ILLINOIS POLLUTION CONTROL BOARD
February 16, 1995

IN THE MATTER OF:	)	
	)	
15% ROP PLAN CONTROL MEASURES	)	
FOR VOM EMISSIONS - PART VI:	)	R94-32
MOTOR VEHICLE REFINISHING:	)	(Rulemaking - Air)
AMENDMENTS TO 35 ILL. ADM.	)	
CODE 211, 218 AND 219	)	

PROPOSED RULE. SECOND NOTICE.

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

On October 28, 1994 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) as required under the Federal Clean Air Act.

Section 182(b)(1) of the Clean Air Act (42 U.S.C. 7511(b)(1)) requires all moderate or worse ozone nonattainment areas to achieve a 15% reduction of 1990 emissions of volatile organic material (VOM) by 1996. The Chicago and Metro-East St. Louis areas classified as "Severe" and "Moderate" nonattainment for ozone, respectively, are subject to the 15% reduction requirement. Also pursuant to Section 182(b) of the CAA, Illinois is to submit a 15% Rate of Progress Plan (ROP) within three years of the enactment of the CAA amendments. This rulemaking represents Part VI of the rulemakings proposed in Illinois' 15% ROP. The proposal seeks to amend 35 Ill. Adm. Code 211, 218 and 219.

The Board's responsibility in this matter arises from the Environmental Protection Act (Act) (415 ILCS 5/1 et seq. (1992)). 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. The latter includes administering today's proposed regulation.

This proposal was filed pursuant to Section 28.5 of the Act. (415 ILCS 5/28.5 (1992).) Pursuant to the provisions of that section the Board is required 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 second notice pursuant to the Illinois Administrative Procedure Act. (5 ILCS 100/1005-40 (1992).)

PROCEDURAL HISTORY

The Board sent this proposal to first notice under the APA on November 3, 1994, without commenting on the merits of the proposal. The proposed rule was published in the Illinois Register on December 9, 1994, at 18 Ill. Reg. 17355 (Part 211), 18 Ill. Reg. 17372 (Part 218) and 18 Ill. Reg. 17390 (Part 219). A hearing was held on December 16, 1994 in Chicago, Illinois before Board Hearing Officer Audrey Lozuk-Lawless. Previously-scheduled second and third hearings were cancelled pursuant to Section 28.5(g)(1)(A) of the Act because a request for a second hearing was not received by the Board and a statement of agreement was made by the Agency on the record at the hearing on December 16, 1994. (415 ILCS 5/28.5(g) (1992).) The comment period closed on January 23, 1995.

The Board notes that at the December 16, 1994 hearing there were no issues raised by the interested public.

PROPOSAL

This proposal requires all motor vehicle refinishing operations located in the Chicago and Metro-East St. Louis areas to comply with the specified VOM content limitations for coatings and surface preparation material, use specified coating applicators and coating applicator cleaning equipment, and register annually with the Agency. The proposal also provides control equipment alternatives and outlines recordkeeping and reporting requirements.

This proposal affects VOM emissions from all motor vehicle refinishing operations in both the Chicago and Metro-East St. Louis ozone nonattainment areas. These same operations are currently subject to the control requirements of Sections 218.980 and 219.980 if the source has maximum theoretical emissions of at least 100 tons of VOM per year. However, the Agency is not aware of any Illinois motor vehicle operation source with emissions above this threshold. (State. at 2.) This proposal is estimated to affect 1,463 motor vehicle refinishing operations in the Chicago area and 107 in the Metro-East St. Louis area.

This proposed rulemaking has been under negotiation between the Agency and representatives of the motor vehicle refinishing industry.

PUBLIC COMMENTS

The Board received 4 public comments in this matter. Comments were received from the Illinois Department of Commerce and Community Affairs (DCCA) (PC #1), the Chicago Department of Environment (CDOE) (PC #2), the Agency (PC #3), and the Administrative Code Division (Code Division) (PC #4).

The Board has considered all public comments, as well as all testimony and exhibits, in making its decisions in this matter. In general, there is no disagreement on the part of the participants and commenters on the substance of the proposal.

The comment from DCCA states that DCCA has reviewed the proposal and determined that it will not significantly impact small businesses. DCCA defers to the findings of the Board based on hearings and written public comment to the Board.

CDOE supports this rulemaking in its comment. CDOE acknowledges that area sources must be addressed for the Chicago nonattainment area to come into compliance with the CAA. Their interest extends beyond ozone formation to issues such as odor nuisances, toxicity levels in communities, and compatible land uses. CDOE states that during the first ten months of 1994 their enforcement staff had responded to more than 350 air pollution complaints arising from motor vehicle refinishing operations. The majority of CDOE's complaints originated from odor nuisances or concerns of acute and long-term health exposure. Since 1992 CDOE has filed enforcement cases against these facilities using common law nuisance actions. CDOE believes this rulemaking will address these nuisances in addition to the ozone precursor issue.

CDOE also believes that the economic impact of this rulemaking as it affects businesses within the City of Chicago is mitigated by three factors: many other facilities in Chicago have already invested the resources required to comply with this rulemaking which has put them at a competitive disadvantage with others who have not; the equipment and processes are conservation oriented resulting in smaller volumes of paint and solvent used and thus lower raw material and waste disposal costs; and CDOE anticipates fewer response costs, lower litigation fees, and improved public health effects. CDOE notes that the proposed control measures are reasonably achievable because they have been adopted in New York, New Jersey, Texas and California.

