

ILLINOIS POLLUTION CONTROL BOARD
July 22, 1993

IN THE MATTER OF:)
)
REASONABLY AVAILABLE CONTROL)
TECHNOLOGY FOR MAJOR SOURCES)
EMITTING VOLATILE ORGANIC) R93-14
MATERIALS IN THE CHICAGO) (Rulemaking)
OZONE NONATTAINMENT AREA: 25 TONS)
(AMENDMENTS TO 35 ILL.ADM.CODE)
PARTS 211 AND 218))

Proposed Rule. First Notice.

OPINION AND ORDER OF THE BOARD (by J. Theodore Meyer):

On July 22, 1993, the Illinois Environmental Protection Agency (Agency) filed this proposal for rulemaking. The proposal represents one part of Illinois' submittal of a complete state implementation plan (SIP). Pursuant to Section 182(a) of the Clean Air Act, as amended in 1990, Illinois was to adopt and submit its plan by November 15, 1992. The proposal would expand the existing requirement that major sources of volatile organic material (VOM) utilize reasonably available control technology (RACT) to all sources in the Chicago ozone nonattainment area which emit or have a potential to emit 25 tons per year VOM. The proposal seeks to amend 35 Ill.Adm.Code 211 and 218.

This proposal was filed pursuant to Section 28.5 of the Environmental Protection Act (Act). (415 ILCS 5/28.5 (1992).) That section requires the Board to proceed with rulemaking under set time-frames. The Board has no discretion to adjust these time frames under any circumstances. Today the Board acts to send this proposal to first notice under the Illinois Administrative Procedure Act, but without commenting on the merits of the proposal.

The following schedule indicates the deadlines by which the Board must act, as provided in Section 28.5

first notice	on or before July 26, 1993
first hearing	on or before September 6, 1993
second hearing	on or before October 6, 1993
third hearing	on or before October 20, 1993
second notice	
(if third hearing cancelled)	on or before November 19, 1993
(if third hearing held)	on or before December 9, 1993
final adoption and filing	21 days after receipt of JCAR certificate of no objection

The Board notes that the above dates are the deadlines as established by Section 28.5 and do not represent actual hearing

dates or filing dates. While the schedule includes second and third hearings, these hearings may be cancelled if unnecessary. The Board will proceed in this matter as prescribed in Section 28.5 and discussed in the Board's resolution. (See Clean Air Act Rulemaking Procedures Pursuant to Section 28.5 of the Environmental Protection Act, as Added By P.A. 87-1213, (October 29, 1992 and December 3, 1992), RES 92-2.)

The Agency has filed a motion for waiver of requirements with the proposal. The Agency requests waiver of the following requirements: that the Agency submit the original and nine copies of the entire regulatory proposal; that the Agency submit a copy of the proposal to the Attorney General and the Department of Energy and Natural Resources (ENR); and that the Agency submit copies of all documents upon which it relied. The Agency asks that it be permitted to file an original plus five complete copies of the proposal and four partial copies. A partial copy includes the pleadings and the proposed rules, but does not include the supporting exhibits. The Attorney General and ENR have agreed with the Agency that a copy of the proposal need not be served upon them. The Agency had provided the Board with one copy of the majority of the documents on which it relied, and notes that the other documents are readily accessible or already in the Board's possession. The Board grants the Agency's motion.

The Board has slightly modified the caption of this rulemaking to reflect that it applies to sources which have the potential to emit 25 tons per year VOM. The only changes made to the proposal itself, as submitted by the Agency, were corrections to the tables of contents for Parts 211 and 218.

ORDER

The Board directs the Clerk to cause publication of the following amendments in the Illinois Register for first notice:

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

PART 211
 DEFINITIONS AND GENERAL PROVISIONS

SUBPART A: GENERAL PROVISIONS

Section	
211.101	Incorporations by Reference
211.102	Abbreviations and Units

SUBPART B: DEFINITIONS

Section	
211.121	Other Definitions
211.122	Definitions <u>(Repealed)</u>
<u>211.270</u>	<u>Aerosol Can Filling Line</u>
<u>211.1070</u>	<u>Cleaning Materials</u>
<u>211.2030</u>	<u>Enhanced Under-the Cup Fill</u>
<u>211.2610</u>	<u>Gel Coat</u>
<u>211.3950</u>	<u>Monomer</u>
<u>211.4830</u>	<u>Polyester Resin Materials</u>
<u>211.4850</u>	<u>Polyester Resin Products Manufacturing Process</u>
<u>211.4970</u>	<u>Potential to Emit</u>
<u>211.5390</u>	<u>Reclamation System</u>
<u>211.5530</u>	<u>Repair</u>
<u>211.6110</u>	<u>Solvent Recovery System</u>
<u>211.6170</u>	<u>Specialty Leather</u>
<u>211.6250</u>	<u>Stain Coating</u>
<u>211.6630</u>	<u>Through-the-Valve Fill</u>
<u>211.6650</u>	<u>Tooling Resin</u>
<u>211.6710</u>	<u>Touch-Up</u>
<u>211.6830</u>	<u>Under-the-Cup Fill</u>
<u>211.7050</u>	<u>Vapor Suppressed Polyester Resin</u>

Section 211.AppendixPPENDIX A Rule into Section Table

Section 211.AppendixPPENDIX B Section into Rule Table

AUTHORITY: Implementing Sections 9 and 10 and authorized by Section 27 and 28.5 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111 $\frac{1}{2}$, pars. 1009, 1010 and 1027), (P.A. 87-1213, effective September 26, 1992) [415 ILCS 5/9, 10, 27 and 28.5].

SOURCE: Adopted as Chapter 2: Air Pollution, Rule 201: Definitions, R71-23, 4 PCB 191, filed and effective April 14, 1972; amended in R74-2 and R75-5, 32 PCB 295, at 3 Ill. Reg. 5, p. 777, effective February 3, 1979; amended in R78-3 and 4, 35 PCB 75 and 243, at 3 Ill. Reg. 30, p. 124, effective July 28, 1979; amended in R80-5, at 7 Ill. Reg. 1244, effective January 21, 1983; codified at 7 Ill. Reg. 13590; amended in R82-1 (Docket A) at 10 Ill. Reg. 12624, effective July 7, 1986; amended in R85-21(A) at 11 Ill. Reg. 11747, effective June 29, 1987; amended in R86-34 at 11 Ill. Reg. 12267, effective July 10, 1987; amended in R86-39 at 11 Ill. Reg. 20804, effective December 14, 1987; amended in R82-14 and R86-37 at 12 Ill. Reg. 787, effective December 24, 1987; amended in R86-18 at 12 Ill. Reg. 7284, effective April 8, 1988; amended in R86-10 at 12 Ill. Reg. 7621, effective April 11, 1988; amended in R88-23 at 13 Ill. Reg. 10862, effective June 27, 1989; amended in R89-8 at 13 Ill. Reg. 17457, effective January 1, 1990; amended in R89-16(A) at 14 Ill. Reg. 9141, effective May 23, 1990; amended in R88-30(B) at 15 Ill. Reg. 5223, effective March 28, 1991; amended in R88-14 at 15

Ill. Reg. 7901, effective May 14, 1991; amended in R91-10 at 15
 Ill. Reg. 15564, effective October 11, 1991; amended in R91-6 at
 15 Ill. Reg. 15673, effective October 14, 1991; amended in R91-22
 at 16 Ill. Reg. 7656, effective May 1, 1992; amended in R91-24 at
 16 Ill. Reg. 13526, effective August 24, 1992; amended in R93-9
 at 17 Ill. Reg. _____, effective _____; amended in R93-14
 at 17 Ill. Reg. _____, effective _____.

SUBPART B: DEFINITIONS

Section 211.270 Aerosol Can Filling Line

"Aerosol can filling line" means an operation where a series of process steps are used to fill and seal aerosol cans.

(Source: Added at _____ Ill. Reg. _____, effective _____)

Section 211.1070 Cleaning Materials

"Cleaning materials" mean any materials used for cleaning an emission unit; cleaning tools, equipment or other items used with the emission unit; cleaning the walls or area in which the emission unit is located; or cleaning personnel; or materials used for other cleaning activity associated with an emission unit.

(Source: Added at _____ Ill. Reg. _____, effective _____)

Section 211.2030 Enhanced Under-the-Cup Fill

"Enhanced under-the-cup fill" means an improved under-the-cup technique. This improved method forces most propellant which would otherwise remain in the headspace of the fill machine fitting into the aerosol can by using either a compressed non-VOM gas such as nitrogen or vaporization of the propellant itself. Enhanced under-the-cup fill may require adjustment of the fill machine to reduce the hold-down pressure on the cup during the period in the filling cycle when remaining propellant in the fitting is forced into the can.

(Source: Added at _____ Ill. Reg. _____, effective _____)

Section 211.2610 Gel Coat

"Gel coat" means a polyester resin coating, either colored or clear, that provides a cosmetic enhancement and improves resistance to degradation from exposure to the elements.

(Source: Added at _____ Ill. Reg. _____, effective _____)

Section 211.3950 Monomer

"Monomer" means a relatively low-molecular-weight organic compound that may combine with itself or other similar compounds by a cross-linking reaction to become a polymer.

(Source: Added at _____ Ill. Reg. _____, effective _____)

Section 211.4830 Polyester Resin Materials

"Polyester resin materials" mean unsaturated polyester resin, such as isophthalic, orthophthalic, halogenated, bisphenol A, vinyl ester, or furan resins; cross-linking agents; catalysts; gel coats; inhibitors; accelerators; promoters; and any other material containing VOM used in polyester resin operations.

(Source: Added at _____ Ill. Reg. _____, effective _____)

Section 211.4850 Polyester Resin Products Manufacturing Process

"Polyester resin products manufacturing process" means a manufacturing process that fabricates or reworks products for commercial, military or industrial use by hand laying-up, impregnating, injecting, pultruding, forming, winding, spraying, and/or curing by using unsaturated polyester resin materials with fiberglass, fillers, or any other reinforcement materials.

(Source: Added at _____ Ill. Reg. _____, effective _____)

Section 211.4970 Potential to Emit

"Potential to emit (PTE)" means the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restriction on hours of operation or on the type or amount of material combusted, stored, or processed, shall be treated as part of its design if the limitation is enforceable by USEPA.

(Source: Added at _____ Ill. Reg. _____, effective _____)

Section 211.5390 Reclamation System

"Reclamation system" means equipment which reclaims spent solvents, surplus propellants, waste materials and other materials generated by an emission unit to produce solvent, propellant or other materials which may be reused in the emission unit.

