

Rule 100 Title
(Recodified 12/17/19)

- 1 TITLE:** These Regulations and Rules shall be known as the Rules and Regulations of the Colusa County Air Pollution Control District.

Rule 200 Nuisance

(Recodified 12/17/19)

- 1 NUISANCE:** In accordance with Section 41700 of the California Health and Safety Code no person shall discharge from any non-vehicular source such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health or safety of any such persons or the public or which cause or have a natural tendency to cause injury or damage to business or property.

Rule 201 Visible Emissions

- 1** **VISIBLE EMISSIONS:** As provided by Section 41701 of the California Health and Safety Code, a person shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminants for a period or periods aggregating more than three (3) minutes in any one hour which is:
 - 1.1** As dark or darker in shade as that designated as No. 2 on the Ringelmann Chart as published by the U.S. Bureau of Mines; or,
 - 2.2** Of such opacity as to obscure an observers view to a degree equal to or greater than does smoke described in Section 1.1 of this Rule.

Rule 202 Particulate Matter Concentration

(Recodified 12/17/19)

- 1 PARTICULATE MATTER CONCENTRATION:** A person shall not discharge into the atmosphere from any source, except as allowed by Rule 203 Sections 2.1.1 and 2.1.3 of this Regulation, particulate matter in excess of 0.3 grains per cubic foot of gas at standard conditions.

When the source involves a combustion process, the concentration must be calculated to 12 percent (12%) carbon dioxide (CO₂). In measuring the combustion contaminants from incinerators used to dispose of combustible refuse by burning, the carbon dioxide (CO₂) produced by combustion of any liquid or gaseous fuels shall be excluded from the calculation of 12 percent (12%) of carbon dioxide (CO₂).

Rule 204 Dust and Fumes

(Recodified 12/17/19)

- 1 PROCESS WEIGHT LIMITATION:** A person shall not discharge in any one hour from any source whatsoever, except as provided by Rule 203 Sections 2.1.1 and 2.1.3 of this Regulation, dust or fumes in total quantities in excess of amounts shown in the following table titled "Process Weight Limitation Table."

To use the following table, take the process weight per hour as such is defined in the attached definitions. Then find this figure on the table, opposite which is the maximum number of pounds of contaminants which may be discharged into the atmosphere in any one hour. As an example: if "A" has a process which emits contaminants into the atmosphere and which process takes four (4) hours to complete, he will divide the weight of all materials in the process, in this example 2,400 lbs., by '4', giving a process weight per hour of 600lbs. The table shows that "A" may not discharge more than 1.83lbs., in any one hour during the process. Interpolation of the data in the table for process weights up to 60,000 pounds/hour shall be accomplished by use of the equation $E = 4.10(P^{0.67})$ and interpolation and extrapolation of the data for process rates in excess of 60,000 pounds/hour shall be accomplished by use of the equation below.

$E = 55.0 (P^{0.11}) - 40$. For purposes of these equations, E = the rate of emission in pounds/hour and P = the process weight rate in tons/hour.

PROCESS WEIGHT LIMITATION TABLE

Process Weight Rate		Maximum Discharge Rate	Process Weight Rate		Maximum Discharge Rate
lb/hr	ton/hr	lb/hr	lb/hr	ton/hr	lb/hr
100	0.05	0.551	14000	7.00	15.5
200	0.10	0.877	16000	8.00	16.5
400	0.20	1.400	18000	9.00	17.9
600	0.30	1.830	20000	10.00	19.2
800	0.40	2.220	30000	15.00	25.2
1000	0.50	2.580	40000	20.00	30.5
1500	0.75	3.380	50000	25.00	35.4
2000	1.00	4.100	60000	30.00	40.0
2500	1.25	4.760	70000	35.00	41.3
3000	1.50	5.380	80000	40.00	42.5
3500	1.75	5.970	90000	45.00	43.6
4000	2.00	6.520	100000	50.00	44.6
5000	2.50	7.580	120000	60.00	46.3
6000	3.00	8.560	140000	70.00	47.8
7000	3.50	9.490	160000	80.00	49.0
8000	4.00	10.400	200000	100.00	51.2
9000	4.50	11.200	1000000	500.00	69.0
10000	5.00	12.000	2000000	1000.00	77.6
12000	6.00	13.600	6000000	3000.00	92.7

Rule 207 Abrasive Blasting

- 1** **ABRASIVE BLASTING:** All abrasive blasting must be in compliance with the following:
 - 1.1** Performed under permit issued by the Air Pollution Control Officer.
 - 1.2** The Air Pollution Control Officer may impose permit condition necessary to protect the health, safety and welfare of the citizens of Colusa County.
 - 1.3** All blasting shall be in accordance with regulations promulgated by the California Air Resources Board pursuant to Article 4 (Commencing with Section 41900) of Chapter 3 of Part 4 of Division 26 of the California Health and Safety Code.