CDOE anticipates that the Agency's estimation of 16.3 tons of VOM reduction per day in the Chicago area is lower than what will actually be achieved. Lastly, CDOE suggests that a simplified format for the reporting and record-keeping be developed as part of the State's program management. CDOE recognizes that simplified reporting requirements are necessary where lack of experience and language barriers often exist. CDOE

has offered to provide any resources necessary to achieve this simplified reporting and recordkeeping.

The Agency comment states that the Agency believes the proposed rule is fully supported by the affected industry. The Agency comment addresses only an inquiry made by the Board at the December 16, 1994 hearing regarding the status of the USEPA Auto Refinishing Regulation and its impact upon the proposed Illinois regulation. The Agency states the USEPA intends to propose a national rule in July, 1995, finalize that rule in February, 1996, and implement it in August, 1996. The national rule would limit the VOM content of Auto Refinishing coatings. According to the Agency, both the USEPA and the Illinois rule propose the Option 1 coating limits contained in the USEPA Alternative Control Technique (ACT) document. The Agency believes that the USEPA national rule would complement Illinois' current proposal. The national rule would require paint manufacturers to produce lower VOM coatings which would decrease the burden on individual autobody shop owners needing a supply of compliant coatings.

Finally, the Code Division suggests various form and typographical corrections which the Board accepts and incorporates into the proposed rules.

CONCLUSION

The Board finds that the proposed rules are technically feasible and economically reasonable, and that the rules are necessary to meet the requirements of the Clean Air Act. We find that the record supports proceeding with the proposed rules as amended to second notice.

ORDER

The Board hereby proposes the following amendments to 35 Ill. Adm. Code 211, 218 and 219. The Board directs the Clerk to submit the following amendments to the Joint Committee on Administrative Rules for second notice.

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

PART 211
DEFINITIONS AND GENERAL PROVISIONS

SUBPART A: GENERAL PROVISIONS

SUBPART B: DEFINITIONS

211.1790 Drum
211.1810 Dry Cleaning Operation or Dry Cleaning Facility
211.1830 Dump-Pit Area
211.1850 Effective Grate Area
211.1870 Effluent Water Separator
211.1875 Elastomeric Materials
211.1890 Electrostatic Bell or Disc Spray
211.1910 Electrostatic Spray
211.1920 Emergency or Standby Unit
211.1930 Emission Rate
211.1950 Emission Unit
211.1970 Enamel
211.1990 Enclose
211.2010 End Sealing Compound Coat
211.2030 Enhanced Under-the-Cup Fill
211.2050 Ethanol Blend Gasoline
211.2070 Excess Air
211.2090 Excessive Release
211.2110 Existing Grain-Drying Operation
211.2130 Existing Grain-Handling Operation
211.2150 Exterior Base Coat
211.2170 Exterior End Coat
211.2190 External Floating Roof
211.2210 Extreme Performance Coating
211.2230 Fabric Coating
211.2250 Fabric Coating Line
211.2270 Federally Enforceable Limitations and Conditions
211.2310 Final Repair Coat
211.2330 Firebox
211.2350 Fixed-Roof Tank
211.2370 Flexographic Printing
211.2390 Flexographic Printing Line
211.2410 Floating Roof
211.2430 Fountain Solution
211.2450 Freeboard Height
211.2470 Fuel Combustion Emission Unit or Fuel Combustion Emission Source
211.2490 Fugitive Particulate Matter
211.2510 Full Operating Flowrate
211.2530 Gas Service
211.2550 Gas/Gas Method
211.2570 Gasoline
211.2590 Gasoline Dispensing Operation or Gasoline Dispensing Facility
211.2610 Gel Coat
211.2650 Grain
211.2670 Grain-Drying Operation
211.2690 Grain-Handling and Conditioning Operation
211.2710 Grain-Handling Operation
211.2730 Green-Tire Spraying
211.2750 Green Tires
211.2770 Gross Heating Value

211.2790 Gross Vehicle Weight Rating
211.2810 Heated Airless Spray
211.2830 Heatset
211.2850 Heatset-Web-Offset Lithographic Printing Line
211.2870 Heavy Liquid
211.2890 Heavy Metals
211.2910 Heavy Off-Highway Vehicle Products
211.2930 Heavy Off-Highway Vehicle Products Coating
211.2950 Heavy Off-Highway Vehicle Products Coating Line
211.2970 High Temperature Aluminum Coating
211.2990 High Volume Low Pressure (HVLP) Spray
211.3010 Hood
211.3030 Hot Well
211.3050 Housekeeping Practices
211.3070 Incinerator
211.3090 Indirect Heat Transfer
211.3110 Ink
211.3130 In-Process Tank
211.3150 In-Situ Sampling Systems
211.3170 Interior Body Spray Coat
211.3190 Internal-Floating Roof
211.3210 Internal Transferring Area
211.3230 Lacquers
211.3250 Large Appliance
211.3270 Large Appliance Coating
211.3290 Large Appliance Coating Line
211.3310 Light Liquid
211.3330 Light-Duty Truck
211.3350 Light Oil
211.3370 Liquid/Gas Method
211.3390 Liquid-Mounted Seal
211.3410 Liquid Service
211.3430 Liquids Dripping
211.3450 Lithographic Printing Line
211.3470 Load-Out Area
211.3490 Low Solvent Coating
211.3500 Lubricating Oil
211.3510 Magnet Wire
211.3530 Magnet Wire Coating
211.3550 Magnet Wire Coating Line
211.3570 Major Dump Pit
211.3590 Major Metropolitan Area (MMA)
211.3610 Major Population Area (MPA)
211.3620 Manually Operated Equipment
211.3630 Manufacturing Process
211.3650 Marine Terminal
211.3670 Material Recovery Section
211.3690 Maximum Theoretical Emissions
211.3710 Metal Furniture
211.3730 Metal Furniture Coating
211.3750 Metal Furniture Coating Line
211.3770 Metallic Shoe-Type Seal

