

ILLINOIS POLLUTION CONTROL BOARD

April 16, 1998

IN THE MATTER OF:)
)
CLEAN-UP AMENDMENTS TO 35 ILL. ADM.) R98-15
CODE 215 (Emission Standards and Limitations) (Rulemaking - Air)
for Stationary Sources located outside the Chicago)
and Metro East Ozone Non-attainment Areas))

Proposed Rule. Second Notice.

OPINION AND ORDER OF THE BOARD (by R.C. Flemal):

This matter comes before the Board upon a petition for rulemaking filed on October 30, 1997, by the Illinois Environmental Protection Agency (Agency). The Agency requests that the Board amend Subparts A (General Provisions), F (Coating Operations), and Z (Dry Cleaners) of 35 Ill. Adm. Code 215 to achieve consistency between these subparts and other Board regulations dealing with volatile organic material (VOM) emissions from stationary emission sources.

A principal feature of the proposal is deletion of provisions from Part 215 that are duplicated in 35 Ill. Adm. Code 211, 218, and 219. These include duplicated definitions and various duplicated provisions that apply only in the non-attainment areas of the state.

The Agency also recommends deletion of several obsolete provisions from Part 215, addition to Part 215 of certain exemption provisions available to emission units in non-attainment areas, and change of some word usage to comport Part 215 with other Board VOM regulations.

The Board's responsibility in this matter arises from the Environmental Protection Act (Act) (415 ILCS 5/1 *et seq.* (1996)). The Board is charged therein to "determine, define and implement the environmental control standards applicable in the State of Illinois." 415 ILCS 5/5(b). More generally, the Board's rulemaking charge is based on the system of checks and balances integral to Illinois environmental governance: the Board bears responsibility for the rulemaking and principal adjudicatory functions; the Agency has primary responsibility for administration of the Act and the Board's regulations, including the regulations today proposed for amendment.

By today's action the Board adopts the proposed amendments for second notice, pursuant to the Illinois Administrative Procedure Act (5 ILCS 100/1-1 *et seq.* (1996)). The matter will now be forwarded to the Joint Committee on Administrative Rules (JCAR) for its consideration.

PROCEDURAL HISTORY

By order of November 6, 1997, the Board accepted this matter for hearing. By the same order the Board granted the Agency's motion for expedited hearing, consistent with the Board's resources and decision deadlines.

Hearings were held before Board hearing officer Audrey Lozuk-Lawless on December 18, 1997, in Chicago and on December 22, 1997, in Springfield.¹ The Agency presented two witnesses, Mr. Gary E. Beckstead, Environmental Protection Engineer in the Agency's Bureau of Air, and Dan Punzak of the Permit Section of the Agency's Bureau of Air. Testimony was also received from Mr. Charles Gjersvik of the firm of Goodwin & Broms, Inc., and from Cassandra J. Donelan of the Illinois Environmental Regulatory Group.

Two public comments were filed during the post hearing public comment period. The first, PC 1, was filed by Sundstrand Corporation. Sundstrand expresses support for the Agency's proposal. In the second public comment the Agency addresses a number of issues raised at hearing (see discussion below).

By order of February 5, 1998, the Board adopted the proposed amendments for first notice. First notice publication occurred in the *Illinois Register*, Vol. 22, Issue 8, page 3674 *et seq.*, February 21, 1998.

On February 20, 1998, JCAR filed a list of format and style changes it had made to the published first notice version of the amendments; those changes have been incorporated into today's proposal. No other comments were filed during the first notice comment period.

Pursuant to the new requirements of Public Act 90-489, effective January 1, 1998, the Board requested that the Department of Commerce and Community Affairs (DCCA) conduct an economic impact study (EcIS) in this matter. On January 26, 1998, DCCA issued a letter to the Board indicating that it would not be conducting an EcIS in this fiscal year. The Board held a hearing on DCCA's decision on March 30, 1998.

BACKGROUND AND PROPOSAL OVERVIEW

35 Ill. Adm. Code 215 was originally developed to house the Board's regulations that deal with standards and limitations on air emissions from stationary sources. It initially housed regulations applicable throughout the state. However, as air emission regulations became both more complex and more geographically specific, it was deemed that special parts dealing with the two non-attainment areas, the Chicago and Metro East areas, were necessary. Accordingly, in 1991 the Board opened new Parts 218 and 219 addressing the two non-attainment areas, respectively.² In this scheme, Part 215 came by default to contain the

¹ Transcripts of the two hearings are cited herein as "Tr.1 at ___" and "Tr.2 at ___", respectively.

² The Chicago non-attainment area consists of the counties of Cook, DuPage, Kane, Lake, McHenry, and Will, plus the townships of Aux Sable and Goose Lake in Grundy County and

stationary source regulations applicable in the attainment areas (*i.e.*, in areas other than the Chicago and Metro East areas).

Since 1991 most of the amendatory activity in the stationary source regulations has occurred within the new Parts 218 and 219, and in the general support parts, Parts 201 and 211. Part 215 has generally been left unattended, with the result that it has accumulated inconsistencies, including some duplication, with the actively evolving parts. The principal purpose of today's action is to correct these inconsistencies between parts, as well as to clean up certain inconsistencies within Part 215 itself.

Definitions

Definitions that support the Board's air regulations occur within 35 Ill. Adm. Code 201 and 211. These definitions apply to Part 215.³ Some of the terms defined in Part 211 are repeated in Part 215 at Section 215.104. In today's action it is proposed that all definitions contained at Section 215.104 that are identical to definitions found in Part 201 or Part 211 be deleted. The purpose is to avoid duplication and any confusion that might result from the duplication.

Deletion of all the definitions that are duplicates would leave just four definitions within Section 215.104. Each of these are definitions particular to Part 215. Tr.1 at 11-15; PC 2 at 2.