RULE 230 Architectural Coatings

Rule 230 Contents

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Rule 230

- 1 **Purpose:** To require a limit of the quantity of Volatile Organic Compounds (VOCs) in Architectural coatings supplied, sold, offered for sale, applied, solicited for application, or manufactured for use within the Colusa County Air Pollution Control District.
- 2 **Applicability:** This Rule is applicable to any person who supplies, sells, offers for sale or manufacturers any architectural coating for use within the Colusa County Air Pollution Control District, as well as any person who applies or solicits the application of any architectural coating within the District.
- 3 **Severability:** If a court of competent jurisdiction issues an order that any provision of this Rule is invalid, it is the intent of the Board of Directors of the District that other provisions of this Rule remain in full force and effect, to the extent allowed by law.
- 4 **Exemptions:** Section 6 of this Rule does not apply to:
 - 4.1 Any architectural coating that is sold or manufactured for use outside of the District or for shipment to other manufacturers for reformulation or repackaging;
 - 4.2 Any aerosol coating product; or
 - 4.3 Any architectural coating that is sold in a container with a volume of one liter (1.057 quart) or less.

5 DEFINITIONS

- 5.1 **Adhesive:** Any chemical substance that is applied for the purpose of bonding two surfaces together other than by mechanical means.
- 5.2 **Aerosol Coating Product:** A pressurized coating product containing pigments or resins that dispense product ingredients by means of a propellant, and is packaged in a disposable can for hand-held application, or for use in specialized equipment for ground traffic/marketing applications.
- 5.3 **Antenna Coating:** A coating labeled and formulated exclusively for application to equipment and associated structural appurtenances that are used to receive or transmit electromagnetic signals.
- 5.4 **Antifouling Coating:** A coating labeled and formulated for application to submerged stationary structures and their appurtenances to prevent or reduce the attachment of marine or freshwater biological organisms. To qualify as an antifouling coating, the coating must be registered with both the United States Environmental Protection Agency (EPA) under the Federal Insecticide,

Fungicide, and Rodenticide Act (7 U.S.C. Section 136, *et seq.*) and with the California Department of Pesticide Regulation.

- 5.5 Appurtenances:** Any accessory to a stationary structure coated at the site of installation, whether installed or detached, including but not limited to: bathroom and kitchen fixtures; cabinets; concrete forms; doors; elevators; fences; hand railings; heating equipment, air conditioning equipment, and other fixed mechanical equipment or stationary tools; lampposts; partitions; pipes and piping systems; rain-gutters and down-spouts; stairways, fixed ladders, catwalks, and fire escapes; and window screens.
- 5.6 Architectural Coating:** A coating to be applied to stationary structures and their appurtenances at the site of installation, to portable buildings at the site of installation, to pavements, or to curbs. Coatings applied in shop applications or to non-stationary structures such as airplanes, ships, boats, railcars, and automobiles, and adhesives are not considered architectural coatings for the purpose of this Rule.
- 5.7 Bitumens:** Black or brown materials including, but not limited to, asphalt, tar, pitch, and asphaltite that are soluble in carbon disulfide, consist mainly of hydrocarbons, and are obtained from natural deposits or as residues from the distillation of crude petroleum or coal.
- 5.8 Bituminous Roof Coating:** A coating which incorporates bitumens that is labeled and formulated exclusively for roofing.
- 5.9 Bituminous Roof Primer:** A primer which incorporates bitumens that is labeled and formulated exclusively for roofing.
- 5.10 Bond Breakers:** A coating labeled and formulated for application between layers of concrete to prevent a freshly poured top layer of concrete from bonding to the layer over which it is poured.
- 5.11 Clear Brushing Lacquers:** Clear wood finishes, excluding clear lacquer sanding sealers, formulated with nitrocellulose or synthetic resins to dry by solvent evaporation without chemical reaction and to provide a solid, protective film, which are intended exclusively for application by brush, and which are labeled as specified in Section 7.1.5 of this Rule.
- 5.12 Clear Wood Coatings:** Clear and semi-transparent coatings, including lacquers and varnishes, applied to wood substrates to provide a transparent or translucent solid film.
- 5.13 Coating:** A material applied onto or impregnated into a substrate for protective, decorative, or functional purposes. Such materials include, but are not limited to, paints, varnishes, sealers, and stains.