211.3790 Miscellaneous Fabricated Product Manufacturing Process
211.3810 Miscellaneous Formulation Manufacturing Process
211.3830 Miscellaneous Metal Parts and Products
211.3850 Miscellaneous Metal Parts and Products Coating
211.3870 Miscellaneous Metal Parts or Products Coating Line
211.3890 Miscellaneous Organic Chemical Manufacturing Process
211.3910 Mixing Operation
211.3915 Mobile Equipment
211.3930 Monitor
211.3950 Monomer
211.3960 Motor Vehicles
211.3965 Motor Vehicle Refinishing
211.3970 Multiple Package Coating
211.3990 New Grain-Drying Operation
211.4010 New Grain-Handling Operation
211.4030 No Detectable Volatile Organic Material Emissions
211.4050 Non-contact Process Water Cooling Tower
211.4070 Offset
211.4090 One Hundred Percent Acid
211.4110 One-Turn Storage Space
211.4130 Opacity
211.4150 Opaque Stains
211.4170 Open Top Vapor Degreasing
211.4190 Open-Ended Valve
211.4210 Operator of a Gasoline Dispensing Operation or Operator of a Gasoline Dispensing Facility
211.4230 Organic Compound
211.4250 Organic Material and Organic Materials
211.4260 Organic Solvent
211.4270 Organic Vapor
211.4290 Oven
211.4310 Overall Control
211.4330 Overvarnish
211.4350 Owner of a Gasoline Dispensing Operation or Owner of a Gasoline Dispensing Facility
211.4370 Owner or Operator
211.4390 Packaging Rotogravure Printing
211.4410 Packaging Rotogravure Printing Line
211.4430 Pail
211.4450 Paint Manufacturing Source or Paint Manufacturing Plant
211.4470 Paper Coating
211.4490 Paper Coating Line
211.4510 Particulate Matter
211.4530 Parts Per Million (Volume) or PPM (Vol)
211.4550 Person
211.4590 Petroleum
211.4610 Petroleum Liquid
211.4630 Petroleum Refinery
211.4650 Pharmaceutical
211.4670 Pharmaceutical Coating Operation
211.4690 Photochemically Reactive Material
211.4710 Pigmented Coatings

211.4730 Plant
211.4750 Plasticizers
211.4770 PM-10
211.4790 Pneumatic Rubber Tire Manufacture
211.4810 Polybasic Organic Acid Partial Oxidation Manufacturing Process
211.4830 Polyester Resin Material(s)
211.4850 Polyester Resin Products Manufacturing Process
211.4870 Polystyrene Plant
211.4890 Polystyrene Resin
211.4910 Portable Grain-Handling Equipment
211.4930 Portland Cement Manufacturing Process Emission Source
211.4950 Portland Cement Process or Portland Cement Manufacturing Plant
211.4970 Potential to Emit
211.4990 Power Driven Fastener Coating
211.5010 Precoat
211.5030 Pressure Release
211.5050 Pressure Tank
211.5060 Pressure/Vacuum Relief Valve
211.5061 Pretreatment Wash Primer
211.5070 Prime Coat
211.5080 Primer Sealer
211.5090 Primer Surfacer Coat
211.5110 Primer Surfacer Operation
211.5130 Primers
211.5150 Printing
211.5170 Printing Line
211.5185 Process Emission Source
211.5190 Process Emission Unit
211.5210 Process Unit
211.5230 Process Unit Shutdown
211.5250 Process Weight Rate
211.5270 Production Equipment Exhaust System
211.5310 Publication Rotogravure Printing Line
211.5330 Purged Process Fluid
211.5340 Rated Heat Input Capacity
211.5350 Reactor
211.5370 Reasonably Available Control Technology (RACT)
211.5390 Reclamation System
211.5410 Refiner
211.5430 Refinery Fuel Gas
211.5450 Refinery Fuel Gas System
211.5470 Refinery Unit or Refinery Process Unit
211.5490 Refrigerated Condenser
211.5500 Regulated Air Pollutant
211.5510 Reid Vapor Pressure
211.5530 Repair
211.5550 Repair Coat
211.5570 Repaired
211.5590 Residual Fuel Oil
211.5610 Restricted Area

211.5630 Retail Outlet
211.5650 Ringelmann Chart
211.5670 Roadway
211.5690 Roll Coater
211.5710 Roll Coating
211.5730 Roll Printer
211.5750 Roll Printing
211.5770 Rotogravure Printing
211.5790 Rotogravure Printing Line
211.5810 Safety Relief Valve
211.5830 Sandblasting
211.5850 Sanding Sealers
211.5870 Screening
211.5890 Sealer
211.5910 Semi-Transparent Stains
211.5930 Sensor
211.5950 Set of Safety Relief Valves
211.5970 Sheet Basecoat
211.5990 Shotblasting
211.6010 Side-Seam Spray Coat
211.6030 Smoke
211.6050 Smokeless Flare
211.6070 Solvent
211.6090 Solvent Cleaning
211.6110 Solvent Recovery System
211.6130 Source
211.6145 Specialty Coatings for Motor Vehicles
211.6150 Specialty High Gloss Catalyzed Coating
211.6170 Specialty Leather
211.6190 Specialty Soybean Crushing Source
211.6210 Splash Loading
211.6230 Stack
211.6250 Stain Coating
211.6270 Standard Conditions
211.6290 Standard Cubic Foot (scf)
211.6310 Start-Up
211.6330 Stationary Emission Source
211.6350 Stationary Emission Unit
211.6355 Stationary Gas Turbine
211.6360 Stationary Reciprocating Internal Combustion Engine
211.6370 Stationary Source
211.6390 Stationary Storage Tank
211.6410 Storage Tank or Storage Vessel
211.6430 Styrene Devolatilizer Unit
211.6450 Styrene Recovery Unit
211.6470 Submerged Loading Pipe
211.6490 Substrate
211.6510 Sulfuric Acid Mist
211.6530 Surface Condenser
211.6540 Surface Preparation Materials
211.6550 Synthetic Organic Chemical or Polymer Manufacturing Plant