One of the four definitions that would remain is proposed to be amended to correct a typographical error in the definition of "Reid Vapor Pressure" to include the correct abbreviation of pounds per square inch absolute.

Replacement of "Source" by "Emission Unit"

In various places in today's proposal the term "source" or "emission source" is proposed to be replaced with the term "emission unit". The latter term has become the standard term of art used throughout federal and state VOM regulations, and today's changes are intended to comport Part 215 with this current usage.

Duplicated Regulatory Requirements

Part 215 contains several regulatory provisions that are duplicated in Parts 218 and 219. These consist of non-attainment area regulations that predate the opening of Parts 218

Oswego in Kendall County. The Metro East non-attainment area consists of the counties of Madison, Monroe, and St. Clair.

³ See 35 Ill. Adm. Code 215.104, which states in pertinent part that "the definitions of 35 Ill. Adm. Code 201 and 211 apply to . . . part [215]."

and 219, were duplicated there, but never removed from Part 215. These provisions occur in 215.Subpart F at 215.204(a)(1), 215.204(k)(1), and 215.204(m). Under the instant proposal these duplicated provisions are deleted, with renumbering of subsections as warranted.

2,500 gal/yr Coating Exemption

Today's proposal adds a provision that would exempt a coating plant from the Part 215 requirements if the total coating usage is less than 2,500 gallons per year (9,463 L/yr). See proposed 35 Ill. Adm. Code 215.206(a)(2). The Agency believes that a coating plant that uses coatings at this volume is a *de minimus* emissions source. Statement of Reasons at 3; Tr.2 at 7.

At hearing Mr. Charles Gjersvik recommended that the exemption level be set at 5,000 gallons per year rather than 2,500 gallons per year. Tr.2 at 17-18. Mr. Gjersvik observed that pursuant to 35 Ill. Adm. Code 201.146(g) painting operations that use less than 5,000 gallons per year of paint are exempt from permitting requirements. Mr. Gjersvik noted that "compliance by small coating plants can be made much simpler if the permit exemption and the emission limitation exemption go hand-in-hand." Tr.2 at 17. He further contended that use of the higher exemption limit would produce such a small increase in VOM emissions as to have "no discernible effect on ozone levels." Tr.2 at 18. The Agency disagrees with this contention, noting that the difference in allowable emissions could be as much as 10 tons per year. PC 2 at 5. The Agency concludes that the 2,500 gallons per year limit remains in "the best interest of the environment." PC 2 at 5.

Based on the record before the Board, the Board agrees with the Agency that the 2,500 gallon per year exemption limit constitutes the appropriate *de minimus* usage limit. On that basis the Board proposes the 2,500 gallons per year limit for first notice.

Clarification of the Definition of "Coating"

Mr. Gjersvik further proposed at hearing that neither powder coatings nor "*de minimus* VOM content coatings" be included in calculations used to determine the amount of annual coating usage. Tr.2 at 18-19. The Agency contends that either case would require reinterpretation of the definition of "coating"⁴ in a manner contrary to prior practice and in a manner that exceeds the Agency's intended scope of the instant proposal. PC 2 at 5-7. After review of these issues, the Board declines today to either reinterpret the existing definition of "coating" or to otherwise explicitly exclude powder coatings or "*de minimus*" VOM content coatings from the definition of "coating."

Touch-up and Repair and Recordkeeping and Reporting

⁴ "Coating", for the purposes of Part 215, is defined at 35 Ill. Adm. Code 211.1190(a).

In addition to the coating exemption proposed for Section 215.206, today's proposal at Section 215.206 also adds exemptions for *de minimus* usage of touch-up and repair coatings, and for associated recordkeeping and reporting requirements. These exemptions are identical to exemptions found in Parts 218 and 219. See 35 Ill. Adm. Code 218.208 and 219.208. The purpose of incorporating these exemptions into Part 215 is to make this provision uniform between non-attainment and attainment areas.

Roadmaster Site-Specific Rule

Part 215 currently contains a site-specific rule applicable to the Roadmaster Corporation's facility located in Olney, Illinois, found at Section 215.214.⁵ Roadmaster has shut down the coaters to which the site-specific rule applies, and has indicated to the Agency that it wishes to have the site-specific rule withdrawn. Tr.2 at 14-15; PC 2 at 3 and Exhibit B. On this basis the rule is proposed for deletion.

Perchloroethylene Dry Cleaners

Today's proposal would delete all regulatory requirements pertaining to perchloroethylene dry cleaners found in Part 215. Perchloroethylene was delisted as a VOM by the United States Environmental Protection Agency on February 7, 1996. On February 7, 1997 the Board adopted a final rulemaking delisting perchloroethylene as VOM under state regulations. These actions moot 35 Ill. Adm. Code 215.601-606, which are here proposed for repeal.

Board-Initiated Changes

In addition to the amendments proposed by the Agency, the Board today includes for first notice several additional stylistic and formatting amendments. These include amendment of the title for Section 215.207 in the table of contents, amendment of the Board note following Section 215.109 to correct the cross-reference to "volatile organic material," addition of the word "and" at the end of proposed Section 215.206(c)(5), change of the spelling of "exceedance" to "exceedence," and addition of various necessary comas and hyphens in some portions of the text. In addition, two of the minor amendments recommended by the Agency, proposed corrections of spellings of the word "coat" at Section 215.204(a)(3) and of the word "actual" at Section 215.207(c), are not made today because the official version of both sections does contain the correct spellings.

ECONOMIC AND ENVIRONMENTAL IMPACT

The Agency believes that the instant proposal is technically feasible and economically reasonable. Tr.1 at 11; Tr.2 at 7. The Agency further believes that adoption of the proposed amendments would not have an adverse effect on the environment. Tr.1 at 11; Tr.2 at 7.

⁵ Roadmaster Corporation is now known as Brunswick Bicycle Company. Tr.2 at 14.