(Source: Added at _____ Ill. Reg. _____, effective _____)

Section 211.5530 Repair

"Repair" means, with respect to polyester resin product manufacturing processes, a portion of the fabrication process that requires the addition of polyester resin materials to portions of a previously fabricated product in order to mend damage immediately following normal fabrication operations.

(Source: Added at _____ Ill. Reg. _____, effective _____)

Section 211.6110 Solvent Recovery System

"Solvent recovery system" means equipment which processes spent solvents, surplus propellants and other VOM containing waste materials generated by an emission unit to recover VOM which can be productively used, either in the original unit or for another purpose, reducing the amount of such material which must be disposed of as waste.

(Source: Added at _____ Ill. Reg. _____, effective _____)

Section 211.6170 Specialty Leather

"Specialty leather" means leather in one of the following categories:

- a) "Specialty shoe leather," such as "CHROMEXCEL"™ leather, that is:
 - 1) A select grade of chrome tanned, bark retanned leather;
 - 2) Retanned to over 25% by weight grease, wax and oils by direct contact with such materials in liquefied form at elevated temperature without the presence of water;
 - 3) Finished with coating materials which adhere to the leather surface to provide color and a rich visual luster while allowing a surface that feels oily; and
 - 4) Used primarily for manufacture of shoes.
- b) "Speciality football leather," such as "TANNED IN TACK"™ leather that is:
 - 1) Top grade, chrome tanned, bark retanned, and fat liquored leather;
 - 2) Finished with coating materials which impregnate into the leather to produce a permanent non-slip "tacky" exterior surface on the leather. This "tacky" characteristic continues to exist with wear; and
 - 3) Used primarily for the manufacture of footballs.

(Source: Added at _____ Ill. Reg. _____, effective _____)

Section 211.6250 Stain Coating

"Stain coating" means a non-protective coating containing dye or pigment which is applied to a substrate to impart color without obscuring the grain of the substrate, i.e., the appearance and texture of the surface of the substrate due to its physical structure, or for a transparent substrate, without blocking the passage of light through the substrate.

(Source: Added at _____ Ill. Reg. _____, effective _____)

Section 211.6630 Through-the-Valve Fill

"Through-the-valve fill" means, with respect to filling of aerosol cans with propellant, a method of filling cans by injecting propellant into the can through and around the outlet tube of the can and aerosol valve. Through-the-valve fill is a different method of fill than under-the-cup fill.

(Source: Added at _____ Ill. Reg. _____, effective _____)

Section 211.6650 Tooling Resin

"Tooling resin" means resins used to fabricate molds and fixtures used in manufacturing of fiberglass products.

(Source: Added at _____ Ill. Reg. _____, effective _____)

Section 211.6710 Touch-Up

"Touch-up" means, with respect to polyester resin product manufacturing processes, a portion of the fabrication process that is necessary to cover minor imperfections.

(Source: Added at _____ Ill. Reg. _____, effective _____)

Section 211.6830 Under-the-Cup Fill

"Under-the-cup fill" means, with respect to filling of aerosol cans with propellant, a method of filling cans whereby the propellant is introduced through the junction between the annular top of the can and the metal cup which holds the outlet tube and aerosol valve. Under-the-cup fill is a different method of fill than through-the-valve fill.

(Source: Added at _____ Ill. Reg. _____, effective _____)

Section 211.7050 Vapor Suppressed Polyester Resin

"Vapor suppressed polyester resin" means a polyester resin

material which contains catalysts or additives designed to reduce monomer evaporation loss during application and curing.

(Source: Added at _____ Ill. Reg. _____, effective _____)

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

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

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 (TRE) Equation

AUTHORITY: Implementing Sections 9.1 and 10 and authorized by
 Section 28.5 of the Environmental Protection Act (Ill. Rev. Stat.
 1991, ch. 111½, par. 1009.1, 1010, and 1028.5) (P.A. 87-1213,
 effective September 26, 1992) [415 ILCS 5/9.1, 10 and 28.5].

SOURCE: Adopted at R91-7 at 15 Ill. Reg. 12231, effective August
 16, 1991; amended in R91-24 at 16 Ill. Reg. 13564, effective
 August 24, 1992; amended in R91-28 and R91-30 at 16 Ill. Reg.
 13864, effective August 24, 1992; amended in R93-9 at 17 Ill.
 Reg. _____, effective _____; amended in R93-14 at
 17 Ill. Reg. _____, effective _____.

SUBPART A: GENERAL PROVISIONS

Section 218.106 Compliance Dates

- a) Except as provided in Section 218.106 (c) below or as otherwise provided in a specific Subpart of this Part, compliance with the requirements of all rules is required by July 1, 1991, or September 1, 1991, for all sources located in Cook, DuPage, Kane, Lake, McHenry or Will Counties, consistent with the appropriate provisions of Section 218.103 of this Part.
- b) Except as provided in Section 218.106 (c) below or as otherwise provided in a specific Subpart of this Part, compliance with the requirements of this Part is required by November 15, 1993, for all sources located in Aux Sable Township or Goose Lake Township in Grundy County or in Oswego Township in Kendall County.
- c) All emission units which meet the applicability requirements of 218.402(a)(2), 218.611(b), 218.620(b), 218.660(a), 218.680(a), 218.920(b), 218.940(b), 218.960(b) or 218.980(b) of this Part, including emission units at sources which are excluded from the applicability criteria of Section 218.402(a)(1), 218.611(a), 218.620(a), 218.920(a), 218.940(a), 218.960(a), or 218.980(a) of this Part by virtue of permit conditions or other enforceable means, must comply with the requirements of Subpart H, Z, AA, CC, DD, PP, QQ, RR or TT of this Part, respectively, by March 15, 1995. Any owner or operator of an emission unit which has already met the applicability requirements of Sections 218.402(a)(1), 218.611(a), 218.620(a), 218.920(a), 218.940(a), 218.960(a), 218.980(a) of this Part on or by the effective date of this subsection is required to comply with all compliance dates or schedules found in Section 218.106(a) or 218.106(b) above, as applicable.

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

Section 218.108 Exemptions, Variations, and Alternative Means of Control or Compliance Determinations

Notwithstanding the provisions of any other Sections of this Part:

- a) Any exemptions, ~~from variations~~ or alternatives to the control requirements, ~~or emission limitations, or test methods~~ set forth in this Part shall be effective only when approved by the Agency and approved by the USEPA as a SIP revision.
- b) Any equivalent variations to control plans or equivalent variations or alterations to test methods set forth in

this Part shall be effective when approved by the Agency and USEPA in a federally enforceable permit or as a SIP revision.

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

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, 1916 Race Street, Philadelphia, PA 19103:
- 1) ASTM D2879-86
 - 2) ASTM D323-82
 - 3) ASTM D86-82
 - 4) ASTM D-369-69 (1971)
 - 5) ASTM D-396-69
 - 6) ASTM D2880-71
 - 7) ASTM D-975-68
 - 8) ASTM D3925-81 (1985)
 - 9) ASTM E300-86
 - 10) ASTM D1475-85
 - 11) ASTM D2369-87
 - 12) ASTM D3792-86
 - 13) ASTM D4017-81 (1987)
 - 14) ASTM D4457-85
 - 15) ASTM D2697-86
 - 16) ASTM D3980-87
 - 17) ASTM E180-85
 - 18) ASTM D2372-85
 - 19) ASTM D97-66
 - 20) ASTM E-168-67 (1977)
 - 21) ASTM E-169-87
 - 22) ASTM E-260-91
 - 23) ASTM D2504-83
 - 24) ASTM D2382-83
 - 25) ASTM D323-82 (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 Part 60 (July 1, ~~1990~~1991) and 40 CFR 60, Appendix A, Method 24 (57 FR 30654, July 10, 1992).
- e) 40 CFR Part 61 (July 1, ~~1990~~1991).

- f) 40 CFR Part 50 (July 1, ~~1989~~1991).
- g) 40 CFR Part 51 (July 1, ~~1989~~1991).
- h) 40 CFR Part 52 (July 1, ~~1989~~1991).
- i) 40 CFR Part 80 (July 1, 1991).
- ±)j) "A Guide for Surface Coating Calculation", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-86-016.
- ±)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.
- *)l) "A Guide for Graphic Arts Calculations", August 1988, United States Environmental Protection Agency, Washington D.C., EPA-340/1-88-003.
- ±)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.
- ±)n) "Control of Volatile Organic Emissions from Manufacturing of Synthesized Pharmaceutical Products", United States Environmental Protection Agency, Washington, D.C., EPA-450/2-78-029.
- ±)o) "Control of Volatile Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems", Appendix B, United States Environmental Protection Agency, Washington, D.C., EPA-450/2-78-051.
- e)p) "Control of Volatile Organic Compound Emissions from Large Petroleum Dry Cleaners", United States Environmental Protection Agency, Washington, D.C., EPA-450/3-82-009.
- q) "APTI Course SI417 Controlling Volatile Organic Compound Emissions from Leaking Process Equipment", United States Environmental Protection Agency, Washington, D.C., EPA-450/2-82-015.
- r) "Portable Instrument User's Manual for Monitoring VOC Sources", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-86-015.

- s) "Protocols for Generating Unit-Specific Emission Estimates for Equipment Leaks of VOC and VHAP", United States Environmental Protection Agency, Washington, D.C., EPA-450/3-88-010.
- t) "Petroleum Refinery Enforcement Manual", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-80-008.
- u) "Inspection Manual for Control of Volatile Organic Emissions from Gasoline Marketing Operations: Appendix D", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-80-012.
- v) "Control of Hydrocarbons from Tank Truck Gasoline Loading Terminals: Appendix A", United States Environmental Protection Agency, Washington, D.C., EPA-450/2-77-026.
- w) "Technical Guidance-Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities", United States Environmental Protection Agency, Washington, D.C., EPA-450/3-91-022b.
- x) California Air Resources Board, Compliance Division. Compliance Assistance Program: Gasoline Marketing and Distribution: Gasoline Facilities Phase I & II (October 1988, rev. March 1991) (CARB Manual).
- y) South Coast Air Quality Management District (SCAQMD), Applied Science & Technology Division, Laboratory Services Branch, SCAQMD Method 309-91, Determination of Static Volatile Emissions.
- z) 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.