211.6570 Tablet Coating Operation
211.6590 Thirty-Day Rolling Average
211.6610 Three-Piece Can
211.6620 Three or Four Stage Coating System
211.6630 Through-the-Valve Fill
211.6650 Tooling Resin
211.6670 Topcoat
211.6690 Topcoat Operation
211.6695 Topcoat System
211.6710 Touch-Up
211.6720 Touch-Up Coating
211.6730 Transfer Efficiency
211.6750 Tread End Cementing
211.6770 True Vapor Pressure
211.6790 Turnaround
211.6810 Two-Piece Can
211.6830 Under-the-Cup Fill
211.6850 Undertread Cementing
211.6860 Uniform Finish Blender
211.6870 Unregulated Safety Relief Valve
211.6890 Vacuum Producing System
211.6910 Vacuum Service
211.6930 Valves Not Externally Regulated
211.6950 Vapor Balance System
211.6970 Vapor Collection System
211.6990 Vapor Control System
211.7010 Vapor-Mounted Primary Seal
211.7030 Vapor Recovery System
211.7050 Vapor Suppressed Polyester Resin
211.7070 Vinyl Coating
211.7090 Vinyl Coating Line
211.7110 Volatile Organic Liquid (VOL)
211.7130 Volatile Organic Material Content (VOMC)
211.7150 Volatile Organic Material (VOM) or Volatile Organic Compound (VOC)
211.7170 Volatile Petroleum Liquid
211.7190 Wash Coat
211.7210 Wastewater (Oil/Water) Separator
211.7230 Weak Nitric Acid Manufacturing Process
211.7250 Web
211.7270 Wholesale Purchase - Consumer
211.7290 Wood Furniture
211.7310 Wood Furniture Coating
211.7330 Wood Furniture Coating Line
211.7350 Woodworking

APPENDIX A Rule into Section Table
APPENDIX B Section into Rule Table

AUTHORITY: Implementing Sections 9, 9.1 and 10 and authorized by Sections 27 and 28.5 of the Environmental Protection Act ~~(Ill. Rev. Stat. 1991, ch. 111½, pars. 1009, 1009.1, 1010 and 1027),~~

~~(P.A. 87-1213, effective September 26, 1992)~~ [415 ILCS 5/9, 9.1, 10, 27 and 28.5 (1992)].

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. 16504, effective September 27, 1993; amended in R93-11 at 17 Ill. Reg. 21471, effective December 7, 1993; amended in R93-14 at 18 Ill. Reg. 1253, effective January 18, 1994; amended in R94-12 at 18 Ill. Reg. 14962, effective September 21, 1994; amended in R94-14 at 18 Ill. Reg. 15744, effective October 17, 1994; amended in R94-15 at 18 Ill. Reg. 16379, effective October 25, 1994; amended in R94-16 at 18 Ill. Reg. _____, effective _____; amended in R94-32 at _____ Ill. Reg. _____, _____, effective _____.

SUBPART B: DEFINITIONS

Section 211.240 Adhesion Promoter

"Adhesion promoter" means a coating used to promote adhesion of a topcoat on surfaces such as trim moldings, door locks and door sills, where sanding is impractical.

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

Section 211.495 Anti-Glare/Safety Coating

"Anti-glare/safety coating" means a low gloss coating formulated to minimize glare for safety purposes on interior surfaces of a

vehicle, as specified under the U.S. Department of Transportation Motor Vehicle Safety Standards.

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

Section 211.685 Basecoat/Clearcoat System

"Basecoat/clearcoat system" means a topcoat system composed of a pigmented basecoat portion and a transparent clearcoat portion.

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

Section 211.1875 Elastomeric Materials

"Elastomeric materials" means topcoats and primers that are specifically formulated for application over flexible parts such as filler panels and elastomeric bumpers.

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

Section 211.3915 Mobile Equipment

"Mobile equipment" means any equipment which may be drawn or is capable of being driven on a roadway, other than motor vehicles, including, but not limited to truck or automobile trailers, farm machinery, construction equipment, street cleaners and golf carts.

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

Section 211.3960 Motor Vehicles

"Motor vehicles" means automobiles, trucks, vans, motorcycles, or buses.

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

Section 211.3965 Motor Vehicle Refinishing

"Motor vehicle refinishing" means any application of coatings to motor vehicles, mobile equipment, or their parts and components, which is subsequent to the original coating applied at an original equipment manufacturing plant.

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

Section 211.5010 Precoat

"Precoat" means any coating which is applied to bare metal primarily to deactivate the metal surface for corrosion resistance to a subsequent water-base primer.

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

Section 211.5061 Pretreatment Wash Primer

"Pretreatment wash primer" means the first coating applied to bare metal if solventborne primers will be applied. This coating contains a minimum of 0.5 percent acid, by weight, is necessary to provide surface etching, and provides corrosion resistance and adhesion.

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

Section 211.5080 Primer Sealer

"Primer sealer" means an undercoat that improves the adhesion of the topcoat, provides corrosion resistance, and promotes color uniformity.

