

ILLINOIS POLLUTION CONTROL BOARD  
November 3, 1994

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

Proposed Rule.    First 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). 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. Chicago and Metro-East St. Louis areas are classified as "Severe" and "Moderate" nonattainment for ozone, respectively, and are subject to the 15% reduction requirement.

The proposed rules would require 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, require the use of specified coating applicators and coating applicator cleaning equipment and provide a control equipment alternative. The proposed rule would also require motor vehicle refinishing operations to comply with recordkeeping and reporting requirements, and to register annually with the Agency. This proposal represents Part VI of the rulemakings anticipated in the 15% Rate of Progress Plan ("15% ROP Plan"). The proposal seeks to amend 35 Ill. Adm. Code 211, 218 and 219.

Today the Board acts to send this proposal to first notice under the Illinois Administrative Procedure Act, but without commenting on the merits of the proposal.

This proposal was filed pursuant to Section 28.5 of the Environmental Protection Act (Act). (415 ILCS 5/28.5 (1992).) That section requires the Board to proceed with rulemaking under set time-frames. The time lines set forth below are identical to those outlined in the first notice order in R94-31, In the Matter of: 15% ROP Plan Control Measures for VOM Emissions - Part V: Control of Volatile Organic Compound Emissions from Lithographic Printing: Amendments to 35 Ill. Adm. Code Parts 211, 218 and 219, which was also filed on October 28, 1994. In the interest of administrative economy, the Board will coordinate hearings in

these two matters to the extent practicable, but we cannot adjust deadlines for those who intend to participate in both sets of hearings. The Board has no discretion to adjust these time frames under any circumstances.

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

first notice	on or before November 12, 1994
first hearing	on or before December 22, 1994
second hearing	no later than 30 days after the start of the first hearing
third hearing	no later than 14 days after the start of the second hearing
second notice	
(if third hearing cancelled)	on or before March 7, 1995
(if third hearing held)	on or before March 27, 1995
final adoption and filing	21 days after receipt of JCAR certificate of no objection

The Board notes that the above dates are the deadlines as established by Section 28.5 and do not represent actual hearing dates or filing dates. While the schedule includes second and third hearings, these hearings may be cancelled if unnecessary. The Board will proceed in this matter as prescribed in Section 28.5 and discussed in the Board's resolution. (See Clean Air Act Rulemaking Procedures Pursuant to Section 28.5 of the Environmental Protection Act, as Added By P.A. 87-1213, (October 29, 1992 and December 3, 1992), RES 92-2.)

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

#### ORDER

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

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

PART 211  
 DEFINITIONS AND GENERAL PROVISIONS

SUBPART A: GENERAL PROVISIONS

Section  
 211.101 Incorporations by Reference  
 211.102 Abbreviations and Conversion Factors

SUBPART B: DEFINITIONS

Section  
 211.121 Other Definitions  
 211.122 Definitions (Repealed)  
 211.130 Accelacota  
 211.150 Accumulator  
 211.170 Acid Gases  
 211.210 Actual Heat Input  
 211.230 Adhesive  
211.240 Adhesion Promoter  
 211.250 Aeration  
 211.270 Aerosol Can Filling Line  
 211.290 Afterburner  
 211.310 Air Contaminant  
 211.330 Air Dried Coatings  
 211.350 Air Oxidation Process  
 211.370 Air Pollutant  
 211.390 Air Pollution  
 211.410 Air Pollution Control Equipment  
 211.430 Air Suspension Coater/Dryer  
 211.450 Airless Spray  
 211.470 Air Assisted Airless Spray  
 211.490 Annual Grain Through-Put  
211.495 Anti-Glare/Safety Coating  
 211.510 Application Area  
 211.530 Architectural Coating  
 211.550 As Applied  
 211.560 As-Applied Fountain Solution  
 211.570 Asphalt  
 211.590 Asphalt Prime Coat  
 211.610 Automobile  
 211.630 Automobile or Light-Duty Truck Assembly Source or  
 Automobile or Light-Duty Truck Manufacturing Plant  
 211.650 Automobile or Light-Duty Truck Refinishing  
 211.670 Baked Coatings  
211.685 Basecoat/Clearcoat System