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

Section 218.113 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 ___ Ill. Reg. _____, effective _____)

SUBPART H: PRINTING AND PUBLISHING

Section 218.402 Applicability

- a) The limitations of Section 218.401 of this Part apply to all flexographic and rotogravure printing lines at a subject facility~~source~~. All facilities~~Sources~~ with flexographic and/or rotogravure printing lines are subject facilities~~sources~~ unless~~if~~:
- 1) Total maximum theoretical emissions of VOM from all flexographic and rotogravure printing line(s) (including solvents used for cleanup operations associated with flexographic and rotogravure printing line(s)) at the facility~~source~~ ~~never~~~~ever~~ exceed 90.7 Mg (100 tons) per calendar year ~~before the application of capture systems and control devices, or~~ and the flexographic and rotogravure printing line(s) (including solvents used for cleanup operations associated with flexographic and rotogravure printing line(s)) at the source are not limited to less than 90.7 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment through production or capacity limitations contained in a federally enforceable permit or a SIP revision;
or
 - 2) ~~A federally enforceable construction permit or SIP revision for all flexographic and rotogravure printing line(s) at a facility requires the owner or operator to limit production or capacity of these printing line(s) to reduce total VOM emissions from all flexographic and rotogravure printing line(s) to 90.7 Mg (100 tons) or less per calendar year before the application of capture systems and control devices. The flexographic and rotogravure printing line(s) (including solvents used for cleanup operations associated with flexographic and rotogravure printing line(s)) at the source have a potential to emit 22.7 Mg (25 tons) or more of VOM per year.~~
- b) Upon achieving compliance with this Subpart, the ~~emission source~~ is flexographic and rotogravure printing lines are not required to meet Subpart G (Section 218.301 or ~~215~~218.3802 of this Part). ~~Emission sources~~ Flexographic and rotogravure printing lines exempt from this Subpart are subject to Subpart G (Section 218.301 or ~~215~~218.3802 of this Part). Rotogravure or flexographic equipment used for both roll printing and paper coating is subject to this Subpart.
- c) Once subject to the limitations of Section 218.401, a flexographic or rotogravure printing line is always subject to the limitations of Section 218.401 of this Part.

- d) Any owner or operator of any flexographic or rotogravure printing line that is exempt from the limitations of Section 218.401 of this Part because of the criteria in this Section is subject to the recordkeeping and reporting requirements specified in Section 218.404(b) of this Part.

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

SUBPART Z: DRY CLEANERS

Section 218.602 ~~Exemptions~~Applicability

The provisions of Section 218.601 of this Part are not applicable to perchloroethylene dry cleaning operations which are coin-operated or to dry cleaning ~~facilities~~operation consuming less than 30 gal per month (360 gal per year) of perchloroethylene.

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

Section 218.611 ~~Exemption~~Applicability for Petroleum Solvent Dry Cleaners

The provisions of Sections 218.607 through 218.610 of this Part shall not apply to petroleum solvent dry cleaning ~~facilities~~ sources that: whose emissions of VOM do not exceed 91 megagrams (100 tons) per year in the absence of pollution control equipment or whose emissions of VOM, as limited by the operating permit, will not exceed 91 megagrams (100 tons) per year in the absence of pollution control equipment.

- a) Have maximum theoretical emissions of 90.7 Mg (100 tons) or more per calendar year of VOM, and are not limited to less than 90.7 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment through production or capacity limitations contained in a federally enforceable permit or a SIP revision; or
- b) Have a potential to emit 22.7 Mg (25 tons) or more of VOM per year.

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

SUBPART AA: PAINT AND INK MANUFACTURING

Section 218.620 Applicability

- a) This subpart shall apply to all paint and ink manufacturing ~~plants~~sources which:
- 1) Include process emission ~~sources~~units not subject to Subpart B, E, F (excluding Section 218.204(1) of this

Part), H (excluding Section 218.405 of this Part), Q, R, S, T (excluding Section 218.486 of this Part), V, X, Y, Z or BB of this Part; and which as a group both:

- A) Hhave maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM, and
- B) Aare not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable ~~construction~~ permit or a SIP revision, or

- 2) Produce more than 7,570,820 l (2,000,000 gal) per calendar year of paint or ink formulations, which contain less than 10 percent (by weight) water, and ink formulations not containing as the primary solvents water, Magie oil or glycol.

b) This Subpart shall also apply to all paint and ink manufacturing sources which:

- 1) Have the potential to emit 22.7 Mg (25 tons) or more of VOM per year, in aggregate, from process emission units that:
 - A) Are not regulated by Subpart B, E, F, H, Q, R, S, T (excluding Section 218.486), V, X, Y, Z, or BB of this Part, or
 - B) Are not included in any of the following categories: synthetic organic chemical manufacturing industry (SOCMI) distillation, SOCMI reactors, wood furniture, plastic parts coating (business machines), plastic parts coating (other), offset lithography, industrial wastewater, autobody refinishing, SOCMI batch processing, volatile organic liquid storage tanks and clean-up solvents operations, or
- 2) Produce more than 1,892,705 l (500,000 gal) per calendar year of paint or ink formulations which contain less than 10 percent (by weight) water, and ink formulations not containing as the primary solvents water, Magie oil or glycol.

bc) For the purposes of this Subpart, ~~uncontrolled~~ VOM emissions in the absence of air pollution control equipment are the emissions of VOM which would result if no air pollution control equipment were used.

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

Section 218.623 Permit Conditions (Repealed)

~~No person shall violate any condition in a permit when the condition results in exclusion of the plant or an emission source from this Subpart.~~

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

SUBPART CC: POLYESTER RESIN PRODUCT MANUFACTURING PROCESS

Section 218.660 Applicability

a) Potential to emit:

1) A source is subject to this Subpart if it is not subject to the requirements of Subparts PP, OO, RR and TT and has the potential to emit 22.7 Mg (25 tons) or more of VOM per year, in aggregate, from emission units that are:

A) Not regulated by Subpart B, E, F, H, O, R, S, T (excluding Section 218.486), V, X, Y, Z or BB of this Subpart or

B) Not included in any of the following categories: synthetic organic chemical manufacturing industry (SOCMI) distillation, SOCMI reactors, wood furniture, plastic parts coating (business machines), plastic parts coating (other), offset lithography, industrial wastewater, autobody refinishing, SOCMI batch processing, volatile organic liquid storage tanks and clean-up solvent operations.

2) If a source is subject to this Subpart as provided above, the requirements of this Subpart shall apply to a source's polyester resin products manufacturing process emission units which are not regulated by Subpart B, E, F, H, O, R, S, T, V, X, Y, Z, AA, BB, or DD of this Subpart.

b) If a source ceases to fulfill the criteria of subsection (a) above, the requirements of this Subpart shall continue to apply to a polyester resin products manufacturing process emissions unit which was ever subject to the control requirements of Section 218.666 of this Part.

c) For the purposes of this Subpart, an emission unit shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission unit is

considered not regulated by a Subpart if it is not subject to the limits of that Subpart, e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart are not met.

(Source: Added at ____ Ill. Reg. ____, effective _____)

Section 218.666 Control Requirements

- a) Every owner or operator of a polyester resin products manufacturing process subject to this Subpart shall comply with the operating requirements below:
- 1) Any of the following:
 - A) Use polyester resin material with a monomer content of no more than 35% by weight as applied determined on a daily basis;
 - B) Use a closed-mold system or pultrusion system which will result in less than 4 percent weight loss of polyester resin materials;
 - C) Use vapor suppressed polyester resin approved by the Agency in the source's permit such that weight loss from VOM emissions does not exceed 60 grams per square meter of exposed surface area during resin polymerization; or
 - D) Use any materials or processes that are demonstrated to the satisfaction of the Agency to achieve VOM emission levels equivalent to any of the above. This alternative must be approved by the Agency and the USEPA in a federally enforceable permit or as a SIP revision.
 - 2) For spraying operations, in addition to the requirements specified in Section 218.666(a)(1) above, use only high-volume low pressure (HVLP), airless, air-assisted airless, or electrostatic spray equipment, except for touch up and repair using a hand-held, air-atomized spray gun which has a container for polyester resin material as part of the gun.
- b) Any owner or operator of a polyester resin products manufacturing process shall use closed containers for all polyester resin materials, cleaning materials which contain VOM including waste cleaning materials, and other materials that contain VOM including waste resin materials

in such a manner as to effectively control VOM emissions to the atmosphere and in accordance with the practices described in the certification pursuant to Section 218.670(b)(2)(A).

- c) Any owner or operator of polyester resin products manufacturing processes which as a group use more than 4 gallons per day of cleaning materials which contain more than 200 grams of VOM per liter (1.7 pound per gallon) shall use a solvent recovery system for such materials. Solvent recovery may be done at the source or by using an off-site commercial solvent recovery service. The waste residue from a solvent recovery system located at the source shall not contain more than 20% VOM by weight.
- d) Subsection (a) above shall not apply to:
- 1) The use of gel coat; and
 - 2) The use of tooling resin, provided that the total VOM emissions from all tooling resin used at the source do not exceed 2.0 tons per year in any 12-month period.

(Source: Added at ___ Ill. Reg. _____, effective _____)

Section 218.667 Compliance Schedule

Every owner or operator of an emission unit subject to the control requirements of this Subpart shall comply with the requirements thereof on and after the date consistent with Section 218.106 of this Part.

(Source: Added at ___ Ill. Reg. _____, effective _____)

Section 218.668 Testing

- a) 1) The VOM content of fresh cleaning materials in a solvent recovery system shall be determined from supplier data or by sampling and analysis using EPA Reference Method 24, incorporated by reference in Section 218.112 of this Part.
- 2) The VOM content of waste residue from a solvent recovery system shall be determined by sampling and analysis using EPA Reference Method 24, incorporated by reference in Section 218.112 of this Part.
- 3) The monomer content of polyester resin materials shall be determined:
- A) From supplier data and operating data;

- B) By sampling and analysis by the methods set forth in SCAQMD Method 312-91, incorporated by reference in Section 218.112 of this Part; or
 - C) By site-specific sampling and analysis methods approved by the Agency and USEPA in a federally enforceable permit.
- 4) The weight loss from polyester resin material in a closed-mold system or pultrusion system during polymerization shall be determined:
- A) From supplier data and operating data;
 - B) By testing of VOM emissions by the methods set forth in Section 218.105; or
 - C) By site-specific sampling and analysis methods approved by the Agency and USEPA in a federally enforceable permit.
- 5) The weight loss from a vapor suppressed polyester resin material during polymerization shall be determined:
- A) From supplier data and operating data;
 - B) By sampling and analysis by the methods set forth in SCAQMD Method 309-91, incorporated by reference in Section 218.112; or
 - C) By site-specific sampling and analysis methods approved by the Agency and USEPA in a federally enforceable permit.
- 6) In the event of a difference between data obtained by sampling and analysis and other data, the data from sampling and analysis shall govern.
- b) When in the opinion of the Agency it is necessary to conduct sampling and analysis to demonstrate compliance with Section 218.668 of this Part, the owner or operator of a polyester resin products manufacturing process subject to the requirements of this Subpart shall, at his own expense, conduct such sampling and analysis in accordance with the applicable test methods and procedures specified in subsection (a) above.
- c) Nothing in this Section shall limit the authority of USEPA pursuant to the Clean Air Act, as amended, to require sampling and analysis.