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

Section 211.5090 Primer Surfacer Coat

a) "Primer surfacer coat" means, for purposes of 35 Ill. Adm. Code 215.204(a), 218.204(a), and 219.204(a), a coating used to touch up areas on the surface of automobile or light-duty truck bodies not adequately covered by the prime coat before application of the top coat. The primer surfacer coat is applied between the prime coat and topcoat. An anti-chip coating applied to main body parts (e.g., rocker panels, bottom of doors and fenders, and leading edge of roof) is a primer surfacer coat. The primer surfacer coat is also referred to as a "guide coat."

b) "Primer surfacer coat" means, for purposes of 35 Ill. Adm. Code Part 218, Subpart HH and Part 219, Subpart HH, a coating applied to motor vehicles, mobile equipment, or their parts and components at motor vehicle refinishing operations that fills in surface imperfections and builds a thickness in order to allow sanding.

(Source: Amended at _____ Ill. Reg. _____, effective __

_____)

Section 211.6145 Specialty Coatings for Motor Vehicles

"Specialty coatings for motor vehicles" means, for purposes of 35 Ill. Adm. Code Part 218 and Part 219, Subpart HH, a coating used for unusual job performance requirements, including, but not limited to, adhesion promoters, uniform finish blenders, elastomeric materials, gloss flatteners, and bright metal trim repair.

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

Section 211.6540 Surface Preparation Materials

"Surface preparation materials" means materials that are used to remove foreign matter, such as wax, tar, grease, and silicone, from the surface to be coated.

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

Section 211.6620 Three or Four Stage Coating System

"Three or four stage coating system" means a topcoat system composed of a colored basecoat, one or two semi-transparent midcoats, and a transparent clearcoat.

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

Section 211.6695 Topcoat System

"Topcoat system" means the final film or series of films of coating applied to a motor vehicle refinishing surface, and includes basecoat/clearcoat systems and three or four stage coating systems.

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

Section 211.6720 Touch-Up Coating

"Touch-up coating" means, for purposes of motor vehicle refinishing operations, a coating applied by brush or hand held, non-refillable aerosol cans to repair minor surface damage and imperfections.

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

Section 211.6860 Uniform Finish Blender

"Uniform finish blender" means a thinner or low solids clear solution which is used to melt overspray from a repaired area into the unrepaired color.

(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

SUBPART A: GENERAL PROVISIONS

Section
218.100 Introduction
218.101 Savings Clause
218.102 Abbreviations and Conversion Factors
218.103 Applicability
218.104 Definitions
218.105 Test Methods and Procedures
218.106 Compliance Dates
218.107 Operation of Afterburners
218.108 Exemptions, Variations, and Alternative Means of Control or Compliance Determinations
218.109 Vapor Pressure of Volatile Organic Liquids
218.110 Vapor Pressure of Organic Material or Solvents
218.111 Vapor Pressure of Volatile Organic Material
218.112 Incorporations by Reference
218.113 Monitoring for Negligibly-Reactive Compounds
218.114 Compliance with Permit Conditions

SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS

Section
218.119 Applicability for VOL
218.121 Storage Containers of VPL
218.122 Loading Operations
218.123 Petroleum Liquid Storage Tanks
218.124 External Floating Roofs
218.125 Compliance Dates (Repealed)
218.126 Compliance Plan (Repealed)

SUBPART C: ORGANIC EMISSIONS FROM MISCELLANEOUS EQUIPMENT

SUBPART E: SOLVENT CLEANING

SUBPART F: COATING OPERATIONS

SUBPART G: USE OF ORGANIC MATERIAL

SUBPART H: PRINTING AND PUBLISHING

SUBPART Q: LEAKS FROM SYNTHETIC ORGANIC CHEMICAL AND POLYMER MANUFACTURING PLANT

SUBPART R: PETROLEUM REFINING AND RELATED INDUSTRIES; ASPHALT MATERIALS

SUBPART S: RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS

SUBPART T: PHARMACEUTICAL MANUFACTURING

SUBPART V: AIR OXIDATION PROCESSES

SUBPART W: AGRICULTURE

SUBPART X: CONSTRUCTION

SUBPART Y: GASOLINE DISTRIBUTION

SUBPART Z: DRY CLEANERS

SUBPART AA: PAINT AND INK MANUFACTURING

SUBPART BB: POLYSTYRENE PLANTS

SUBPART CC: POLYESTER RESIN PRODUCT MANUFACTURING PROCESS

SUBPART DD: AEROSOL CAN FILLING

SUBPART HH: MOTOR VEHICLE REFINISHING

SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT MANUFACTURING PROCESSES

SUBPART QQ: MISCELLANEOUS FORMULATION MANUFACTURING PROCESSES

SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL MANUFACTURING PROCESSES

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Section 218.Appendix A: List of Chemicals Defining Synthetic Organic Chemical and Polymer Manufacturing
Section 218.Appendix B: VOM Measurement Techniques for Capture Efficiency
Section 218.Appendix C: Reference Test Methods for Air Oxidation Processes
Section 218.Appendix D: Coefficients for the Total Resource Effectiveness Index (TRE) Equation

AUTHORITY: Implementing Section 10 and authorized by Section 28.5 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, par. 1010) (P.A. 87-1213, effective September 26, 1992) [415 ILCS 5/10 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. 16636, effective September 27, 1993; amended in R93-14 at 18 Ill. Reg. at 1945, effective January 24, 1994; amended in R94-12 at 18 Ill. Reg. 14973, effective September 21, 1994; amended in R94-15 at 18 Ill. Reg. 16392, effective October 25, 1994; amended in R94-16 at 18 Ill. Reg. _____, effective _____; amended in R94-32 at _____ Ill. Reg. _____, effective _____ _____.