Additionally, the Agency asserts that it has been in contact with most affected facilities, and that the affected parties are in agreement with the proposal. Tr.1 at 11; Tr.2 at 7.

CONCLUSION

The Board finds that, based on the record developed in this matter, adoption of the proposed amendments for the purposes of second notice is warranted.

ORDER

The Board hereby proposes for second notice the following amendments to 35 Ill. Adm. Code 215. The Clerk of the Board is directed to file these proposed rules with the Joint Committee on Administrative Rules.

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

PART 215
ORGANIC MATERIAL EMISSION STANDARDS AND LIMITATIONS

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AUTHORITY: Implementing Sections 9.1 and 10 and authorized by Section 27 of the Environmental Protection Act [415 ILCS 5/9.1, 10 and 27].

SOURCE: Adopted as Chapter 2: Air Pollution, Rule 205: Organic Material Emission Standards and Limitations, R71-23, 4 PCB 191, filed and effective April 14, 1972; amended in R77-3, 33 PCB 357, at 3 Ill. Reg. 18, p. 41, effective May 3, 1979; amended in R78-3 and R78-4, 35 PCB 75, 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. 13601 Corrected at 7 Ill. Reg. 14575; amended in R82-14 at 8 Ill. Reg. 13254, effective July 12, 1984; amended in R83-36 at 9 Ill. Reg. 9114, effective May 30, 1985; amended in R82-14 at 9 Ill. Reg. 13960, effective August 28, 1985; amended in R85-28 at 11 Ill. Reg. 3127, effective February 3, 1987; amended in R82-14 at 11 Ill. Reg. 7296, effective April 3, 1987; amended in R85-21(A) at 11 Ill. Reg. 11770, effective June 29, 1987; recodified in R86-39 at 11 Ill. Reg. 13541; amended in R82-14 and R86-12 at 11 Ill. Reg. 16706, effective September 30, 1987; amended in R85-21(B) at 11 Ill. Reg. 19117, effective November 9, 1987; amended in R86-36, R86-39, R86-40 at 11 Ill. Reg. 20829, effective December 14, 1987; amended in R82-14

and R86-37 at 12 Ill. Reg. 815, effective December 24, 1987; amended in R86-18 at 12 Ill. Reg. 7311, effective April 8, 1988; amended in R86-10 at 12 Ill. Reg. 7650, effective April 11, 1988; amended in R88-23 at 13 Ill. Reg. 10893, effective June 27, 1989; amended in R88-30(A) at 14 Ill. Reg. 3555, effective February 27, 1990; emergency amendments in R88-30A at 14 Ill. Reg. 6421, effective April 11, 1990, for a maximum of 150 days; amended in R88-19 at 14 Ill. Reg. 7596, effective May 8, 1990; amended in R89-16(A) at 14 Ill. Reg. 9173, effective May 23, 1990; amended in R88-30(B) at 15 Ill. Reg. 3309, effective February 15, 1991; amended in R88-14 at 15 Ill. Reg. 8018, effective May 14, 1991; amended in R91-7 at 15 Ill. Reg. 12217, effective August 19, 1991; amended in R91-10 at 15 Ill. Reg. 15595, effective October 11, 1991; amended in R89-7(B) at 15 Ill. Reg. 17687, effective November 26, 1991; amended in R91-9 at 16 Ill. Reg. 3132, effective February 18, 1992; amended in R91-24 at 16 Ill. Reg. 13555, effective August 24, 1992; amended in R91-30 at 16 Ill. Reg. 13849, effective August 24, 1992; amended in R98-15 at 22 Ill. Reg. _____, effective _____.

SUBPART A: GENERAL PROVISIONS

Section 215.104 Definitions

The definitions of 35 Ill. Adm. Code 201 and 211 apply to this Part, as well as the definitions contained in this Section. Where the definition contained in this Section is more specific than that found in 35 Ill. Adm. Code 201 or 211, it shall take precedence in application of this Part.

~~“Binders”: Organic materials and resins which do not include volatile organic materials.~~

~~“Clear Topcoat”: The final coating which contains binders, but not opaque pigments, and is specifically formulated to form a transparent or translucent solid protective film.~~

~~“Conventional Soybean Crushing Source”: Any hexane extraction soybean crushing equipment that uses direct contact steam for desolventizing and producing toasted soy meals.~~

~~“Ethanol blend gasoline” means a mixture of gasoline and at least 9% ethanol by volume.~~

“Furniture Coating Application Line”: The combination of coating application equipment, flash-off area, spray booths, ovens, conveyors, and other equipment operated in a predetermined sequence for purpose of applying coating to wood furniture.

~~“Heatset”: A class of web offset lithography which requires a heated dryer to solidify the printing inks.~~

~~“Heavy Liquid”: Liquid with a true vapor pressure of less than 0.3 kPa (0.04 psi) at 294.3° K (70° F) established in a standard reference text or as determined by ASTM method D 2879; or which has 0.1 Reid Vapor Pressure as determined by ASTM method D 323; or which when distilled requires a temperature of 421.95K (300° F) or greater to recover 10% of the liquid as determined by ASTM method D 86.~~

“In Vacuum Service:” For the purposes of Subpart Q, Sections 215.430 through 215.438 equipment which is operating at an internal pressure that is at least 5 kPa (0.73 psia) below ambient pressure.

~~“Light Liquid”: Volatile organic material in the liquid state which is not defined as heavy liquid.~~

~~“Light Oil”: A liquid condensed or absorbed from coke oven gas composed of benzene, toluene, and xylene.~~

~~“Material Recovery Section”: Any equipment designed to transport and recover styrene monomer and other impurities from other products and by products in a polystyrene plant, including but not limited to the styrene devolatilizer unite and styrene recovery unit.~~

~~“Offset”: Use of a blanket cylinder to transfer ink from the plate cylinder to the surface to be printed.~~

“Opaque Stains”: All stains containing pigments not classified as semi-transparent stains including stains, glazes and other opaque material to give character to wood.