(Source: Added at ___ Ill. Reg. ____, effective _____)

Section 218.670 Recordkeeping and Reporting for Exempt Emissions Units

Upon request by the Agency, the owner or operator of a polyester resin manufacturing process which is exempt from the requirements of Subpart CC of this Part shall submit to the Agency records that document that the polyester resin product manufacturing process is exempt from those requirements. These records shall be submitted within 30 calendar days from the date of the request.

Source: Added at ___ Ill. Reg. ____, effective _____)

Section 218.672 Recordkeeping and Reporting for Subject Emission Units

- a) Any owner or operator of a polyester resin products manufacturing process which is subject to the requirements of Subpart CC of this Part shall comply with the following:
- 1) By a date consistent with Section 218.106 of this Part, or upon initial start-up of a process subject to Subpart CC of this Part, the owner or operator of the subject process shall certify to the Agency that the process will be in compliance with Section 218.666(a) of this Part on and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date. Such certification shall include:
 - A) The name and identification number of each polyester resin products manufacturing process at the source;
 - B) The name and identification number of each polyester resin material used in these processes and the means by which it may be applied;
 - C) The particular operating requirement with which each polyester resin material will comply, the actual monomer content of the material (percent by weight) and other relevant data to show compliance with the operating requirement including:
 - i) For each polyester resin material which is applied in a closed-mold or pultrusion system so as to comply with Section 218.666(a)(1)(B) of this Part, the weight loss from the polyester resin material (percent by weight) during molding;

- ii) For each polyester resin material which is vapor suppressed so as to comply with Section 218.666(a)(1)(C) of this Part, the type and content (percent by weight) of catalyst in the material, the maximum process temperature for resin application, the maximum gel time and the weight loss (grams per square meter exposed surface) during resin polymerization; and
- iii) For each polyester resin material which is approved by the Agency and the USEPA in a federally enforceable permit or as a SIP revision so as to comply with Section 218.666(a)(1)(D) of this Part, information showing the VOM emissions level which is achieved and the VOM emissions which would result from compliance with Section 218.666(a)(1)(A), (B) or (C).
- D) The monomer content and usage of tooling resins and the VOM emissions from tooling resins if tooling resins are used at the source and will not comply with operating requirements of Section 218.666(a) of this Part pursuant to Section 218.666(d)(2) of this Part;
- E) The means by which the monomer content of polyester resin materials and the information in subsections (a)(1)(C)(i), (ii) and (iii) and (a)(1)(D) above were determined, including data, calculations, and descriptions and results of the sampling and analysis that the owner or operator has relied upon to show compliance with Sections 218.666(a)(1) and (d)(2) of this Part;
- F) For spraying operations, the equipment for spraying polyester resin materials and the equipment for touch up and repair;
- G) The method by which the owner or operator will create and maintain records required in subsections (b)(2) and (b)(3) below; and
- H) An example of the format in which the records required in subsections (b)(2) and (b)(3) below will be kept.
- 2) On and after a date consistent with Section 218.106 of

this Part or on and after initial start-up date, the owner or operator of a subject process shall collect and record the following information to maintain a complete record of all polyester resin materials which are used by such polyester resin products manufacturing process. This information shall be maintained at the source for a period of three years.

- A) The name and identification number of each polyester resin material used in the process;
- B) The particular operating requirement with which each polyester resin material will comply, the actual monomer content of the material (percent by weight) and other relevant data to show compliance with the operating requirement including:
- i) For each polyester resin material which is applied in a closed-mold or pultrusion system so as to comply with Section 218.666(a)(1)(B) of this Part, the weight loss from the polyester resin material (percent by weight) during molding;
 - ii) For each polyester resin material which is vapor suppressed so as to comply with Section 218.666(a)(1)(C) of this Part, the type and content (percent by weight) of catalyst in the material, the maximum process temperature for resin application, the maximum gel time and the weight loss (grams per square meter exposed surface) during resin polymerization; and
 - iii) For each polyester resin material which is approved by the Agency and the USEPA in a federally enforceable permit or as a SIP revision so as to comply with Section 218.666(a)(1)(D) of this Part, information showing the VOM emission level which is achieved and the VOM emissions which would result from compliance with Section 218.666(a)(1)(A), (B), or (C).
- C) The means by which the monomer content of polyester resin materials and the information in subsections (a)(1)(C)(i), (ii) and (iii) and (a)(1)(D) above were determined, including data, calculations, and descriptions and results of the

sampling and analysis that the owner or operator has relied upon to show compliance with Section 218.666(a)(1) of this Part;

D) The processes and applications for which each polyester resin material may be used in compliance with applicable operating requirements including:

i) For each polyester resin material which is applied in a closed-mold or pultrusion system so as to comply with Section 218.666(a)(1)(B) of this Part, the required process temperature and minimum mold cycle time or maximum pultrusion speed;

ii) For each polyester resin material which is vapor suppressed so as to comply with Section 218.666(a)(1)(C) of this Part, the required thickness of the manufactured product, the type and amount of catalyst in the resin, and the maximum process temperature and maximum gel time; and

iii) For each polyester resin material which is approved by the Agency and approved by the USEPA as a SIP revision so as to comply with Section 218.666(a)(1)(D) of this Part, the required process operating conditions or product specifications;

E) For each polyester resin material which is applied in a spraying operation, the type of spray equipment with which the material will be applied so as to comply with Section 218.666(a)(2) of this Part.

3) On and after the date consistent with Section 218.106 of this Part, or on and after the initial start-up date, the owner or operator of a subject process shall collect and record all of the following information each day for each process and maintain the information at the source for a period of three years:

A) The name, identification number and amount of each polyester resin material applied on each process;

and

B) The specific data identified pursuant to Section 218.672(a)(2)(D) of this Part to confirm that the polyester resin material was applied in such a manner that it complied with the applicable operating requirement;

4) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a subject process shall notify the Agency in the following instances:

A) Any record showing violation of the requirements of Subpart CC of this Part shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation; and

B) At least 30 calendar days before changing the method of compliance with Subpart CC of this Part from one operating requirement among Section 218.666(a)(1)(A), (B), (C), or (D) to another operating requirement, the owner or operator shall comply with all requirements of subsection (a)(1) above. Upon changing the method of compliance with Subpart CC of this Part from one operating requirement to another, the owner or operator shall comply with all applicable requirements of subsection (a) above.

b) Any owner or operator of a polyester resin product manufacturing process subject to the requirements of Subpart CC of this Part shall comply with the following:

1) On a date consistent with Section 218.106 of this Part or upon initial start-up of a new source, the owner or operator of the source shall certify to the Agency that the source will be in compliance with Section 218.666(b) and (c) of this Part on and after a date consistent with Section 218.106 of this Part, or on or after the initial start-up date. Such certification shall include:

A) A description of the handling practices for polyester resin material, cleaning materials which contain VOM and waste materials which contain VOM including the use of closed containers and a statement that these practices effectively control VOM emissions to the atmosphere; and

B) The usage on a daily basis of each cleanup material which contains VOM, the VOM content per

liter of each such material and whether a reclamation system is required by Section 218.666(c) of this Part for such material or will be used. A description of the solvent recovery practices if recovery is required or will be used, and a statement that where a solvent recovery system is required and will be at the source, that the waste residue contains 20% or less VOM by weight.

- 2) On and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date, the owner or operator of the process shall collect and record all the following information and maintain the information at the source for a period of three years:
 - A) The date, time and duration of scheduled inspections performed to confirm the proper use of closed containers to control VOM emissions, and any instances of improper use of closed containers, with descriptions of actual practice and corrective action taken, if any;
 - B) Information on a daily basis confirming the proper use of a recovery system if one is required or is used, including operation of a recovery system at the source to produce a waste residue that is 20% or less VOM by weight and information identifying any observation of noncompliance; and
 - C) Information on a daily basis on the use of cleaning materials which contain more than 200 grams of VOM per liter (1.7 pound per gallon) if a recovery system is not required or is not used. This information shall include the name, identification number, amount used and VOM content of each such cleaning material.
- 3) On and after a date consistent with Section 218.106, the owner or operator of a subject process shall notify the Agency in the following instances:
 - A) Any record showing a violation of the requirements of Subpart CC with respect to handling practices and solvent recovery for cleaning materials shall be reported by sending a copy of all such records to the Agency within 30 days following the calendar quarter in which such violation occurred;
or
 - B) Within 30 calendar days of changing the handling practices for polyester resin materials, cleaning

materials and waste materials or changing source practice with respect to a solvent recovery system for cleaning materials, the owner or operator of a source shall notify the Agency, describing the change.

(Source: Added at ___ Ill. Reg. _____, effective _____)

SUBPART DD: AEROSOL CAN FILLING

Section 218.680 Applicability

a) Potential to emit:

1) A source is subject to this Subpart if it is not subject to the requirements of Subparts PP, QQ, RR and TT and has the potential to emit 22.7 Mg (25 tons) or more of VOM per year, in aggregate, from emission units that are:

A) Not regulated by Subpart B, E, F (excluding Section 218.204(1)), H (excluding Section 218.405), Q, R, S, T (excluding Section 218.486), V, X, Y, Z or BB of this Subpart or

B) Not included in any of the following categories: synthetic organic chemical manufacturing industry (SOCMI) distillation, SOCMI reactors, wood furniture, plastic parts coating (business machines), plastic parts coating (other), offset lithography, industrial wastewater, autobody refinishing, SOCMI batch processing, volatile organic liquid storage tanks and clean up solvent operations.