- 5.14 Colorant:** A concentrated pigment dispersion in water, solvent, and/or binder that is added to an architectural coating after packaging in sale units to produce the desired color.
- 5.15 Concrete Curing Compound:** A coating labeled and formulated for application to freshly poured concrete to retard the evaporation of water.
- 5.16 Dry Fog Coating:** A coating labeled and formulated only for spray application such that overspray droplets dry before subsequent contact with incidental surfaces in the vicinity of the surface coating activity.
- 5.17 Exempt Compound:** For the purposes of this Rule, “exempt compound” has the same meaning as in Rule 101 Definitions. Exempt compounds content of a coating shall be determined by South Coast Air Quality Management District Method 303-91 (Revised August 1996).
- 5.18 Faux Finishing Coating:** A coating labeled and formulated as a stain or glaze to create artistic effects including, but not limited to, dirt, old age, smoke damage, and simulated marble and wood grain.
- 5.19 Fire-Resistive Coating:** An opaque coating labeled and formulated to protect the structural integrity by increasing the fire endurance of interior or exterior steel and other structural materials, that has been fire tested and rated by a testing agency approved by building code officials for use in bringing assemblies of structural materials into compliance with federal, state, and local building code requirements. The fire-resistive coating and the testing agency must be approved by building code officials. The fire-resistive coating shall be tested in accordance with the American Society for Testing of Materials (ASTM) Designation E 119-98, incorporated by reference in Section 8.2.4.2 of this Rule.
- 5.20 Fire-Retardant Coating:** A coating labeled and formulated to retard ignition and flame spread, that has been fire tested and rated by a testing agency approved by building code officials for use in bringing building and construction materials into compliance with federal, State, and local building code requirements. The fire-retardant coating and the testing agency must be approved by building code officials. The fire-retardant coating shall be tested in accordance with ASTM Designation E 84-99, incorporated by reference in Section 8.2.4.1 of this Rule.
- 5.21 Flat Coating:** A coating that is not defined under any other definition in this Rule and that registers gloss less than 15 on an 85-degree meter or less than 5 on a 60-degree meter according to ASTM Designation D 523-89 (1999), incorporated by reference in Section 8.2.4.3 of this Rule.

- 5.22 Floor Coating:** An opaque coating that is labeled and formulated for Application to flooring, including, but not limited to, decks, porches, steps, and other horizontal surfaces which may be subject to foot traffic.
- 5.23 Flow Coating:** A coating labeled and formulated exclusively for use by electric power companies or their subcontractors to maintain the protective coating systems present on utility transformer units.
- 5.24 Form-Release Compound:** A coating labeled and formulated for application to a concrete form to prevent the freshly poured concrete from bonding to the form. The form may consist of wood, metal, or some other material other than concrete.
- 5.25 Graphic Arts Coating Or Sign Paint:** A coating labeled and formulated for hand-application by artists using brush or roller techniques to indoor and outdoor signs (excluding structural components) and murals including lettering enamels, poster colors, copy blockers, and bulletin enamels.
- 5.26 High-Temperature Coating:** A high performance coating labeled and formulated for application to substrates exposed continuously or intermittently to temperatures above 204°C (400°F).
- 5.27 Industrial Maintenance Coating:** A high performance architectural coating, including primers, sealers, undercoaters, intermediate coats, and topcoats, formulated for application to substrates exposed to one or more of the following extreme environmental conditions listed in Sections 5.27.1 through 5.27.5 below, and labeled as specified in Section 7.1.4 of this Rule:
- 5.27.1** Immersion in water, wastewater, or chemical solutions (aqueous and non-aqueous solutions), or chronic exposure of interior surfaces to moisture condensation;
 - 5.27.2** Acute or chronic exposure to corrosive, caustic, or acidic agents, or to chemicals, chemical fumes, or chemical mixtures or solutions;
 - 5.27.3** Repeated exposure to temperatures above 121°C (250°F);
 - 5.27.4** Repeated (frequent) heavy abrasion, including mechanical wear and repeated (frequent) scrubbing with industrial solvents, cleansers, or scouring agents; or
 - 5.27.5** Exterior exposure of metal structures and structural components.
- 5.28 Lacquer:** A clear or opaque wood coating, including clear lacquer sanding sealers, formulated with cellulosic or synthetic resins to dry by evaporation without chemical reaction and to provide a solid, protective film.
- 5.29 Low-Solids Coating:** A coating containing 0.12 kilogram or less of solids per liter (1 pound or less of solids per gallon) of coating material.