~~“Open Ended/Valve”: Any valve, except pressure relief devices, having one side of the valve in contact with process fluid and one side open to the atmosphere, either directly or through open piping.~~

~~“Pigments Coatings”: Opaque coatings containing binders and colored pigments which are formulated to conceal the wood surface either as an undercoat or topcoat.~~

~~“Polystyrene Plant”: Any plant using styrene to manufacture polystyrene resin.~~

~~“Polystyrene Resin”: A substance consisting of styrene polymer and additives which is manufactured at a polystyrene plant.~~

“Reid vapor pressure”: is the standardized measure of the vapor pressure of a liquid in pounds per square inch absolute (kPapsia) at 100° F (37.8° C).

~~“Repair Coatings”~~: Coatings to correct imperfections or damage to furniture surface.

~~“Repaired”~~: For the purposes of Subpart Q, Sections 215.430 through 215.438 equipment component which is adjusted, or otherwise altered, to eliminate a leak.

~~“Retail Outlet”~~: means any gasoline dispensing facility at which gasoline is sold or offered for sale for use in motor vehicles.

~~“Sealer”~~: Coating containing binders which seals the wood prior to application to subsequent coatings.

~~“Semi transparent Stains”~~: Stains containing dyes or semi transparent pigments which are formulated to enhance wood grain and change the color of the surface but not to conceal the surface, including, but not limited to, sap stain, toner, non-grain raising stains, pad stain, spatter stain.

~~“Specialty Soybean Crushing Source”~~: Any hexane extraction soybean crushing equipment using indirect steam heat in flash or vapor desolventizers as the primary method of desolventizing and producing specialty solvent extracted soy flakes, grits or flour.

~~“Styrene Devolatilizer Unit”~~: Equipment performing the function of separating unreacted styrene monomer and other volatile components from polystyrene in a vacuum devolatilizer.

~~“Styrene Recovery Unit”~~: Equipment performing the function of separating styrene monomer from other less volatile components of the styrene devolatilizer unit's output. The separated styrene monomer may be reused as a raw material in the polystyrene plant.

~~“Wash Coat”~~: Coating containing binders which seals wood surfaces, prevents undesired staining and controls penetration.

~~“Web”~~: A substrate which is printed in continuous roll fed presses.

~~“Wholesale Purchaser-Consumer”~~: means any person or organization that purchases or obtains gasoline from a supplier for ultimate consumption or use in motor vehicles and receives delivery of the gasoline into a storage tank with a capacity of at least 550 gallons (2082 liters) owned and controlled by that person.

~~“Wood Furniture”: Room furnishings including cabinets (kitchen, bath and vanity), tables, chairs, beds, sofas, shutters, art objects, wood paneling, wood flooring, and any other coated furnishings made of wood, wood composition or fabricated wood materials.~~

(Source: Amended at 22 Ill. Reg. _____, effective _____)

Section 215.109 Monitoring for Negligibly-Reactive Compounds

Any provision of 35 Ill. Adm. Code 211 notwithstanding, the Agency may require an owner or operator to submit monitoring or testing methods and results for any of the compounds listed at 35 Ill. Adm. Code 211.~~1227150~~ as exempted from the definition of “volatile organic material” demonstrating the amount of exempted compounds in the source's emissions, as a precondition to such exemption, where direct quantification of volatile organic material emissions is not possible due to any of the following circumstances which make it necessary to quantify the exempt compound emissions in order to quantify volatile organic material emissions:

- a) VOMs and exempted compounds are mixed together in the same emissions;
- b) There are a large number of exempted compounds in the same emissions; or
- c) The chemical composition of the exempted compounds in the emissions is not known.

Board Note: Derived from the USEPA “Recommended Policy on the Control of Volatile Organic Compounds”, as amended at 56 Fed. Reg. 11418, March 18, 1991, and subsequently codified as 40 CFR 51.100(s), as added at 57 Fed. Reg. 3941 (Feb. 3, 1992). See also 35 Ill. Adm. Code 211.~~1227150~~ for the basic definition of “volatile organic material.” USEPA is not bound by any state determination as to monitoring. 40 CFR 51.100(s)(4).

(Source: Amended at 22 Ill. Reg. _____, effective _____)

SUBPART F: COATING OPERATIONS

Section 215.204 Emission Limitations for Manufacturing Plants

No owner or operator of a coating line shall cause or allow the emission of volatile organic material to exceed the following limitations on coating materials, excluding water and any compounds which are specifically exempted from the definition of volatile organic material pursuant to this Part, delivered to the coating applicator:

- a) Automobile or Light Duty Truck Manufacturing Plants

| | | | |
|----|--------------------|-------------|---------------|
| 1) | In Cook County | <u>kg/l</u> | <u>lb/gal</u> |
| | Prime coat | 0.14 | (1.2) |
| | Prime surface coat | 0.34 | (2.8) |

~~(BOARD NOTE: The prime surfacer coat limitation is based upon a transfer efficiency of 30 percent. The prime surfacer coat limitation shall not apply until December 31, 1982.)~~

| | | | |
|--|----------|------|-------|
| | Top coat | 0.34 | (2.8) |
|--|----------|------|-------|

~~(BOARD NOTE: The limitation is based upon a transfer efficiency of 30 percent. The top coat limitation shall not apply until December 31, 1985.)~~

| | | | |
|--|-------------------|------|-------|
| | Final repair coat | 0.58 | (4.8) |
|--|-------------------|------|-------|

~~(BOARD NOTE: The limitation shall not apply until December 31, 1985)~~

| | | | |
|-----|--------------------|-------------|---------------|
| 21) | In Boone County | <u>kg/l</u> | <u>lb/gal</u> |
| | Prime coat | 0.14 | (1.2) |
| | Prime surface coat | 0.34 | (2.8) |
| | Top coat | 0.34 | (2.8) |