2) If a source is subject to this Subpart as provided above, the requirements of this Subpart shall apply to a source's aerosol can filling lines and propellant booster pumps, which are not regulated by or addressed by Subparts B, E, F, H, Q, R, S, T, V, X, Y, Z, AA, BB, CC of this Subpart.

b) If a source ceases to meet the criteria of subsection (a), the requirements of this Subpart shall continue to apply to an aerosol can filling line and propellant booster pump which was ever subject to the control requirements of Section 218.686 of this Part.

c) For the purposes of this Subpart, an emission unit shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission unit is considered not regulated by a Subpart if it is not subject

to the limits of that Subpart, e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart are not met.

(Source: Added at ___ Ill. Reg. ____, effective _____)

Section 218.686 Control Requirements

a) Every owner or operator of an aerosol can filling line that is filling cans with a propellant which contains propane, butane or other VOM subject to this Subpart shall comply with the following requirements:

- 1) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emission of at least 81 percent from the propellant filling area, also known as the gas house, on each line; or
- 2) As an alternative to compliance with subsection (a)(1) above, the owner or operator of an aerosol can filling line, shall comply with the following requirements:
 - A) Fill all cans, other than trial runs of cans to verify product quality, using through-the-valve fill or enhanced under-the-cup fill to minimize loss of VOM propellant; or use a reclamation system to recover surplus VOM propellant; or use another system approved in a federally enforceable permit which achieves at least 75% reduction of the emissions of under-the-cup fill;
 - B) Fill on a monthly basis at least 90% of cans filled on such aerosol can filling lines that are capable of being filled by the through-the-valve method with through-the-valve fill. All cans shall be considered capable of being filled by the through-the-valve method unless, as demonstrated by the records required by Section 218.692(b)(2) of this Part, the valve assembly is not adaptable to the through-the-valve fill; through-the-valve fill cannot be accomplished with at least 85% of the under-the-cup operating rate in cans per minute of filling; and performance, that is the discharge of the can's contents to accomplish its intended function, is negatively affected by through-the-valve fill considering factors such as propellant solubility in the can's contents and the amount of turbulence which the contents may experience during propellant filling; and
 - C) Verify proper filling of cans with a VOM monitoring system in the gas house. This system

may monitor VOM concentration as a percentage of the lower explosive limit.

- b) Every owner or operator of a propellant booster pump associated with an aerosol can filling line subject to this Subpart shall comply with one of the following requirements:
- 1) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emission of at least 81 percent from each pump. If the pumps are located in the gas house of a filling line, compliance with this reduction may be achieved by the combination of the pumps located in the gas house and the propellant filling area; or
 - 2) Work practices to prevent leaks from a pump, meaning a loss of VOM from the pump above background levels. Work practices shall include changing seals every four (4) weeks and plungers every sixteen (16) weeks unless a pump monitoring procedure approved in a federally enforceable permit establishes otherwise.

(Source: Added at ___ Ill. Reg. _____, effective _____)

Section 218.688 Testing

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance or verify effectiveness with Section 218.686 of this Part, the owner or operator of a VOM emission unit subject to the requirements of this Subpart shall, at its own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 218.105 of this Part.
- b) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

(Source: Added at ___ Ill. Reg. _____, effective _____)

Section 218.690 Recordkeeping and Reporting for Exempt Emission Units

Upon request by the Agency, the owner or operator of an aerosol can filling line or propellant booster pump which is exempt from the requirements of Subpart DD of this Part shall submit to the Agency records documenting that the aerosol can filling line or propellant booster pump is exempt from those requirements. These records shall be submitted within 30 calendar days from the date of the request.

from the use of capture systems and control devices to methods of filling cans, including use of a reclamation system or pump work practice, the owner or operator shall comply with the requirements of subsection (b)(1) or (c)(1) below, respectively. Upon changing the method of compliance with Subpart DD of this Part from the use of capture systems and control devices to compliance with the methods of filling cans or work practices, the owner or operator shall comply with all requirements of subsection (b) or (c) below, respectively.

- b) Any owner or operator of an aerosol can filling line which is subject to the requirements of Subpart DD of this Part and complying by means of the methods of filling cans including use of a reclamation system shall comply with the following:
- 1) By a date consistent with Section 218.106 of this Part, or upon initial start-up of a line subject to Subpart DD of this Part, the owner or operator of the subject line shall certify to the Agency that the line will be in compliance on and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date. Such certification shall include:
 - A) The name and identification number of each line which will comply by means of the methods of filling cans;
 - B) The name and manufacturer's description of the can filling system;
 - C) Calculations and other data to demonstrate the propellant losses with these systems, including a description and results of any test the owner or operator has performed;
 - D) Technical and production data, along with calculations to demonstrate that the required percentage of cans amenable to through-the-valve fill will be filled using through-the-valve fill;
 - E) For a reclamation system, the parameters which will be monitored to demonstrate proper system operation, with justification;
 - F) For a system approved in a federally enforceable permit, identification of such permit; and

(Source: Added at ___ Ill. Reg. ____, effective _____)

Section 218.692 Recordkeeping and Reporting for Subject
Emission Units

- a) Any owner or operator of an aerosol can filling line or propellant booster pump which is subject to the requirements of Subpart DD of this Part and complying by means of the use of emission capture and control equipment shall comply with the following:
- 1) By a date consistent with Section 218.106 of this Part, or upon initial start-up of an aerosol can filling line or propellant booster pump, the owner or operator of the subject line or pump shall demonstrate to the Agency that the subject line or pump will be in compliance on and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date by submitting to the Agency all calculations and other supporting data, including descriptions and results of any tests the owner or operator may have performed.
 - 2) On and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date, the owner or operator of a subject line or pump shall collect and record all of the following information each day and maintain the information at the source for a period of three years:
 - A) Control device monitoring data;
 - B) A log of operating time for the capture system, control device, monitoring equipment and the associated lines and pumps; and
 - C) A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.
 - 3) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a subject line or pump shall notify the Agency:
 - A) Of a violation of the requirements of Subpart DD of this Part by sending a copy of any records showing the violation to the Agency within 30 days following the occurrence of the violation; and
 - B) At least 30 calendar days before changing the method of compliance with Subpart DD of this Part

- G) An example of the records which will be kept pursuant to subsections (b)(2) and (b)(3) below.
- 2) On and after a date consistent with Section 218.106 of this Part or on and after the initial start-up date, the owner or operator of a subject line shall collect and record the following information for each type of product that is not filled by through-the-valve method. Information need be provided pursuant only to subsections (B), (C), (D) and (E) below to the extent that the information is relied upon by the owner or operator to demonstrate that a product is not capable of being filled by the through-the-valve method. For this purpose, each formulation in a particular type of can with a particular type of valve assembly shall be addressed separately as a unique product considering the range of models of cans and valve assemblies, e.g., suppliers, sizes and weights of the type used for such product:
- A) Identifying information for the product type, including identification and description of the cans' contents, type and model of cans, type and models of valve assembly, and type of propellant and nominal propellant charge;
 - B) Whether the valve assembly is able to be through-the-valve filled;
 - C) Under-the-cup operating rate and projected through-the-valve fill operating rate;
 - D) Information addressing the impact of through-the-valve fill on performance;
 - E) Other supporting data; and
 - F) Whether the product is deemed capable of being filled by the through-the-valve method.
- 3) On and after a date consistent with Section 218.106 of this Part or on and after the initial start-up date, the owner or operator of a subject line shall collect and record all of the following information each day for each line and maintain the information at the source for a period of three years:
- A) Operating data for the line and fill systems;
 - B) For a reclamation system, system monitoring data; and

- C) Number of cans filled which are capable of being filled by the through-the-valve method, determined in accordance with the records kept pursuant to subsection (b)(2) above and percentage of such cans actually filled using through-the-valve method.
- 4) On and after the date consistent with Section 218.106 of this Part, the owner or operator of a subject line shall notify the Agency:
- A) Of a violation of the requirements of Subpart DD of this Part by sending a copy of any record showing the violation to the Agency within 30 days following the calendar quarter in which the violation occurred;
 - B) At least 30 calendar days before changing the method of compliance with Subpart DD of this Part, from the methods of filling cans to the use of capture systems and control devices, the owner or operator shall comply with all requirements of subsection (a)(1) above. Upon changing the method of compliance, the owner or operator shall comply with all requirements of subsection (a) above.
- c) Any owner or operator of a propellant booster pump which is subject to the requirements of Subpart DD of this Part and complying by means of work practices, shall comply with the following:
- 1) By a date consistent with Section 218.106 of this Part, or upon initial start-up of a pump subject to Subpart DD of this Part, the owner or operator of the subject pump shall certify to the Agency that the pump will be in compliance on and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date. Such certification shall include:
 - A) The name and identification number of each pump which will comply by means of work practices;
 - B) The work practices which will be followed for the pump, including the means which will be used to determine whether the pump is leaking, that is, experiencing loss of VOM compared to background levels;
 - C) For work practices approved in a federally enforceable permit, identification of such permit; and

- D) An example of the records which will be kept pursuant to subsection (c)(2) below.
- 2) On and after the date consistent with Section 218.106 of this Part, or on and after the initial start-up date, the owner or operator of a subject pump shall collect and record all of the following information each day for each pump and maintain the information at the source for a period of three years:
- A) Operating data for each pump, including date and time a leak in a pump is detected, date and time a leaking pump is removed from service and action taken to repair a pump; and
- B) A maintenance log for the pump, detailing all routine and non-routine maintenance performed including dates and duration of any outages.
- 3) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a subject pump shall notify the Agency:
- A) Of a violation of the requirements of Subpart DD of this Part by sending a copy of any record showing the violation to the Agency within 30 days following the occurrence of the violation;
- B) At least 30 calendar days before changing the method of compliance with Subpart DD of this Part from work practices to use of emission capture and control equipment, the owner or operator shall submit a revised certification pursuant to subsection (a)(1) above. Upon changing the method of compliance with Subpart DD of this Part the owner or operator shall comply with all applicable requirements of subsection (a) above.

