 1995)~~

~~Section 219.789 — Monitoring and Recordkeeping for Control Devices~~

- a) ~~Every owner or operator of a motor vehicle refinishing operation that complies with this Subpart pursuant to Section 219.782 of this Subpart shall:
 - 1) ~~Install and operate equipment to continuously monitor each control device as specified in Section 219.105(d)(2)(A) of this Part;~~~~

- ~~2) — Keep records of parameters for control devices as monitored pursuant to subsection (a)(1) of this Section;~~
- ~~3) — Keep logs of operating time of the control device and monitoring equipment;~~
- ~~4) — Keep logs of maintenance of the control device and monitoring equipment; and~~
- ~~5) — Maintain all records required in this Section for the most recent consecutive three year period and make all such records available to the Agency immediately upon request.~~

~~b) — An owner or operator may monitor with an alternative method or monitor other parameters than specified in subsection (a)(1) of this Section, if approved by the Agency and USEPA through federally enforceable permit conditions.~~

~~(Source: Added at 19 Ill. Reg. 6958, effective May 9, 1995)~~

~~Section 219.790 — General Recordkeeping and Reporting (Repealed)~~

~~(Source: Repealed at 30 Ill. Reg. 9799, effective May 15, 2006)~~

~~Section 219.791 — Compliance Date~~

~~Every owner or operator of a motor vehicle refinishing operation shall comply with the requirements of this Subpart by March 15, 1996, upon modification or upon initial startup.~~

~~(Source: Added at 19 Ill. Reg. 6958, effective May 9, 1995)~~

~~Section 219.792 — Registration (Repealed)~~

~~(Source: Repealed at 37 Ill. Reg. 1699, effective January 28, 2013)~~

~~Section 219.875 — Applicability of Subpart BB (Renumbered)~~

~~(Source: Renumbered to Section 219.640 at 17 Ill. Reg. 16918 effective September 27, 1993)~~

~~Section 219.877 — Emissions Limitation at Polystyrene Plants (Renumbered)~~

~~(Source: Renumbered to Section 219.642 at 17 Ill. Reg. 16918 effective September 27, 1993)~~