(BOARD NOTE: The top coat limitation shall not apply if by December 31, 1984 a limitation of 0.43 kg/l (3.6 lb/gal) is achieved and the top coat is applied with a transfer efficiency of not less than 55 percent and by December 31, 1986, the top coat is applied with a transfer efficiency of not less than 65 percent)

| | | | |
|--|-------------------|------|-------|
| | Final repair coat | 0.58 | (4.8) |
|--|-------------------|------|-------|

| | | | |
|-----|---------------------------|-------------|---------------|
| 32) | In the remaining counties | <u>kg/l</u> | <u>lb/gal</u> |
| | Prime coat | 0.14 | (1.2) |
| | Prime surface coat | 0.34 | (2.8) |
| | Top coat | 0.34 | (2.8) |
| | Final repair coat | 0.58 | (4.8) |

| | | | |
|----|-----------------------------------|-------------|---------------|
| b) | Can Coating | <u>kg/l</u> | <u>lb/gal</u> |
| 1) | Sheet basecoat and Overvarnish | 0.34 | (2.8) |
| 2) | Exterior basecoat and overvarnish | 0.34 | (2.8) |

| | | | |
|----|---|-------------|---------------|
| 3) | Interior body spray coat | 0.51 | (4.2) |
| 4) | Exterior end coat | 0.51 | (4.2) |
| 5) | Side seam spray coat | 0.66 | (5.5) |
| 6) | End sealing compound coat | 0.44 | (3.7) |
| c) | Paper Coating | <u>kg/l</u> | <u>lb/gal</u> |
| 1) | All paper coating except as provided in subsection (c)(2) | 0.35 | (2.9) |
| 2) | Specialty High Gloss Catalyzed Coating | 0.42 | (3.5) |

(BOARD NOTE: These limitations shall not apply to equipment used for both printing and paper coating)

| | | | |
|----|-------------------------|------|-------|
| d) | Coil Coating | 0.31 | (2.6) |
| e) | Fabric Coating | 0.35 | (2.9) |
| f) | Vinyl Coating | 0.45 | (3.8) |
| g) | Metal Furniture Coating | 0.36 | (3.0) |
| h) | Large Appliance Coating | 0.34 | (2.8) |

(BOARD NOTE: The limitation shall not apply to the use of quick-drying lacquers for repair of scratches and nicks that occur during assembly, provided that the volume of coating does not exceed 0.95 liters (1 quart) in any one eight-hour period)

| | | | |
|----|--|-------------|--------------|
| i) | Magnet Wire Coating | <u>0.20</u> | <u>(1.7)</u> |
| j) | Miscellaneous Metal Parts and Products Coating | | |
| 1) | Clear coating | 0.52 | (4.3) |
| 2) | Air dried coating | 0.42 | (3.5) |
| 3) | Extreme performance coating | 0.42 | (3.5) |

| | | | |
|----|---|------|--|
| 4) | Power driven fastener coating | | |
| | A) Nail Coating | | Refer to limits in (j) (1), (2), (3) and (5) |
| | B) Staple, brad and finish nail unit fabrication bonding coating | 0.64 | (5.3) |
| | C) Staple, brad and finish nail incremental fabrication lubricity coating | 0.64 | (5.3) |
| | D) Staple, brad and finish nail incremental fabrication withdrawal resistance coating | 0.60 | (5.0) |
| | E) Staple, brad and finish nail unit fabrication coating | 0.64 | (5.3) |
| 5) | All other coatings | 0.36 | (3.0) |

(BOARD NOTE: The least restrictive limitation shall apply if more than one limitation pertains to a specific coating)

| | | | |
|----|--|-------------|---------------|
| k) | Heavy Off-highway Vehicle | <u>kg/l</u> | <u>lb/gal</u> |
| 1) | In Cook, Dupage, Kane, Lake, Macoupin, Madison, McHenry, Monroe, St. Clair and Will counties <u>Macoupin County</u> | 0.52 | (4.3) |
| | Extreme performance prime coat | 0.42 | (3.5) |
| | Extreme performance top coat-air dried | 0.42 | (3.5) |
| | Final repair coat-air dried | 0.42 | (3.5) |
| | High-temperature aluminum coating used at existing diesel-electric locomotive manufacturing plants | 0.72 | (6.0) |
| 2) | In the remaining counties | | |
| | Extreme performance prime coat | 0.42 | (3.5) |
| | Extreme performance top coat-air dried | 0.52 | (4.3) |
| | Final repair coat- air dried | 0.58 | (4.8) |

| | | | |
|----|---|------------------------|--------------------------|
| l) | Wood Furniture Coating | <u>kg/l</u> | <u>lb/gal</u> |
| | 1) Clear topcoat | 0.67 | (5.6) |
| | 2) Opaque stain | 0.56 | (4.7) |
| | 3) Pigmented coat | 0.60 | (5.0) |
| | 4) Repair coat | 0.67 | (5.6) |
| | 5) Sealer | 0.67 | (5.6) |
| | 6) Semi-transparent stain | 0.79 | (6.6) |
| | 7) Wash coat | 0.73 | (6.1) |
| m) | Existing Diesel Electric Locomotive Coating Lines in Cook County | <u>kg/l</u> | <u>lb/gal</u> |
| | 1) Extreme performance prime coat | 0.42 | (3.5) |
| | 2) Extreme performance top coat air dried | 0.52 | (4.3) |
| | 3) Final repair coat air dried | 0.58 | (4.8) |
| | 4) High temperature aluminum coating | 0.72 | (6.0) |
| | 5) All other coatings | 0.36 | (3.0) |

(BOARD NOTE: The repair coat has overall transfer efficiency of 30 percent; all others have an overall transfer efficiency of 65 percent.)