(Source: Added at ___ Ill. Reg. _____, effective _____)

SUBPART PP: MISCELLANEOUS FABRICATED
PRODUCT MANUFACTURING PROCESSES

Section 218.920 Applicability

- a) ~~The requirements of this Subpart shall apply to a plant's miscellaneous fabricated product manufacturing process emission sources which are not included within any of the source categories specified in Subparts B, E, F, H, Q, R, S, T, V, X, Y or Z if the plant is subject to this Subpart. A plant is subject to this Subpart if it contains process emission sources, not regulated by~~

~~Subparts B, E, F (excluding Section 218.204(l)), H (excluding Section 218.405), Q, R, S, V, X, Y or Z of this Part, which as a group both:~~

- ~~1) Have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and~~
- ~~2) Are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable construction permit or a SIP revision.~~

a) Maximum theoretical emissions:

- 1) A source is subject to this Subpart if it contains process emission units not regulated by Subpart B, E, F (excluding Section 218.204(l)), H (excluding Section 218.405), Q, R, S, T, (excluding Section 218.486) V, X, Y, Z or BB of this Part, which as a group both:
 - A) Have maximum theoretical emissions of 90.7 Mg (100 tons) or more per calendar year of VOM, and
 - B) Are not limited to less than 90.7 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable permit or a SIP revision.
- 2) If a source is subject to this Subpart as provided above, the requirements of this Subpart shall apply to a source's miscellaneous fabricated product manufacturing process emission units which are not included within any of the categories specified in Subpart B, E, F, H, Q, R, S, T, V, X, Y, Z, AA, BB, QQ, or RR.

b) Potential to emit:

- 1) A source is subject to this Subpart if it has the potential to emit 22.7 Mg (25 tons) or more of VOM per year, in aggregate, from emission units that are:
 - A) Not regulated by Subpart B, E, F, H, Q, R, S, T (excluding Section 218.486), V, X, Y, Z, or BB of this Part, or
 - B) Not included in any of the following categories: synthetic organic chemical manufacturing industry (SOCMI) distillation, SOCMI reactors, wood

furniture, plastic parts coating (business machines), plastic parts coating (other), offset lithography, industrial wastewater, autobody refinishing, SOCOMI batch processing, volatile organic liquid storage tanks and clean-up solvents operations.

2) If a source is subject to this Subpart as provided above, the requirements of this Subpart shall apply to a source's miscellaneous fabricated product manufacturing process emission units, which are:

A) Not regulated by Subpart B, E, F, H, O, R, S, T, V, X, Y, Z, AA, BB, CC, DD, OO, or RR of this Part, or

B) Not included in any of the following categories: synthetic organic chemical manufacturing industry (SOCMI) distillation, SOCOMI reactors, wood furniture, plastic parts coating (business machines), plastic parts coating (other), offset lithography, industrial wastewater, autobody refinishing, SOCOMI batch processing, volatile organic liquid storage tanks and clean-up solvents operations.

bc) If a ~~plantsource~~ ceases to fulfill the criteria of subsection (a) and (b) above, the requirements of this Subpart shall continue to apply to a miscellaneous fabricated products manufacturing process emission ~~sourceunit~~ which was ever subject to the control requirements of Section 218.926 of this Part.

ed) No limits under this Subpart shall apply to emission ~~sourcesunits~~ with emissions of VOM to the atmosphere less than or equal to 0.91 Mg (1.0 ton) per calendar year if the total emissions from such ~~sources~~ emission units not complying with Section 218.926 does not exceed 4.5 Mg (5.0 tons) per calendar year of this Part.

de) For the purposes of this Subpart, an emission ~~sourceunit~~ shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission ~~sourceunit~~ is not considered regulated by a Subpart if it is not subject to the limits of that Subpart, e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart are not met. ~~its emissions are below the applicability cutoff level or if the source is covered by an exemption.~~

ef) For the purposes of this Subpart, ~~uncontrolled~~ VOM emissions in the absence of air pollution control

equipment are the emissions of VOM which would result if no air pollution control equipment were used.

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

Section 218.923 Permit Conditions (Repealed)

~~No person shall violate any condition in a permit when the condition results in exclusion of the plant or an emission source from this Subpart.~~

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

Section 218.926 Control Requirements

Every owner or operator of an ~~emission source~~ miscellaneous fabricated product manufacturing process emission unit subject to this Subpart shall comply with the requirements of subsection (a), (b) or (c) of this Section:

- a) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent from each emission unit; or

(Board Note: For the purpose of this provision, an emission unit is any part or activity at a source of a type that by itself is subject to control requirements in other Subparts of this Part or 40 CFR 60, incorporated by reference in Section 218.112, e.g., a coating line, a printing line, a process unit, a wastewater system, or other equipment, or is otherwise any part or activity at a source.)

- b) For coating lines:

1) ~~The~~ The daily-weighted average VOM content shall not exceed 0.42 kg VOM/l (3.5 lbs VOM/gal) of coating as applied (minus water and any compounds which are specifically exempted from the definition of VOM) during any day. Owners and operators complying with this ~~Section~~ limitation are not required to comply with Section 218.301 of this Part; or

2) For leather coating lines at a source where the criteria of Section 218.920(a) are not met:

A) Either

i) The VOM contained in stain coatings, other than stain coatings applied to specialty leather, as applied at the source in any consecutive 12-month period shall not exceed

10 tons; or

ii) The daily-weighted average VOM content shall not exceed 0.42 kg VOM/l (3.5 lbs VOM/gal) of coating as applied (minus water and any compounds which are specifically exempted from the definition of VOM) during any day; and

B) The total VOM content of all coatings, including stains, as applied to a category of specialty leather, shall not exceed 38 lbs per 1000 square feet of such specialty leather produced, determined on a monthly basis, or

c) An equivalent alternative control plan which has been approved by the Agency and USEPA as a SIP revision.

(Source: Amended at ___ Ill. Reg. _____, effective _____)
SUBPART QQ: MISCELLANEOUS FORMULATION MANUFACTURING PROCESSES

Section 218.940 Applicability

~~a) The requirements of this Subpart shall apply to a plant's miscellaneous formulation manufacturing process emission sources, which are not included within any of the source categories specified in Subparts B, E, F, H, Q, R, S, V, X, Y or Z of this Part if the plant is subject to this Subpart. A plant is subject to this Subpart if it contains process emission sources, not regulated by Subparts B, E, F (excluding Section 218.204(1)), H (excluding Section 218.405), Q, R, S, V, X, Y or Z of this Part, which as a group both:~~

~~1) Have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and~~

~~2) Are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable construction permit or a SIP revision.~~

a) Maximum theoretical emissions:

1) A source is subject to this Subpart if it contains process emission units not regulated by Subpart B, E, F (excluding Section 218.204(1)), H (excluding Section 218.405), Q, R, S, T (excluding Section 218.486), V, X, Y, Z or BB of this Part, which as a group both:

- A) Have maximum theoretical emissions of 90.7 Mg (100 tons) or more per calendar year of VOM, and
- B) Are not limited to less than 90.7 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment through production or capacity limitations contained in a federally enforceable permit or a SIP or FIP revision.

2) If a source is subject to this Subpart as provided above, the requirements of this Subpart shall apply to a source's miscellaneous formulation manufacturing process emission units which are not included within any of the categories specified in Subpart B, E, F, H, O, R, S, T, V, X, Y, Z, AA, BB, PP, or RR of this Part.

b) Potential to emit:

1) A source is subject to this Subpart if it has the potential to emit 22.7 Mg (25 tons) or more of VOM per year, in aggregate, from emission units that are:

- A) Not regulated by Subpart B, E, F, H, O, R, S, T (excluding Section 218.486), V, X, Y, Z, or BB of this Part, or
- B) Not included in any of the following categories: synthetic organic chemical manufacturing industry (SOCMI) distillation, SOCMI reactors, wood furniture, plastic parts coating (business machines), plastic parts coating (other), offset lithography, industrial wastewater, autobody refinishing, SOCMI batch processing, volatile organic liquid storage tanks and clean-up solvents operations.

2) If a source is subject to this Subpart as provided above, the requirements of this Subpart shall apply to a source's miscellaneous formulation manufacturing process emission units which are:

- A) Not regulated by Subpart B, E, F, H, O, R, S, T, V, X, Y, Z, AA, BB, CC, DD, PP, or RR of this Part, or
- B) Not included in any of the following categories: synthetic organic chemical manufacturing industry (SOCMI) distillation, SOCMI reactors, wood furniture, plastic parts coating (business machines), plastic parts coating (other), offset lithography, industrial wastewater, autobody

refinishing, SOCOMI batch processing, volatile organic liquid storage tanks and clean-up solvents operations.

- bc) If a ~~plantsource~~ ceases to fulfill the criteria of subsections (a) and (b) above, the requirements of this Subpart shall continue to apply to a miscellaneous formulation manufacturing process emission ~~sourceunit~~ which was ever subject to the control requirements of Section 218.946 of this Part.
- ed) No limits under this Subpart shall apply to emission ~~sourcesunits~~ with emissions of VOM to the atmosphere less than or equal to 2.3 Mg (2.5 tons) per calendar year if the total emissions from such emission units ~~sources~~ not complying with this Section does not exceed 4.5 Mg (5.0 tons) per calendar year.
- ee) For the purposes of this Subpart, an emission ~~sourceunit~~ shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission ~~sourceunit~~ is ~~not~~ considered not regulated by a Subpart if it is not subject to the limits of that Subpart, e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart are not met. its emissions are below the applicability cutoff level or if the source is covered by an exemption.
- ef) For the purposes of this Subpart, ~~uncontrolled~~ VOM emissions in the absence of air pollution control equipment are the emissions of VOM which would result if no air pollution control equipment were used.

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

Section 218.943 Permit Conditions (Repealed)

~~No person shall violate any condition in a permit when the condition results in exclusion of the plant or an emission source from this Subpart.~~

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

Section 218.946 Control Requirements

Every owner or operator of an miscellaneous formulation manufacturing process emission ~~sourceunit~~ subject to this Subpart shall comply with the requirements of subsection (a) or (b) below.

- a) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emissions of at

least 81 percent from each emission unit, or

(Board Note: For the purpose of this provision, an emission unit is any part or activity at a source of a type that by itself is subject to control requirements in other Subparts of this Part or 40 CFR 60, incorporated by reference in Section 218.112, e.g., a coating line, a printing line, a process unit, a wastewater system, or other equipment, or is otherwise any part or activity at a source.)

- b) An equivalent alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision.