SUBPART HH: MOTOR VEHICLE REFINISHING

Section 218.780 Emission Limitations

a) Except as provided in Section 218.782 of this Subpart, no owner or operator of a motor vehicle refinishing operation shall coat motor vehicles, mobile equipment, or their parts and components, unless all coatings, except touch-up coatings, never exceed the VOM content limitations in this Section, expressed as units of VOM per volume of coating applied at each coating applicator, minus water and any compounds that are specifically exempted from the definition of VOM. The VOM content limitations are as follows:

		kg/l	lb/gal
1)	Pretreatment wash primer	0.78	(6.5)
2)	Precoat	0.66	(5.5)
3)	Primer/primer surfacer coating	0.58	(4.8)
4)	Primer sealer	0.55	(4.6)

5)	Topcoat system or basecoat/clearcoat	0.60	(5.0)
6)	Three or four stage topcoat system	0.63	(5.2)
7)	Specialty coatings	0.84	(7.0)
8)	Anti-glare/safety coating	0.84	(7.0)

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

c) Specialty coatings shall represent no more than 5 percent, by volume, of all coatings applied at a source on a monthly basis.

d) The following equations shall be used to calculate the VOM content of topcoat systems:

1) The VOM content of basecoat/clearcoat systems shall be calculated in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), according to the following equation:

$$VOM\ T_{bc/cc} = (VOM_{bc} + 2\ VOM_{cc})/3$$

Where:

$VOM\ T_{bc/cc}$ = The weighted average of the VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), in the basecoat (bc) and clearcoat (cc) system;

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

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

2) The VOM content for a three stage coating system shall be calculated in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), according to the following formula:

$VOM\ T_{ms} = (VOM_{bc} + VOM_{mc} + 2\ VOM_{cc})/4$

Where:

$VOM\ T_{ms}$ = The weighted average of the VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), in the basecoat, midcoat and clearcoat system;

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

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

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

3) The VOM content for a four stage coating system shall be calculated in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any

compounds which are specifically exempted from the definition of VOM), according to the following formula:

$VOM\ T_{ms} = (VOM_{bc} + VOM_{mc1} + VOM_{mc2} + 2\ VOM_{cc})/5$

Where:

$VOM\ T_{ms}$ = The weighted average of the VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), in the basecoat, midcoats and clearcoat system;

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

VOM_{mc1} = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of the first midcoat;

VOM_{mc2} = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of the second midcoat; and

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

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

Section 218.782 Alternative Control Requirements

As an alternative to complying with the VOM content limitations in Section 218.780 of this Subpart, the owner or operator of a motor vehicle refinishing operation may operate control equipment that reduces VOM emissions at the source by at least 90 percent as provided in either subsection (a) or (b) of this Section.

a) An owner or operator may operate an afterburner or carbon adsorber; or

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

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

Section 218.784 Equipment Specifications

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

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

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

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

b) Clean all coating applicators with a device that:

1) Recirculates solvent during the cleaning process;

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

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

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

Section 218.786 Surface Preparation Materials

Every owner or operator of a motor vehicle refinishing operation

only shall use surface preparation materials that never exceed the following VOM content limitations for the specified substrate:

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

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

Section 218.787 Work Practices

a) Every owner or operator of a motor vehicle refinishing operation shall ensure that fresh and spent solvent, cloth or paper used to apply solvents for surface preparation or cleanup, waste paint, and sludge are stored in closed containers.

b) Every owner or operator of a motor vehicle refinishing operation that is exempt from the equipment specifications in Section 218.784 of this Subpart because it uses less than 20 gallons of coating per year, shall direct solvent used to clean coating applicator equipment and paint lines into a container for proper disposal or recycling.

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

Section 218.788 Testing

a) Upon request by the Agency, the owner or operator of a motor vehicle refinishing operation shall, at its own expense, conduct tests to demonstrate compliance with Sections 218.780, 218.782 or 218.786 of this Subpart, in accordance with the applicable test methods and procedures specified in Section 218.105 of this Part and shall:

1) Notify the Agency 30 days prior to conducting such tests; and

2) Submit all test results to the Agency within 45 days of conducting the requisite tests.

b) For purposes of this Section, surface preparation materials shall be treated as coatings.

c) Nothing in this Section shall limit the authority of

USEPA pursuant to the Clean Air Act, as amended, to require testing, or shall affect the authority of USEPA under Section 114 of the Clean Air Act (42 U.S.C. 7414 (1990)).

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

Section 218.789 Monitoring and Recordkeeping for Control Devices

a) Every owner or operator of a motor vehicle refinishing operation that complies with this Subpart pursuant to Section 218.782 of this Subpart shall:

1) Install and operate equipment to continuously monitor each control device as specified in Section 218.105(d)(2)(A) of this Part;

2) Keep records of parameters for control devices as monitored pursuant to subsection (a)(1) of this Section;

3) Keep logs of operating time of the control device and monitoring equipment;

4) Keep logs of maintenance of the control device and monitoring equipment; and

5) Maintain all records required in this Section for the most recent consecutive three year period and make all such records available to the Agency immediately upon request.