211.690 Batch Loading  
211.710 Bead-Dipping  
211.730 Binders  
211.750 British Thermal Unit  
211.770 Brush or Wipe Coating  
211.790 Bulk Gasoline Plant  
211.810 Bulk Gasoline Terminal  
211.830 Can  
211.850 Can Coating  
211.870 Can Coating Line  
211.890 Capture  
211.910 Capture Device  
211.930 Capture Efficiency  
211.950 Capture System  
211.970 Certified Investigation  
211.990 Choke Loading  
211.1010 Clean Air Act  
211.1050 Cleaning and Separating Operation  
211.1070 Cleaning Materials  
211.1090 Clear Coating  
211.1110 Clear Topcoat  
211.1130 Closed Purge System  
211.1150 Closed Vent System  
211.1170 Coal Refuse  
211.1190 Coating  
211.1210 Coating Applicator  
211.1230 Coating Line  
211.1250 Coating Plant  
211.1270 Coil Coating  
211.1290 Coil Coating Line  
211.1310 Cold Cleaning  
211.1330 Complete Combustion  
211.1350 Component  
211.1370 Concrete Curing Compounds  
211.1390 Concentrated Nitric Acid Manufacturing Process  
211.1410 Condensate  
211.1430 Condensible PM-10  
211.1470 Continuous Process  
211.1490 Control Device  
211.1510 Control Device Efficiency  
211.1530 Conventional Soybean Crushing Source  
211.1550 Conveyorized Degreasing  
211.1570 Crude Oil  
211.1590 Crude Oil Gathering  
211.1610 Crushing  
211.1630 Custody Transfer  
211.1650 Cutback Asphalt  
211.1670 Daily-Weighted Average VOM Content  
211.1690 Day  
211.1710 Degreaser  
211.1730 Delivery Vessel  
211.1750 Dip Coating

211.1770 Distillate Fuel Oil  
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 Section 27 and 28.5 of the Environmental Protection Act ~~(11)~~.

~~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 \_\_\_\_\_)

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 SUBTITLE B: AIR POLLUTION  
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 FOR STATIONARY SOURCES

PART 218  
 ORGANIC MATERIAL EMISSION STANDARDS AND LIMITATIONS FOR THE  
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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 R91-23 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:

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

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

- 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:

$$\text{VOM } T_{bc/cc} = \frac{(\text{VOM}_{bc} + 2 \text{VOM}_{cc})}{3}$$

Where:

$\text{VOM } T_{bc/cc}$  = 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;

$\text{VOM}_{bc}$  = 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<sub>cc</sub> = 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:

$$\text{VOM } T_{ms} = \frac{(\text{VOM}_{bc} + \text{VOM}_{mc} + 2 \text{VOM}_{cc})}{4}$$

Where:

VOM } T<sub>ms</sub> = 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<sub>bc</sub> = 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<sub>mc</sub> = 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<sub>cc</sub> = 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:

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

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 \_\_\_\_\_)



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 (HVLV) 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:

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

(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; and
  - 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  
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- Section 219. Appendix C: Reference Test Methods for Air Oxidation Processes
- Section 219. 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 R91-23 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. 16415, 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 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:

	<u>kg/l</u>	<u>lb/gal</u>
1) <u>Pretreatment wash primer</u>	<u>0.78</u>	<u>(6.5)</u>
2) <u>Precoat</u>	<u>0.66</u>	<u>(5.5)</u>
3) <u>Primer/primer surfacer coating</u>	<u>0.58</u>	<u>(4.8)</u>
4) <u>Primer sealer</u>	<u>0.55</u>	<u>(4.6)</u>
5) <u>Topcoat system or</u>		

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

- 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:

$$\text{VOM } T_{bc/cc} = \frac{(\text{VOM}_{bc} + 2 \text{VOM}_{cc})}{3}$$

Where:

$\text{VOM } T_{bc/cc}$  = 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;

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

$\text{VOM}_{cc}$  = The VOM content, as applied, in

units of kg VOM/l (lbs VOM/gal) of coating, 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:

$$\text{VOM } T_{ms} = \frac{(\text{VOM}_{bc} + \text{VOM}_{mc} + 2 \text{VOM}_{cc})}{4}$$

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:

$$\text{VOM } T_{ms} = \frac{(\text{VOM}_{bc} + \text{VOM}_{mc1} + \text{VOM}_{mc2} + 2 \text{VOM}_{cc})}{5}$$

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<sub>bc</sub> = 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<sub>mc1</sub> = 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<sub>mc2</sub> = 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<sub>cc</sub> = 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 (HVLV) 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:



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

(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 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 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 \_\_\_\_  
\_\_\_\_\_)

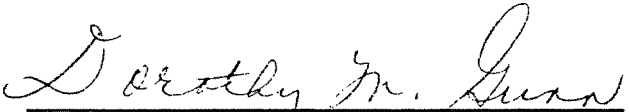
Section 219.792      Registration

- 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 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 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 opinion and order was adopted on the 3rd day of November, 1994, by a vote of 6-0.

  
\_\_\_\_\_  
Dorothy M. Gunn, Clerk  
Illinois Pollution Control Board