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

SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL MANUFACTURING PROCESSES

Section 218.960 Applicability

- a) ~~The requirements of this Subpart shall apply to a plant's miscellaneous organic chemical manufacturing process emission sources which are not included within any of the source categories specified in Subpart B, E, F, H, Q, R, S, V, X, Y or Z of this Part, if the plant is subject to this Subpart. A plant is subject to this Subpart if it contains process emission sources, not regulated by Subparts B, E, F (excluding Section 218.204(1)), H (excluding Section 218.405), Q, R, S, T, V, X, Y or Z of this Part, which as a group both:~~
- ~~1) Have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and~~
 - ~~2) Are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable construction permit or a SIP revision.~~
- a) Maximum theoretical emissions:
- 1) A source is subject to this Subpart if it contains process emission units not regulated by Subpart B, E, F (excluding Section 218.204(1)), H (excluding Section 218.405), Q, R, S, T, (excluding Section 218.486) V, X, Y, Z or BB of this Part, which as a group both:
 - A) Have maximum theoretical emissions of 90.7 Mg (100

tons) or more per calendar year of VOM, and

B) Are not limited to less than 90.7 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment through production or capacity limitations contained in a federally enforceable permit or a SIP revision.

2) If a source is subject to this Subpart as provided above, the requirements of this Subpart shall apply to a source's miscellaneous organic chemical manufacturing process emission units which are not included within any of the categories specified in Subpart B, E, F, H, O, R, S, T, V, X, Y, Z, AA, BB, PP, or QQ of this Part.

b) Potential to emit:

1) A source is subject to this Subpart if it has the potential to emit 22.7 Mg (25 tons) or more of VOM per year, in aggregate, from emission units other than VOM leaks from components that are:

A) Not regulated by Subpart B, E, F, H, O, R, S, T (excluding Section 218.486), V, X, Y, Z, or BB of this Part, or

B) Not included in one of the following categories: synthetic organic chemical manufacturing industry (SOCMI) distillation, SOCMI reactors, wood furniture, plastic parts coating (business machines), plastic parts coating (other), offset lithography, industrial wastewater, autobody refinishing, SOCMI batch processing, volatile organic liquid storage tanks and clean-up solvents operations.

2) If a source is subject to this Subpart as provided above, the requirements of this Subpart shall apply to a source's miscellaneous organic chemical manufacturing process emission units which are:

A) Not regulated by Subpart B, E, F, H, O, R, S, T, V, X, Y, Z, AA, BB, CC, DD, PP, or QQ of this Part, or

B) Not included in any of the following categories: synthetic organic chemical manufacturing industry (SOCMI) distillation, SOCMI reactors, wood furniture, plastic parts coating (business machines), plastic parts coating (other), offset lithography, industrial wastewater, autobody

refinishing, SOCOMI batch processing, volatile organic liquid storage tanks and clean-up solvents operations.

- bc) If a plant source ceases to fulfill the criteria of § subsections (a) and (b) above, the requirements of this Subpart shall continue to apply to a miscellaneous organic chemical manufacturing process emission ~~source~~ unit which was ever subject to the control requirements of Section 218.966 of this Part.
- ed) No limits under this Subpart shall apply to emission ~~sources~~ units with emissions of VOM to the atmosphere less than or equal to 0.91 Mg (1.0 ton) per calendar year if the total emissions from such emission units ~~sources~~ not complying with Section 218.966 of this Part does not exceed 4.5 Mg (5.0 tons) per calendar year.
- ee) For the purposes of this Subpart, an emission ~~source~~ unit shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission ~~source~~ unit is ~~not~~ considered not regulated by a Subpart if it is not subject to the limits of that Subpart, e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart are not met. its emissions are below the applicability cutoff level or if the source is covered by an exemption.
- ef) For the purposes of this Subpart, ~~uncontrolled~~ VOM emissions in the absence of air pollution control equipment are the emissions of VOM which would result if no air pollution control equipment were used.

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

Section 218.963 Permit Conditions (Repealed)

~~No person shall violate any condition in a permit when the condition results in exclusion of the plant or an emission source from this Subpart.~~

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

Section 218.966 Control Requirements

Every owner or operator of an ~~emission source~~ miscellaneous organic chemical manufacturing process emission unit subject to this Subpart shall comply with the requirements of subsection (a) or (b) below.

- a) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emissions of at

least 81 percent from each emission unit, or

(Board Note: For the purpose of this provision, an emission unit is any part or activity at a source of a type that by itself is subject to control requirements in other Subparts of this Part or 40 CFR 60, incorporated by reference in Section 218.112, e.g., a coating line, a printing line, a process unit, a wastewater system, or other equipment, or is otherwise any part or activity at a source.)

- b) An equivalent alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision.
- c) Any leaks from components subject to the control requirements of this Subpart shall be subject to the following control measures:
- 1) Repair any component from which a leak of VOL can be observed. The repair shall be completed as soon as practicable but no later than 15 days after the leak is found, unless the leaking component cannot be repaired until the process unit is shut down, in which case the leaking component must be repaired before the unit is restarted.
 - 2) For any leak which cannot be readily repaired within one hour after detection, the following records, as set forth in this subsection, shall be kept. These records shall be maintained by the owner or operator for a minimum of two years after the date on which they are made. Copies of the records shall be made available to the Agency or USEPA upon verbal or written request.
 - A) The name and identification of the leaking component;
 - B) The date and time the leak is detected;
 - C) The action taken to repair the leak; and
 - D) The date and time the leak is repaired.

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

SUBPART TT: OTHER EMISSION ~~SOURCES~~ UNITS

Section 218.980 Applicability

- a) ~~The requirements of this Subpart shall apply to a plant's~~

~~process VOM process emission sources, which are not included within any of the source categories specified in Subparts B, E, F, H, Q, R, S, V, X, Y, Z, AA, PP, QQ, or RR of this Part, or are not exempted from permitting requirements pursuant to 35 Ill. Adm. Code 201.146, if the plant is subject to this Subpart. A plant is subject to this Subpart if it contains process emission sources, not regulated by Subparts B, E, F (excluding Section 218.204(1)), H (excluding Section 218.405), Q, R, S, V, X, Y or Z of this Part, which as a group both:~~

- ~~1) Have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and~~
- ~~2) Are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable construction or operating permit or a SIP revision.~~

a) Maximum theoretical emissions:

- 1) A source is subject to this Subpart if it contains process emission units not regulated by Subpart B, E, F (excluding Section 218.204(1)), H (excluding Section 218.405), Q, R, S, T (excluding Section 218.486), V, X, Y, Z or BB of this Part, which as a group both:
 - A) Have maximum theoretical emissions of 90.7 Mg (100 tons) or more per calendar year of VOM, and
 - B) Are not limited to less than 90.7 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment through production or capacity limitations contained in a federally enforceable permit or a SIP revision.
- 2) If a source is subject to this Subpart as provided above, the requirements of this Subpart shall apply to a source's VOM emission units which are not included within any of the categories specified in Subpart B, E, F, H, Q, R, S, T, V, X, Y, Z, AA, BB, PP, QQ, or RR of this Part or which are not exempted from permitting requirements pursuant to 35 Ill. Adm. Code 201.146.

b) Potential to emit:

- 1) A source is subject to this Subpart if it has the potential to emit 22.7 Mg (25 tons) or more of VOM per year, in aggregate, from emission units other than

furnaces at glass container manufacturing sources and VOM leaks from components that are:

- A) Not regulated by Subpart B, E, F, H, O, R, S, T, (excluding Section 218.486), V, X, Y, Z, or BB of this Part, or
- B) Not included in any of the following categories: synthetic organic chemical manufacturing industry (SOCMI) distillation, SOCMI reactors, wood furniture, plastic parts coating (business machines), plastic parts coating (other), offset lithography, industrial wastewater, autobody refinishing, SOCMI batch processing, volatile organic liquid storage tanks and clean-up solvents operations.

2) If a source is subject to this Subpart as provided above, the requirements of this Subpart shall apply to a source's VOM emission units, which are:

- A) Not regulated by Subpart B, E, F, H, O, R, S, T, V, X, Y, Z, AA, BB, CC, DD, PP, QQ or RR of this Part, or which are not exempted from permitting requirements pursuant to 35 Ill. Adm. Code 201.146 (excluding Section 201.146(o) and (p)), or
- B) Not included in any of the following categories: synthetic organic chemical manufacturing industry (SOCMI) distillation, SOCMI reactors, wood furniture, plastic parts coating (business machines), plastic parts coating (other), offset lithography, industrial wastewater, autobody refinishing, SOCMI batch processing, volatile organic liquid storage tanks and clean-up solvents operations.

- bc) If a plant source ceases to fulfill the criteria of subsections (a) and (b) above, the requirements of this Subpart shall continue to apply to an emission source unit which was ever subject to the control requirements of Section 218.986 of this Part.
- ed) No limits under this Subpart shall apply to emission source units with emissions of VOM to the atmosphere less than or equal to 2.3 Mg (2.5 tons) per calendar year if the total emissions from such emission units sources not complying with Section 218.986 of this Part does not exceed 4.5 Mg (5.0 tons) per calendar year.
- de) For the purposes of this Subpart, an emission source unit shall be considered regulated by a Subpart if it is

subject to the limits of that Subpart. An emission ~~sourceunit~~ is ~~not~~ considered ~~not~~ regulated by a Subpart if it is not subject to the limits of that Subpart, e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart are not met. its emissions are below the applicability cutoff level or if the source is covered by an exemption.

- ef) The control requirements in Subparts PP, QQ, RR, ~~SS~~ and TT shall not apply to sewage treatment plants_; vegetable oil extraction and processing plants, coke ovens (including by-product recovery plants), fuel combustion sources_; bakeries_; barge loading facilities_; jet engine test cells_; ~~pharmaceutical manufacturing~~ production of polystyrene foam insulation board (including storage and extrusion of scrap where blowing agent is added to the polystyrene resin at the ~~plant source~~), but not including blending and preliminary expansion of resin prior to molding where blowing agent is incorporated into the polystyrene resin by the producer of the resin_; production of polystyrene foam packaging (not including blending and preliminary expansion of resin prior to molding where blowing agent is incorporated into the polystyrene resin by the producer of the resin; and storage and extrusion of scrap where blowing agent is added to the polystyrene resin at the ~~plant source~~); and iron and steel production_; and furnaces at glass container manufacturing sources.

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

Section 218.983 Permit Conditions (Repealed)

~~No person shall violate any condition in a permit when the condition results in exclusion of the plant or an emission source from this Subpart.~~

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

Section 218.986 Control Requirements

Every owner or operator of an emission ~~sourceunit~~ subject to this Subpart shall comply with the requirements of subsection (a), (b) or (c) below.