(Source: Amended at 22 Ill. Reg. _____, effective _____)

Section 215.205 Alternative Emission Limitations

Owners or operators of coating lines subject to Section 215.204 may comply with this Section, rather than with Section 215.204. The methods or procedures used to determine emissions of organic material under this Section shall be approved by the Agency. Emissions of volatile organic material from ~~sources~~ emission units subject to Section 215.204, are allowable, notwithstanding the limitations in Section 215.204, if:

- a) For those ~~sources~~ emission units subject to Section 215.204(b), the emissions are controlled by an afterburner system which provides:

- 1) 75% reduction in the overall emissions of volatile organic material from the coating line, and
 - 2) Oxidation to carbon dioxide and water of 90% of the nonmethane volatile organic material (measured as total combustible carbon) which enters the afterburner.
- b) For all other ~~sources~~ emission units subject to Section 215.204, the emissions are controlled by an afterburner system which provides:
- 1) 81% reduction in the overall emissions of volatile organic material from the coating line, and
 - 2) Oxidation to carbon dioxide and water of 90% of the nonmethane volatile organic material (measured at total combustible carbon) which enters the afterburner.
- c) The system used to control such emissions is demonstrated to have control efficiency equivalent to or greater than that provided under the applicable provision of Section 215.204 or subsection ~~subsections~~ (a) or (b).

(Source: Amended at 22 Ill. Reg. _____, effective _____)

Section 215.206 Exemptions from Emission Limitations

- a) The limitations of this Subpart shall not apply to:
- 1) Coating plants ~~whose~~ in which emissions of volatile organic material as limited by the operating permit will not exceed 22.7 Mg/year (25 T/year), in the absence of air pollution control equipment; or
 - 2) Coating plants in which the total coating usage does not exceed 9,463 l/yr (2,500 gal/yr); or
 - 23) Sources used exclusively for chemical or physical analysis or determination of product quality and commercial acceptance provided that:
 - A) The operation of the source is not an integral part of the production process;
 - B) The emissions from the source do not exceed 363 kg (800 lbs) in any calendar month; and
 - C) The exemption is approved in writing by the Agency.

- b) The limitations of this Subpart shall not apply to touch-up and repair coatings used by a coating source described in Sections 215.204(b), (d), (f), (g), (i), and (j) of this Subpart; provided that the source-wide volume of such coatings does not exceed 0.95 l (1 quart) per eight-hour period or exceed 209 l/yr (55 gal/yr) for any rolling twelve-month period. Recordkeeping and reporting for touch-up and repair coatings shall be consistent with subsection (c) of this Section.
- ~~b) The limitations of Section 215.204(j) shall not apply to the Waukegan, Illinois, facilities of the Outboard Marine Corporation, so long as the emissions of volatile organic material related to the surface coating of miscellaneous metal parts and products at those facilities do not exceed 35 tons per year.~~
- c) The owner or operator of a coating line or a group of coating lines using touch-up and repair coatings that are exempted for the limitations of Sections 215.204(b), (d), (f), (g), (i), and (j) of this Subpart because of the provisions of subsection (b) of this Section shall:
- 1) Collect and record the name, identification number, and volume of each touch-up and repair coating, as applied on each coating line, per eight-hour period and per month;
 - 2) Perform calculations on a daily basis, and maintain at the source, records of such calculations of the combined volume of touch-up and repair coatings used source-wide for each eight-hour period;
 - 3) Perform calculations on a monthly basis, and maintain at the source, records of such calculations of the combined volume of touch-up and repair coatings used source-wide for the month and the rolling twelve-month period;
 - 4) Prepare and maintain at the source an annual summary of the information required to be compiled pursuant to subsection (b) of this Section on or before January 31 of the following year;
 - 5) Maintain at the source for a minimum of three years all records required to be kept under this subsection (c) and make such records available to the Agency upon request; and
 - 6) Notify the Agency in writing if the use of touch-up and repair coatings at the source ever exceeds a volume of 0.95 l (1 quart) per eight-hour period or exceeds 209 l/yr (55 gal/yr) for any rolling twelve-month period within 30 days after any such exceedance. Such notification shall include a copy of any records of such exceedance.

- d) “Touch-up and repair coatings” means, for purposes of this Section, any coating used to cover minor scratches and nicks that occur during manufacturing and assembly processes.
- ee) Notwithstanding the limitations of Section 215.204(k)(2), the John Deere Harvester-Moline Works of Deere & Company, Moline, Illinois, shall not cause or permit the emission of volatile organic material from its existing green and yellow flocoating operations to exceed a weekly average of 6.2 lb/gal.

(Source: Amended at 22 Ill. Reg. _____, effective _____)

Section 215.207 Compliance by Aggregation of Emission ~~Sources~~ Units

- a) Owners or operators of coating lines subject to Section 215.204 may comply with this Section rather than with Section 215.204. The methods or procedures used to determine emissions of volatile organic material under this Section shall be approved by the Agency in accordance with 35 Ill. Adm. Code 201. Emissions of volatile organic material from sources subject to Section 215.204 are allowable, notwithstanding the limitations in Section 215.204, if the combined actual emissions from selected coating lines at the coating plant, but not including coating lines or other emission sources constructed or modified after July 1, 1979, is less than or equal to the combined allowable emissions as determined by the following equations:

$$E_{ALL} = \sum_{j=1}^m \sum_{i=1}^n (A_i B_i)_j$$

$$E_{ACT} = \sum_{j=1}^m \sum_{i=1}^n (C_i B_i (1 - D_i))_j$$

- b) A_i shall be determined by the following formula:

$$A_i = \frac{R_i}{1 - \frac{R_i}{S_i}}$$

- c) As used in subsection (a) and (b), symbols mean the following:

E_{ALL} = the allowable volatile organic material emissions from the coating plant in kg/day (lb/day).

A_i = the allowable emission limit for a coating pursuant to Section 215.204 expressed in kg/1 (lbs/gal) of coating solids.