- 5.30 Magnesite Cement Coating:** A coating labeled and formulated for application to magnesite cement decking to protect the magnesite cement substrate from erosion by water.
- 5.31 Mastic Texture Coating:** A coating labeled and formulated to cover holes and minor cracks and to conceal surface irregularities, and is applied in a single coat of at least 10 mils (0.010 inch) dry film thickness.
- 5.32 Metallic Pigmented Coating:** A coating containing at least 48 grams of elemental metallic pigment per liter of coating as applied (0.4 pounds per gallon), when tested in accordance with South Coast Air Quality Management District Method 318-95, incorporated by reference in Section 8.2.4.4 of this Rule.
- 5.33 Multi-Color Coating:** A coating that is packaged in a single container and that exhibits more than one color when applied in a single coat.
- 5.34 Nonflat Coating:** A coating that is not defined under any other definition in this rule and that registers a gloss of 15 or greater on an 85-degree meter and 5 or greater on a 60-degree meter according to ASTM Designation D 523-89 (1999), incorporated by reference in Section 8.2.4.3 of this Rule.
- 5.35 Nonflat-High Gloss Coating:** A nonflat coating that registers a gloss of 70 or above on a 60 degree meter according to ASTM Designation D 523-89 (1999), incorporated by reference in Section 8.2.4.3 of this Rule.
- 5.36 Non-Industrial Use:** Non-industrial use means any use of architectural coatings except in the construction or maintenance of any of the following:
- 5.36.1** facilities used in the manufacturing of goods and commodities;
 - 5.36.2** transportation infrastructure, including highways, bridges, airports and railroads;
 - 5.36.3** facilities used in mining activities, including petroleum extraction; and,
 - 5.36.4** utilities infrastructure, including power generation and distribution, and water treatment and distribution systems.
- 5.37 Post-Consumer Coating:** A finished coating that would have been disposed of in a landfill, having completed its usefulness to a consumer, and does not include manufacturing wastes.
- 5.38 Pre-Treatment Wash Primer:** A primer that contains a minimum of 0.5 percent by acid, by weight, when tested in accordance with ASTM Designation D 1613-96, incorporated by reference in Section 8.2.4.5 of this Rule, that is labeled and formulated for application directly to bare metal surfaces to provide corrosion resistance and to promote adhesion of subsequent topcoats.

- 5.39 Primer:** A coating labeled and formulated for application to a substrate to provide a firm bond between the substrate and subsequent coats.
- 5.40 Quick-Dry Enamel:** A nonflat coating that is labeled as specified in Section 7.1.8 of this Rule and that is formulated to have the following characteristics:
- 5.40.1** Is capable of being applied directly from the container under normal conditions with ambient temperatures between 16 and 27°C (60 and 80°F);
 - 5.40.2** When tested in accordance with ASTM Designation D-1640-95, incorporated by reference in Section 8.2.4.6 of this Rule, sets to touch in 2 hours or less, is tack free in 4 hours or less, and dries hard in 8 hours or less by the mechanical test method; and
 - 5.40.3** Has a dried film gloss of 70 or above on a 60 degree meter.
- 5.41 Quick Dry Primer, Sealer And Undercoater:** A primer, sealer or undercoater that is dry to the touch in 30 minutes and can be recoated in 2 hours when tested in accordance with ASTM Designation 1640-95, incorporated by reference in Section 8.2.4.6 of this Rule.
- 5.42 Recycled Coating:** An architectural coating formulated such that not less than 50 percent of the total weight consists of secondary and post-consumer coating, with not less than 10 percent of the total weight consisting of post-consumer coating.
- 5.43 Residential:** Areas where people reside or lodge, including, but not limited to, single and multiple family dwellings, condominiums, mobile homes, apartment complexes, motels, and hotels.
- 5.44 Roof Coating:** A non-bituminous coating labeled and formulated exclusively for application to roofs for the primary purpose of preventing penetration of the substrate by water or reflecting heat and ultraviolet radiation. Metallic pigmented roof coatings which qualify as Metallic Pigmented Coating shall not be considered to be in this category, but shall be considered to be in the Metallic Pigmented Coating category.
- 5.45 Rust Preventative Coating:** A coating formulated for non-industrial use to prevent the corrosion of metal surfaces and labeled as specified in Section 7.1.6 of this Rule.
- 5.46 Sanding Sealer:** A clear or semi-transparent wood coating labeled and formulated for application to bare wood to seal the wood and to provide a coat that can be abraded to create a smooth surface for subsequent applications of coatings. A sanding sealer that also meets the definition of a lacquer is not included in this category, but is included in the lacquer category.