- a) Emission capture and control equipment which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent from each emission unit, or

(Board Note: For the purpose of this provision, an emission unit is any part or activity at a source of a type that by itself is subject to control requirements in

other Subparts of this Part or 40 CFR 60, incorporated by reference in Section 218.112, e.g., a coating line, a printing line, a process unit, a wastewater system, or other equipment, or is otherwise any part or activity at a source.)

- b) For coating lines, the daily-weighted average VOM content shall not exceed 0.42 kg VOM/l (3.5 lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied during any day. Owners and operators complying with this Section are not required to comply with Section 218.301 of this Part, or
- c) An equivalent alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision.
- d) Non-contact process water cooling towers which are subject to the control requirements of this Subpart shall comply with the following control measures no later than August 15, 1994 or upon initial startup:
 - 1) The owner or operator of a non-contact process water cooling tower shall perform the following actions to control emissions of volatile organic material (VOM) from such a tower:
 - A) Inspect and monitor such tower to identify leaks of VOM into the water, as further specified in subsection (d)(3) below;
 - B) When a leak is identified, initiate and carry out steps to identify the specific leaking component or components as soon as practicable, as further specified in subsection (d)(4) below.
 - C) When a leaking component is identified which:
 - i) Can be removed from service without disrupting production, remove the component from service;
 - ii) Cannot be removed from service without disrupting production, undertake repair of the component at the next reasonable opportunity to do so including any period when the component is out of service for scheduled maintenance, as further specified in subsection (d)(4) below;
 - D) Maintain records of inspection and monitoring

activities, identification of leaks and leaking components, elimination and repair of leaks, and operation of equipment as related to these activities, as further specified in subsection (d)(5) below.

- 2) A VOM leak shall be considered to exist in a non-contact process water cooling water system if the VOM emissions or VOM content exceed background levels as determined by monitoring conducted in accordance with subsection (d)(3)(A) below.
- 3) The owner or operator of a non-contact process water cooling tower shall carry out an inspection and monitoring program to identify VOM leaks in the cooling water system.
 - A) The owner or operator of a non-contact process water cooling tower shall submit to the Agency a proposed monitoring program, accompanied by technical justification for the program, including justification for the sampling location(s), parameter(s) selected for measurement, monitoring and inspection frequency, and the criteria used relative to the monitored parameters to determine whether a leak exists as specified in subsection (d)(2) above.
 - B) This inspection and monitoring program for non-contact process water cooling towers shall include, but shall not be limited to:
 - i) Monitoring of each such tower with a water flow rate of 25,000 gallons per minute or more at a petroleum refinery at least weekly and monitoring of other towers at least monthly;
 - ii) Inspection of each such tower at least weekly if monitoring is not performed at least weekly.
 - C) This inspection and monitoring program shall be carried out in accordance with written procedures which the Agency shall specify as a condition in a federally enforceable operating permit. These procedures shall include the VOM background levels for the cooling tower as established by the owner or operator through monitoring; describe the locations at which samples will be taken; identify the parameter(s) to be measured, the frequency of measurements, and the procedures for monitoring

each such tower, that is, taking of samples and other subsequent handling and analyzing of samples; provide the criteria used to determine that a leak exists as specified in subsection (d)(2) above; and describe the records which will be maintained.

- D) A non-contact process water cooling tower is exempt from the requirements of subsections (d)(3)(B) and (d)(3)(C) above if all equipment where leaks of VOM into cooling water may occur is operated at a minimum pressure in the cooling water of at least 35 kPa greater than the maximum pressure in the process fluid.
- 4) The repair of a leak in a non-contact process water cooling tower shall be considered to be completed in an acceptable manner as follows:
- A) Efforts to identify and locate the leaking components are initiated as soon as practicable, but in no event later than three days after detection of the leak in the cooling water tower;
- B) Leaking components shall be repaired or removed from service as soon as possible but no later than 30 days after the leak in the cooling water tower is detected, unless the leaking components cannot be repaired until the next scheduled shutdown for maintenance.
- 5) The owner or operator of a non-contact process water cooling tower shall keep records as set forth below in this subsection. These records shall be retained at a readily accessible location at the source and shall be available for inspection and copying by the Agency for at least 3 years:
- A) Records of inspection and monitoring activity;
- B) Records of each leak identified in such tower, with date, time and nature of observation or measured level of parameter;
- C) Records of activity to identify leaking components, with date initiated, summary of components inspected with dates, and method of inspection and observations;
- D) Records of activity to remove a leaking component from service or repair a leaking component, with date initiated and completed, description of

actions taken and the basis for determining the leak in such tower has been eliminated. If the leaking component is not identified, repaired or eliminated within 30 days of initial identification of a leak in such tower, this report shall include specific reasons why the leak could not be eliminated sooner including all other intervening periods when the process unit was out of service, actions taken to minimize VOM losses prior to elimination of the leak and any actions taken to prevent the recurrence of a leak of this type.

- 6) The owner or operator of a non-contact process water cooling tower shall submit an annual report to the Agency which provides:
 - A) The number of leaks identified in each cooling tower;
 - B) A general description of activity to repair or eliminate leaks which were identified;
 - C) Identification of each leak which was not repaired in 30 days from the date of identification of a leak in such a tower, with description of the leaks, explanation why the leak was not repaired in 30 days;
 - D) Identification of any periods when required inspection and monitoring activities were not carried out.
- e) Any leaks from components subject to the control requirements of this Subpart shall be subject to the following control measures:
 - 1) Repair any component from which a leak of VOL can be observed. The repair shall be completed as soon as practicable but no later than 15 days after the leak is found, unless the leaking component cannot be repaired until the process unit is shut down, in which case the leaking component must be repaired before the unit is restarted.
 - 2) For any leak which cannot be readily repaired within one hour after detection, the following records, as set forth below in this subsection, shall be kept. These records shall be maintained by the owner or operator for a minimum of two years after the date on which they are made. Copies of the records shall be made available to the Agency or USEPA upon verbal or

written request.

- A) The name and identification of the leaking component;
- B) The date and time the leak is detected;
- C) The action taken to repair the leak; and
- D) The date and time the leak is repaired.

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

SUBPART UU: RECORDKEEPING AND REPORTING ~~FOR NON-CTC SOURCES~~

Section 218.991 Subject Emission ~~Sources~~Units

- a) Any owner or operator of a VOM emission ~~source~~unit which is subject to the requirements of Subpart PP, QQ, RR or TT and complying by the use of emission capture and control equipment shall comply with the following:
 - 1) By a date consistent with Section 218.106 of this Part, or upon initial start-up of a new emission ~~source~~unit, the owner or operator of the subject VOM emission ~~source~~unit shall demonstrate to the Agency that the subject emission ~~source~~unit will be in compliance on and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date by submitting to the Agency all calculations and other supporting data, including descriptions and results of any tests the owner or operator may have performed.
 - 2) On and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date, the owner or operator of a subject VOM ~~emission~~ source shall collect and record all of the following information each day and maintain the information at the ~~facility~~source for a period of three years:
 - A) Control device monitoring data-;
 - B) A log of operating time for the capture system, control device, monitoring equipment and the associated emission source-;
 - C) A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.

- 3) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a subject VOM emission source shall notify the Agency: ~~in the following instances:~~
- A) ~~Any record showing~~ Of a violation of the requirements of Subpart PP, QQ, RR or TT ~~shall be reported by sending a copy of such any record showing a violation~~ to the Agency within 30 days following the occurrence of the violation;
 - B) At least 30 calendar days before changing the method of compliance with Subpart PP or TT from the use of capture systems and control devices to the use of complying coatings, the owner or operator shall comply with all requirements of subsection (b)(1) above. Upon changing the method of compliance with Subpart PP or TT from the use of capture systems and control devices to the use of complying coatings, the owner or operator shall comply with all requirements of subsection (b) above.
- 4) A) When, in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with this Subpart, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 218.105 of this Part.
- B) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.
- b) Any owner or operator of a coating line which is subject to the requirements of Subpart PP or TT and complying by means of the daily-weighted average VOM content limitation shall comply with the following:
- 1) By a date consistent with Section 218.106 of this Part, or upon initial start-up of a coating line subject to Subpart PP or TT, the owner or operator of the subject coating line shall certify to the Agency that the coating line will be in compliance on and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date. Such certification shall include:
 - A) The name and identification number of each coating line which will comply by means of the

- daily-weighted average VOM content limitation-;i
- B) The name and identification number of each coating as applied on each coating line-;i
 - C) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line-;i
 - D) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating as applied each day on each coating line-;i
 - E) The method by which the owner or operator will create and maintain records each day as required in subsection (b)(2) above-;i and
 - F) An example of the format in which the records required in subsection (b)(2) above will be kept.
- 2) On and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date, the owner or operator of a subject coating line shall collect and record all of the following information each day for each coating line and maintain the information at the facility source for a period of three years:
- A) The name and identification number of each coating as applied on each coating line-;i
 - B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line-;i and
 - C) The daily-weighted average VOM content of all coatings as applied on each coating line as defined in Section 218.104 of this Part.
- 3) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a subject coating line shall notify the Agency ~~in the following instances:~~
- A) ~~Any record showing~~ Of a violation of the requirements of Subpart PP or TT ~~shall be reported~~ by sending a copy of ~~such~~ any record showing a violation to the Agency ~~and the USEPA~~ within 30

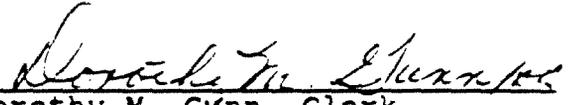
days following the occurrence of the violation-i

- B) At least 30 calendar days before changing the method of compliance with Subpart PP or TT from the use of complying coatings to the use capture systems and control devices, the owner or operator shall comply with all requirements of subsection (a)(1) above. Upon changing the method of compliance with Subpart PP or TT from the use of complying coatings to the use capture systems and control devices, the owner or operator shall comply with all requirements of subsection (a) above.
- c) Any owner or operator of a VOM ~~emission~~ source which is subject to the requirements of Subpart PP, QQ, RR or TT and complying by means of an alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision shall comply with the recordkeeping and reporting requirements specified in the alternative control plan.

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

IT IS SO ORDERED.

I, Dorothy M. Gunn, Clerk of the Illinois Pollution Control Board, hereby certify that the above opinion and order was adopted on the 22nd day of July, 1993, by a vote of 7-0.


 Dorothy M. Gunn, Clerk
 Illinois Pollution Control Board