B_i = the volume of coating solids in 1/day (gal/day) in a coating as delivered to the coating line.

m = the number of coating lines included in the combined emission rate.

n = the number of different coatings delivered to a coating line.

E_{ACT} = the actual volatile organic material emissions from the coating plant in kg/day (lbs/day).

C_i = the weight of volatile organic material per volume of solids in kg/l (lb/gal) for a coating.

D_i = the control efficiency by which emissions of volatile organic material from a coating are reduced through the use of control equipment.

R_i = the applicable volatile organic material emission limit pursuant to Section 215.204, for a coating in kg/l (lb/gal).

S_i = the density of the volatile organic material in a coating in kg/l (lb/gal).

- d) The owner or operator of the coating plant shall maintain records of the density of the volatile organic material in each coating, the quantity and volatile organic material and solids content of each coating applied and the line to which coating is applied, in such a manner so as to demonstrate continuing compliance with the combined allowable emissions.
- e) Except for emission ~~sources-units~~ subject to ~~Section Sections~~ 215.301 or 215.302, credits from emission ~~sources-units~~ at the coating plant that are subject to this Part, other than coating lines, may be given to the extent that emissions are reduced from the allowable emission limits for such emission ~~sources-units~~ contained in either this Part, or any existing operating permit, whichever limit is less.

(Source: Amended at 22 Ill. Reg. _____, effective _____)

Section 215.211 Compliance Dates and Geographical Areas

- a) Except as otherwise stated in subsection (b), every owner or operator of an emission ~~source-unit~~ subject to Section 215.204(j), (k), (l), or (m) shall comply with those ~~subsections sections~~ in accordance with the following dates:
- 1) For Section 215.204(j) and (k)(2) Extreme performance prime coat and Final repair coat - air dried, by December 31, 1983.

- 2) For Section 215.204(k)(l) and (m), by December 31, 1987.
 - 3) For Section 215.204(k)(2) Extreme performance top coat - air dried, in accordance with Section 215.210.
 - 4) For Section 215.204(l), by December 31, 1985.
- b) If an emission ~~source~~-unit is not located in one of the nonattainment counties or counties contiguous to nonattainment counties listed below, the owner or operator of the emission ~~source~~-unit shall comply with the requirements of Section 215.204(j), (k) or (l) no later than December 31, 1987:

| | |
|----------|------------|
| Bond | Madison |
| Clinton | McHenry |
| Cook | Monroe |
| DeKalb | Montgomery |
| DuPage | Morgan |
| Franklin | Pope |
| Greene | Randolph |
| Jackson | Saline |
| Jersey | Sangamon |
| Johnson | St. Clair |
| Kane | Union |
| Kendall | Washington |
| Lake | Will |
| Macoupin | Williamson |

(BOARD NOTE: Counties are designated as attainment or nonattainment for ozone by the United States Environmental Protection Agency (USEPA). The USEPA noted in its redesignation rulemaking, that it will publish a rulemaking notice on Williamson County's attainment status. (45 Fed. Reg. 21949, May 16, 1983.) Should Williamson County be redesignated as attainment prior to October 31, 1985, it and the counties contiguous to it will be considered deleted from the above list.)

- c) Notwithstanding subsection (b), if any county is designated as nonattainment by the USEPA at any time subsequent to the effective date of this rule, the owner or operator of an emission source located in that county or any county contiguous to that county who would otherwise be subject to the compliance date in subsection (b) shall comply with the requirements of Section 215.204(j), (k) or (l) within one year from the date of redesignation but in no case later than December 31, 1987.

(Source: Amended at 22 Ill. Reg. _____, effective _____)

Section 215.212 Compliance Plan

- a) The owner or operator of an emission ~~source~~-unit subject to Section 215.211(a) (1) or (3) shall submit to the Agency a compliance plan on or before August 19, 1983.
- b) The owner or operator of an emission ~~source~~-unit subject to Section 215.211(a)(4) shall submit to the Agency a compliance plan on or before October 31, 1985.
- c) The owner or operator of an emission ~~source~~-unit subject to Section 215.211(b) shall submit to the Agency a compliance plan, no later than December 31, 1986.
- d) The owner or operator of an emission ~~source~~-unit subject to Section 215.211(c) shall submit a compliance plan within 90 days after the date of redesignation, but in no case later than December 31, 1986.
- e) The owner or operator of an emission ~~source~~-unit subject to Section 215.211(c) shall not be required to submit a compliance plan if redesignation occurs after December 31, 1986.
- f) The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201.

(Source: Amended at 22 Ill. Reg. _____, effective _____)

Section 215.214 Roadmaster Emissions Limitations (Repealed)

~~Notwithstanding the limitations of Section 215.204(j)(3), the Roadmaster Corporation, Olney, Illinois, shall not cause or permit the emission of volatile organic material from its existing black and white flowcoating operations to exceed a weekly average of 5.9 lb/gal; Roadmaster shall fulfill all of the following conditions:~~

- ~~a) Roadmaster shall contact at least three paint vendors each year in a continuing search for a compliant coating that it can successfully use in its existing flowcoating/oven operations, including any paint vendors suggested by the Agency in a writing delivered to Roadmaster by certified mail;~~
- ~~b) If any vendor provides Roadmaster with laboratory test results which demonstrate that Roadmaster may be able to use the vendor's paint in its existing flowcoater and oven as a substitute for the existing paint, Roadmaster will conduct production tests of that paint;~~
- ~~c) Roadmaster will submit a report to the Agency by March 1 of each year that includes a summary of its efforts during the preceding calendar year, as those~~

efforts relate to Roadmaster's compliance with the foregoing conditions contained in subsections (1) and (2), above;

