

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

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ORGANIC MATERIAL EMISSION STANDARDS AND  
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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 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. 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 R10-8 at 34 Ill. Reg. 9096, effective June 25, 2010; amended in R10-20 at 34 Ill. Reg. 14174, effective September 14, 2010; amended in R10-8(A) at 35 Ill. Reg. 469, effective December 21, 2010; amended in R11-23 at 35 Ill. Reg. 13473, effective July 27, 2011; amended in R11-23(A) at 35 Ill. Reg. 18813, effective October 25, 2011; amended in R12-24 at 37 Ill. Reg. 1699, effective January 28, 2013, amended in R13-18 at 38 Ill. Reg. 1032, effective December 23, 2013.

## SUBPART A: GENERAL PROVISIONS

### Section 218.100 — Introduction

- a) ~~This Part contains standards and limitations for emissions of organic material and volatile organic material from stationary sources located in the Chicago area, which is comprised of Cook, DuPage, Kane, Lake, McHenry and Will Counties and Aux Sable Township and Goose Lake Township in Grundy County and Oswego Township in Kendall County.~~
- b) ~~Sources subject to this Part may be subject to the following:~~
  - 1) ~~Permits required under 35 Ill. Adm. Code 201 and~~
  - 2) ~~Air quality standards under 35 Ill. Adm. Code 243.~~
- e) ~~This Part is divided into Subparts which are grouped as follows:~~
  - 1) ~~Subpart A: General Provisions;~~
  - 2) ~~Subparts B-F: Emissions from equipment and operations in common to more than one industry;~~
  - 3) ~~Subpart G: Emissions from use of organic material;~~
  - 4) ~~Subparts H-RR: Rules for various industry groups.~~
  - 5) ~~Subpart TT: Rules for emission units not otherwise addressed.~~
  - 6) ~~Subpart UU: Recordkeeping and reporting for equipment and operations addressed by Subparts PP, QQ, RR, and TT.~~

~~(Source: Amended at 17 Ill. Reg. 16636, effective September 27, 1993)~~

- b) ~~If the VOM is in a mixture made up of both VOM compounds and compounds which are not VOM, the vapor pressure shall be determined by the following equation:~~

$$P_{\text{vom}} = \frac{\sum_{i=1}^n P_i X_i}{\sum_{i=1}^n X_i}$$

where:

~~$P_{\text{vom}}$  = Total vapor pressure of the portion of the mixture which is composed of VOM;~~

~~$n$  = Number of VOM components in the mixture;~~

~~$i$  = Subscript denoting an individual component;~~

~~$P_i$  = Vapor pressure of a VOM component determined in accordance with subsection (a) of this Section;~~

~~$X_i$  = Mole fraction of the VOM component of the total organic mixture.~~

- 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 218.112 of this Part) or by the above equation.~~

~~(Source: Amended at 21 Ill. Reg.14428, effective October 28, 1996)~~

#### Section 218.112 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 168-67 (1977)
- 21) ASTM E 169-87
- 22) ASTM E 260-91
- 23) ASTM D 2504-83
- 24) ASTM D 2382-83
- 25) ASTM D 2099-00

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) and 40 CFR 60, appendix A, Method 24 (57 FR 30654, July 10, 1992).
- 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 VOC 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 VOC 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) "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) 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) South Coast Air Quality Management District (SCAQMD), Applied Science & Technology Division, Laboratory Services Branch, SCAQMD Method 309-91, Determination of Static Volatile Emissions (February 1993).
- y) South Coast Air Quality Management District (SCAQMD), Applied Science & Technology Division, Laboratory Services Branch, SCAQMD Method 312-91, Determination of Percent Monomer in Polyester Resins (April 1996).
- z) "Guidelines for Determining Capture Efficiency", January 1995, Office of Air Quality Planning and Standards, United States Environmental Protection Agency, Research Triangle Park NC.
- aa) 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.

- bb) "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.
- cc) 40 CFR 63, subpart PPPP, appendix A (2008).
- dd) 46 CFR subchapter Q (2007).
- ee) 46 CFR subchapter T (2008).
- ff) Petroleum Equipment Institute, "Recommended Practices for Installation and Testing of Vapor-Recovery Systems at Vehicle-Fueling Sites", PEI/RP300-09 (2009).