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

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

Section 218.790 General Recordkeeping and Reporting

On and after the compliance date specified in Section 218.791 of this Subpart, every owner or operator of a motor vehicle refinishing operation shall maintain the following records for the most recent consecutive 3 years. Such records shall be made available to the Agency immediately upon request:

a) The name and manufacturer of each coating and surface

preparation product used at the source each month;

b) The volume of each category of coating, as set forth in Section 218.780 of this Subpart, purchased by the source each month;

c) The coating mixing instructions, as stated on the container, in literature supplied with the coating, or otherwise specified by the manufacturer, for each coating purchased by the source each month;

d) The VOM content, expressed as weight of VOM per volume of coating, minus water and any compounds that are specifically exempted from the definition of VOM, recorded on a monthly basis for:

1) Each coating as purchased, if the coating is not mixed with any additives prior to application on the substrate; or

2) Each coating after mixing according to manufacturer's instructions as collected pursuant to subsection (c) of this Section;

e) The weighted average VOM content of the coating, as specified in Section 218.780(d)(1), (d)(2) or (d)(3) of this Subpart, for each basecoat/clearcoat, and three or four stage coating system purchased by the source, recorded on a monthly basis;

f) The total monthly volume of all specialty coatings purchased and the percentage specialty coatings comprise in the aggregate of all coatings purchased by the source each month;

g) The volume of each category of surface preparation material, as set forth in Section 218.786 of this Subpart, purchased by the source each month; and

h) The VOM content, expressed as weight of VOM per volume of material, including water, of each surface preparation material purchased by the source, recorded on a monthly basis.

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

Section 218.791 Compliance Date

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

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

Section 218.792 Registration

a) Every owner or operator of a motor vehicle refinishing operation shall register with the Agency on or before the date specified in Section 218.791 of this Subpart and re-register no later than 45 days following the end of each subsequent calendar year. The following information shall be included in this registration:

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

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

3) A description of all coating applicators used at the source to comply with Section 218.784(a) of this Subpart, if applicable;

4) A description of all cleanup operations at the source, including equipment used to comply with Section 218.784(b) of this Subpart, if applicable;

5) A description of all work practices at the source used to comply with Section 218.787 of this Subpart;

6) If a source claims to be exempt from the equipment requirements in Section 218.784 of this Subpart because it uses less than 20 gallons of coating per year, the owner or operator shall certify that the annual usage is below this level;

7) A written declaration stating whether the source is complying with this Subpart by using coatings that comply with the applicable VOM content limits in Section 218.780 of this Subpart or by control equipment as specified in Section 218.782; and

8) A description of any control devices used to comply with Section 218.782 of this Subpart and the date(s) the device was installed and became operational.

b) At least 30 calendar days before changing the method of compliance to or from Sections 218.780 and 218.782, the

owner or operator of a motor vehicle refinishing operation shall notify the Agency and certify that the source is in compliance with the applicable requirements for the new method of compliance.

(Source: 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 219
ORGANIC MATERIAL EMISSION STANDARDS AND LIMITATIONS FOR THE METRO EAST AREA

SUBPART A: GENERAL PROVISIONS

Section

SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS

Section

SUBPART C: ORGANIC EMISSIONS FROM MISCELLANEOUS EQUIPMENT

SUBPART E: SOLVENT CLEANING

SUBPART F: COATING OPERATIONS

SUBPART G: USE OF ORGANIC MATERIAL

SUBPART H: PRINTING AND PUBLISHING

SUBPART Q: LEAKS FROM SYNTHETIC ORGANIC CHEMICAL AND POLYMER MANUFACTURING PLANT

SUBPART R: PETROLEUM REFINING AND RELATED INDUSTRIES; ASPHALT MATERIALS

SUBPART S: RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS

SUBPART T: PHARMACEUTICAL MANUFACTURING

SUBPART V: AIR OXIDATION PROCESSES

SUBPART W: AGRICULTURE

SUBPART X: CONSTRUCTION

SUBPART Y: GASOLINE DISTRIBUTION

SUBPART Z: DRY CLEANERS

SUBPART AA: PAINT AND INK MANUFACTURING

SUBPART BB: POLYSTYRENE PLANTS

SUBPART HH: MOTOR VEHICLE REFINISHING

SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT MANUFACTURING PROCESSES

SUBPART QQ: MISCELLANEOUS FORMULATION MANUFACTURING PROCESSES

SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL MANUFACTURING PROCESSES

SUBPART TT: OTHER EMISSION UNITS

SUBPART UU: RECORDKEEPING AND REPORTING

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

SOURCE: Adopted at R91-8 at 15 Ill. Reg. 12491, effective August 16, 1991; amended in R91-24 at 16 Ill. Reg. 13597, effective August 24, 1992; amended in R91-30 at 16 Ill. Reg. 13883, effective August 24, 1992; emergency amendment in R93-12 at 17 Ill. Reg. 8295, effective May 24, 1993, for a maximum of 150 days; amended in R93-9 at 17 Ill. Reg. 16918, effective September 27, 1993 and October 21, 1993; amended in R93-28 at 18 Ill. Reg.

4242, effective March 3, 1994; amended in R94-12 at 18 Ill. Reg. 14987, effective September 21, 1994; amended in R94-15 at 18 Ill. Reg. 16415, effective October 25, 1994; amended in R94-16 at 18 Ill. Reg. 16980, effective November 15, 1994; amended in R94-31 at 19 Ill. Reg. _____, effective _____; amended in R94-32 at 19 Ill. Reg. _____, effective _____.

BOARD NOTE: This Part implements the Illinois Environmental Protection Act as of July 1, 1994.