- d) ~~If Roadmaster locates a compliant paint that it can successfully use in its existing flowcoating operations, and the net annual expense of using the compliant paint is not more than 10 percent greater than the then current net annual expense incurred in the existing painting process, Roadmaster shall convert its present flowcoating operations to the use of that paint within 180 days after the final successful testing of such a paint; and~~
- e) ~~This Section shall expire on January 1, 2000, at which time Roadmaster shall comply with the provisions that generally apply to VOM emissions.~~

(Source: Repealed at 22 Ill. Reg. _____, effective _____)

SUBPART Z: DRY CLEANERS

Section 215.601 Perchloroethylene Dry Cleaners (Repealed)

The owner or operator of a dry cleaning facility which uses perchloroethylene shall:

- a) ~~Vent the entire dryer exhaust through a properly designed and functioning carbon adsorption system or equally effective control device; and~~
- b) ~~Emit no more than 100 ppmv of volatile organic material from the dryer control device before dilution, or achieve a 90 percent average reduction before dilution; and~~
- c) ~~Immediately repair all components found to be leaking liquid volatile organic material; and~~
- d) ~~Cook or treat all diatomaceous earth filters so that the residue contains 25 kg (55 lb) or less of volatile organic material per 100 kg (220 lb) of wet waste material; and~~
- e) ~~Reduce the volatile organic material from all solvent stills to 60 kg (132 lb) or less per 100 kg (220 lb) of wet waste material; and~~
- f) ~~Drain all filtration cartridges in the filter housing or other sealed container for at least 24 hours before discarding the cartridges; and~~
- g) ~~Dry all drained filtration cartridges in equipment connected to a carbon absorption system meeting the requirements of subsections (a) and (b) or an~~

~~emission reduction system or in a manner that will eliminate emission of volatile organic material to the atmosphere.~~

(Source: Repealed at 22 Ill. Reg. _____, effective _____)

Section 215.602 Exemptions (Repealed)

~~The provisions of Section 215.601 are not applicable to perchloroethylene dry cleaning operations which are coin operated or to dry cleaning facilities consuming less than 30 gallons per month (360 gallons per year) of perchloroethylene.~~

(Source: Repealed at 22 Ill. Reg. _____, effective _____)

Section 215.603 Leaks (Repealed)

~~The presence of leaks shall be determined for purposes of Section 215.601 (c) by a visual inspection of the following: hose connections, unions, couplings and valves; machine door gaskets and seatings; filter head gasket and seating; pumps; base tanks and storage containers; water separators; filter sludge recovery; distillation unit; diverter valves; saturated lint from lint baskets; and cartridge filters.~~

(Source: Repealed at 22 Ill. Reg. _____, effective _____)

Section 215.604 Compliance Dates and Geographical areas (Repealed)

~~a) Except as otherwise stated in subsection (b), every owner or operator of an emission source subject to this Subpart shall comply with its standards and limitations in accordance with the following dates:~~

~~1) For Sections 215.601(a) through 215.601(c), by December 31, 1983;~~

~~2) For Sections 215.601(d) through 215.601(g), by May 1, 1983.~~

~~b) If an emission source is not located in one of the counties listed below and is also not located in any county contiguous thereto, the owner or operator of the emission source shall comply with the requirements of Sections 215.601 through 215.603 no later than December 31, 1987:~~

~~—Cook~~

~~—Macoupin~~

~~—DuPage~~

~~—Madison~~

~~—Kane~~

~~—Monroe~~

~~—Lake~~

~~—Saint Clair~~

~~(BOARD NOTE: These counties are proposed to be designated as nonattainment by the USEPA at 47 Fed. Reg. 31588, July 21, 1982.)~~

- ~~e) Notwithstanding subsection (b) above, if any county is designated as nonattainment by the USEPA at any time subsequent to the effective date of this Section, the owner or operator of an emission source located in that county or any county contiguous to that county who would otherwise be subject to the compliance date in subsection (b) shall comply with the requirements of Sections 215.601 through 215.603 within one year from the date of redesignation but in no case later than December 31, 1987.~~

(Source: Repealed at 22 Ill. Reg. _____, effective _____)

Section 215.605 Compliance Plan (Repealed)

- ~~a) The owner or operator of an emission source subject to Section 215.604(a) shall submit to the Agency a compliance plan, pursuant to 35 Ill. Adm. Code 201, Subpart H, including a project completion schedule where applicable, no later than, for Section 215.601(a) and (b), April 21, 1983.~~
- ~~b) The owner or operator of an emission source subject to Section 215.604(b) shall submit to the Agency a compliance plan, including a project completion schedule where applicable, no later than December 31, 1986.~~
- ~~c) The owner or operator of an emission source subject to Section 215.604(c) shall submit a compliance plan, including a project completion schedule within 90 days after the date of redesignation, but in no case later than December 31, 1986.~~
- ~~d) Unless the submitted compliance plan or schedule is disapproved by the Agency, the owner or operator of a facility or emission source subject to the rules specified in subsections (a), (b) or (c) may operate the emission source according to the plan and schedule as submitted.~~
- ~~e) The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201, Subpart H, including specific interim dates as required in 35 Ill. Adm. Code 201.242.~~

(Source: Repealed at 22 Ill. Reg. _____, effective _____)

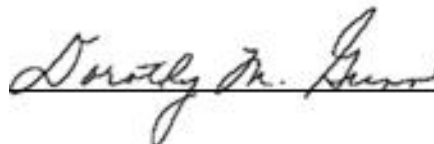
Section 215.606 Exception to Compliance Plan (Repealed)

~~Coin operated dry cleaning operations and dry cleaning facilities consuming less than 30 gallons per month (360 gallons per year) of perchloroethylene are not required to submit or obtain an Agency approved compliance plan or project completion schedule.~~

(Source: Repealed at 22 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 16th day of April 1998 by a vote of 7-0.

A handwritten signature in cursive script, reading "Dorothy M. Gunn", written over a horizontal line.

Dorothy M. Gunn, Clerk
Illinois Pollution Control Board