(Source: Amended at amended in R13-18 at 38 Ill. Reg. 1032, effective December 23, 2013)

~~Section 218.113 — 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. 13564, effective August 24, 1992)~~

~~Section 218.114 — Compliance with Permit Conditions~~

~~No person shall violate any terms or conditions of a permit reflecting the requirements of this Part, operate any source except in compliance with its permit, or violate any other applicable requirements.~~

~~(Source: Added at 18 Ill. Reg. 1945, effective January 24, 1994)~~

SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS

~~Section 218.119 — Applicability for VOL~~

~~The limitations of Section 218.120 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:~~

~~schedule that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.~~

- ~~5) Notify the Agency 30 days in advance of any gas measurements required by subsection (b)(1) above to afford the Agency the opportunity to have an observer present.~~
- ~~6) Visually inspect the external floating roof, the primary seal, secondary seal, and fittings each time the vessel is emptied and degassed.
  - ~~A) If the external floating roof has defects, if the primary seal has holes, tears, or other openings in the seal or the seal fabric, or if the secondary seal has holes, tears, or other openings in the seal or the seal fabric, the owner or operator shall repair the items as necessary so that none of the conditions specified in this subsection exist before filling or refilling the storage vessel with VOL.~~
  - ~~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 filling or refilling of each storage vessel to afford the Agency the opportunity to inspect the storage vessel 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 218.120(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 218.112(d) of this Part.~~

~~(Source: Added at 18 Ill. Reg. 16950, effective November 15, 1994)~~

## Section 218.128 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 D 879-83, incorporated by reference at Section 218.112(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 D 2879-83, incorporated by reference at Section 218.112(a) of this Part;
    - B) ASTM Method D 323-08, incorporated by reference at Section 218.112(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 218.120 of this Subpart is exempt from the requirements of subsections (a) and (b).

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

~~Section 218.129 — Recordkeeping and Reporting for VOL Operations~~

~~The owner or operator of each storage vessel specified in Section 218.120(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 218.120. The~~

~~Section 218.562 — Paving Operations~~

~~The provisions of Sections 218.301 and 218.302 of this Part shall not apply to the application of paving asphalt and pavement marking paint from sunrise to sunset.~~

~~(Source: Amended at 17 Ill. Reg. 16636, effective September 27, 1993)~~

~~Section 218.563 — Cutback Asphalt~~

- ~~a) — No person shall cause or allow the use or application of cutback asphalt for paving, resurfacing, reconditioning, repairing or otherwise maintaining a roadway unless:
  - ~~1) — The use or application of the cutback asphalt commences on or after October 1 of any year and such use or application is completed by April 30 of the following year; or~~
  - ~~2) — The cutback asphalt is a long life stockpile material which remains in stock after April 30 of each year and as such it may be used until depleted for patching potholes and for other similar repair work; or~~
  - ~~3) — The cutback asphalt is to be used solely as an asphalt prime coat.~~~~
- ~~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 218.581 — 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 218.584 (b) or (d) of this Part;~~~~

- A) ~~— A pressure drop of no more than three inches of water in five minutes; and~~
- 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. 16636, effective September 27, 1993)~~

Section 218.585 Gasoline Volatility Standards (Repealed)

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

**~~Section 218.586 Gasoline Dispensing Operations – Motor Vehicle Fueling Operations~~**

- a) ~~— Definitions. For the purposes of this Section, the following definitions apply:~~
  - 1) ~~— Average monthly volume means the amount of motor vehicle fuel dispensed per month from a gasoline dispensing operation based upon a monthly average for the 2-year period of November 1990 through October 1992 or, if not available, the monthly average for the most recent twelve~~

- 2) ~~Owner of the marine vessel tested;~~
  - 3) ~~The identification number of the marine vessel tested;~~
  - 4) ~~Testing location;~~
  - 5) ~~Tester name and signature;~~
  - 6) ~~Witnessing inspector, name, signature, and affiliation; and~~
  - 7) ~~Test results.~~
- e) ~~Owners or operators complying with the requirements of Section 218.762(c)(2) of this Subpart shall maintain records of daily product volumes loaded to demonstrate that the applicable emission reduction specified in Appendix E of this Part has been achieved.~~
  - d) ~~Owners or operators certifying compliance under Section 218.764(e) shall maintain the records specified in subsections (a)(1), (a)(2), and (a)(3) above.~~
  - 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. 16392, effective October 25, 1994)~~

## SUBPART HH: MOTOR VEHICLE REFINISHING

### Section 218.780 — Emission Limitations

- a) ~~Except as provided in Section 218.782 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)

~~(Source: Added at 19 Ill. Reg. 6848, effective May 9, 1995)~~

Section 218.784      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. 1699, effective January 28, 2013)

~~Section 218.786      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)

- ~~1) Install and operate equipment to continuously monitor each control device as specified in Section 218.105 (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. 6848, effective May 9, 1995)~~

#### ~~Section 218.790 General Recordkeeping and Reporting (Repealed)~~

~~(Source: Repealed at 30 Ill. Reg. 9684, effective May 15, 2006)~~

#### ~~Section 218.791 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. 6848, effective May 9, 1995)~~

#### ~~Section 218.792 Registration (Repealed)~~

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

#### ~~Section 218.875 Applicability of Subpart BB (Renumbered)~~

~~(Source: Renumbered to Section 218.640 at 17 Ill. Reg. 16636, effective September 27, 1993)~~