SUBPART HH: MOTOR VEHICLE REFINISHING

Section 219.780 Emission Limitations

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

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

b) All coating shall be used according to manufacturer's specifications. If a coating requires the addition of a reducer, hardener, or other additive, in some combination, this addition must not cause the coating,

as applied, to exceed the applicable VOM content limitation.

c) Specialty coatings shall represent no more than 5 percent, by volume, of all coatings applied at a source on a monthly basis.

d) The following equations shall be used to calculate the VOM content of topcoat systems:

1) The VOM content of basecoat/clearcoat systems shall be calculated in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), according to the following equation:

$$VOM\ T_{bc/cc} = (VOM_{bc} + 2\ VOM_{cc})/3$$

Where:

$VOM\ T_{bc/cc}$ = The weighted average of the VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), in the basecoat (bc) and clearcoat (cc) system;

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

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

2) The VOM content for a three stage coating system shall be calculated in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), according to the following formula:

$VOM\ T_{ms}$ = $(VOM_{bc} + VOM_{mc} + 2\ VOM_{cc})/4$

Where:

$VOM\ T_{ms}$ = The weighted average of the VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), in the basecoat, midcoat and clearcoat system;

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

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

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

3) The VOM content for a four stage coating system shall be calculated in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), according to the following formula:

$VOM\ T_{ms}$ = $(VOM_{bc} + VOM_{mc1} + VOM_{mc2} + 2\ VOM_{cc})/5$

Where:

$VOM\ T_{ms}$ = The weighted average of the VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), in the

basecoat, midcoats and clearcoat system;

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

VOM_{mc1} = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of the first midcoat;

VOM_{mc2} = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of the second midcoat; and

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

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

Section 219.782 Alternative Control Requirements

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

a) An owner or operator may operate an afterburner or carbon adsorber; or

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

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

_____)

Section 219.784 Equipment Specifications

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

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

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

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

b) Clean all coating applicators with a device that:

1) Recirculates solvent during the cleaning process;

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

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

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

Section 219.786 Surface Preparation Materials

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

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

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

Section 219.787 Work Practices

a) Every owner or operator of a motor vehicle refinishing operation shall ensure that fresh and spent solvent, cloth or paper used to apply solvents for surface preparation or cleanup, waste paint, and sludge are stored in closed containers.

b) Every owner or operator of a motor vehicle refinishing operation that is exempt from the equipment specifications in Section 219.784 of this Subpart because it uses less than 20 gallons of coating per year shall direct solvent used to clean coating applicator equipment and paint lines into a container for proper disposal or recycling.

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

Section 219.788 Testing

a) Upon request by the Agency, the owner or operator of a motor vehicle refinishing operation shall, at its own expense, conduct tests to demonstrate compliance with Sections 219.780, 219.782 or 219.786 of this Subpart, in accordance with the applicable test methods and procedures specified in Section 219.105 of this Part and shall:

1) Notify the Agency 30 days prior to conducting such tests; and

2) Submit all test results to the Agency within 45 days after conducting the requisite tests.

b) For purposes of this Section, surface preparation materials shall be treated as coatings.

c) Nothing in this Section shall limit the authority of USEPA pursuant to the Clean Air Act, as amended, to require testing, or shall affect the authority of USEPA under Section 114 of the Clean Air Act (42 U.S.C. 7414 (1990)).

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

Section 219.789 Monitoring and Recordkeeping for Control Devices

a) Every owner or operator of a motor vehicle refinishing operation that complies with this Subpart pursuant to Section 219.782 of this Subpart shall:

1) Install and operate equipment to continuously monitor each control device as specified in Section 219.105(d)(2)(A) of this Part;

2) Keep records of parameters for control devices as monitored pursuant to subsection (a)(1) of this Section;

3) Keep logs of operating time of the control device and monitoring equipment;

4) Keep logs of maintenance of the control device and monitoring equipment; and

5) Maintain all records required in this Section for the most recent consecutive three year period and make all such records available to the Agency immediately upon request.

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

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

Section 219.790 General Recordkeeping and Reporting

On and after the compliance date specified in Section 219.791 of this Subpart, every owner or operator of a motor vehicle refinishing operation shall maintain the following records for the most recent consecutive 3 years. Such records shall be made available to the Agency immediately upon request:

a) The name and manufacturer of each coating and surface preparation product used at the source each month;

b) The volume of each category of coating, as set forth in Section 219.780 of this Subpart, purchased by the source each month;

c) The coating mixing instructions, as stated on the container, in literature supplied with the coating, or otherwise specified by the manufacturer, for each coating purchased by the source each month;

d) The VOM content, expressed as weight of VOM per volume of coating, minus water and any compounds that are specifically exempted from the definition of VOM, recorded on a monthly basis for:

1) Each coating as purchased, if the coating is not mixed with any additives prior to application on the substrate; or

2) Each coating after mixing according to manufacturer's instructions as collected pursuant to subsection (c) of this Section;

e) The weighted average VOM content of the coating, as specified in Section 219.780(d)(1), (d)(2) or (d)(3) of this Subpart, for each basecoat/clearcoat, and three or four stage coating system purchased by the source, recorded on a monthly basis;

f) The total monthly volume of all specialty coatings purchased and the percentage specialty coatings comprise in the aggregate of all coatings purchased by the source each month;

g) The volume of each category of surface preparation material, as set forth in Section 219.786 of this Subpart, purchased by the source each month; and

h) The VOM content, expressed as weight of VOM per volume of material, including water, of each surface preparation material purchased by the source, recorded on a monthly basis.

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

Section 219.791 Compliance Date

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

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

Section 219.792 Registration

a) Every owner or operator of a motor vehicle refinishing operation shall register with the Agency on or before the date specified in Section 219.791 of this Subpart and re-register no later than 45 days following the end of each subsequent calendar year. The following information shall be included in this registration:

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

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

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

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

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

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

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

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

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

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

IT IS SO ORDERED.

I, Dorothy M. Gunn, Clerk of the Illinois Pollution Control Board, hereby certify that the above order was adopted on the 16th day of February 1995, by a vote of 7-0.

Dorothy M. Gunn

Dorothy M. Gunn, Clerk
Illinois Pollution Control Board