- 5.47 Sealer:** A coating labeled and formulated for application to a substrate for one or more of the following purposes: to prevent subsequent coatings from being absorbed by the substrate, or to prevent harm to subsequent coatings by materials in the substrate.
- 5.48 Secondary Coating (Rework):** A fragment of a finished coating or a finished coating from a manufacturing process that has converted resources into a commodity of real economic value, but does not include excess virgin resources of the manufacturing process.
- 5.49 Shellac:** A clear or opaque coating formulated solely with the resinous secretions of the lac beetle (*Laccifer lacca*), thinned with alcohol, and formulated to dry by evaporation without a chemical reaction.
- 5.50 Shop Application:** Application of a coating to a product or a component of a product in or on the premises of a factory or a shop as part of a manufacturing, production, or repairing process (e.g., original equipment manufacturing coatings).
- 5.51 Solicit:** To require for use or to specify, by written or oral contract.
- 5.52 Specialty Primer, Sealer And Undercoater:** A coating labeled as specified in Section 7.1.7 of this Rule and that is formulated for application to a substrate to seal fire, smoke or water damage; to condition excessively chalky surfaces, or to block stains. An excessively chalky surface is one that is defined as having a chalk rating of four or less as determined by ASTM Designation D 4214-98, incorporated by reference in Section 8.2.4.7 of this Rule.
- 5.53 Stain:** A clear, semitransparent, or opaque coating labeled and formulated to change the color of a surface but not conceal the grain pattern or texture.
- 5.54 Swimming Pool Coating:** A coating labeled and formulated to coat the interior of swimming pools and to resist swimming pool chemicals.
- 5.55 Swimming Pool Repair And Maintenance Coating:** A rubber based coating labeled and formulated to be used over existing rubber based coatings for the repair and maintenance of swimming pools.
- 5.56 Temperature-Indicator Safety Coating:** A coating labeled and formulated as a color-changing indicator coating for the purpose of monitoring the temperature and safety of the substrate, underlying piping, or underlying equipment, and for application to substrates exposed continuously or intermittently to temperatures above 204°C (400°F).

- 5.57 Tint Base:** An architectural coating to which colorant is added after packaging in sale units to produce a desired color.
- 5.58 Traffic Marking Coating:** A coating labeled and formulated for marking and stripping streets, highways, or other traffic surfaces including, but not limited to, curbs, berms, driveways, parking lots, sidewalks, and airport runways.
- 5.59 Undercoater:** A coating labeled and formulated to provide a smooth surface for subsequent coats.
- 5.60 Varnish:** A clear or semi-transparent wood coating, excluding lacquers and shellacs, formulated to dry by chemical reaction on exposure to air. Varnishes may contain small amounts of pigment to color a surface, or to control the final sheen or gloss of the finish.
- 5.61 Volatile Organic Compound (VOC):** Any compound containing at least one atom of carbon, excluding any exempt compound as identified in Rule 101 *Definitions*.
- 5.62 VOC Content:** The weight of VOC per volume of coating, calculated according to the procedures specified in Section 7.2 of this Rule.
- 5.63 Waterproofing Sealer:** A coating labeled and formulated for application to a porous substrate for the primary purpose of preventing the penetration of water.
- 5.64 Waterproofing Concrete/Masonry Sealer:** A clear or pigmented film-forming coating that is labeled and formulated for sealing concrete and masonry to provide resistance against water, alkalis, acids, ultraviolet light, and staining.
- 5.65 Wood Preservative:** A coating labeled and formulated to protect exposed wood from decay or insect attack, that is registered with both the EPA under the Federal Insecticide, Fungicide, and Rodenticide Act (7 United States Code (U.S.C.) Section 136, *et seq.*) and with the California Department of Pesticide Regulation.)

6 REQUIREMENTS

- 6.1 VOC CONTENT LIMITS:** Except as provided in Sections 6.2, 6.3, 6.8, and 6.9 below, no person shall: (i) manufacture, blend, or repackage for sale within the District; (ii) supply, sell, or offer for sale within the District; or (iii) solicit for application or apply within the District, any architectural coating with a VOC content in excess of the corresponding limit specified in the following table. Limits are expressed in grams of VOC per liter of coating

thinned to the manufacturer's maximum recommendation, excluding the volume of any water, exempt compounds, or colorant added to the tint bases. "Manufacturer's maximum recommendation" means the maximum recommendation for thinning that is indicated on the label or lid of the coating container.

Coating Category	Effective 8/1/2002	Effective 1/1/2003	Effective 1/1/2004
Flat Coatings	250	100	
Nonflat coatings	380	150	
Nonflat – High Gloss	380	250	
Specialty Coatings:			
Antenna Coatings	530		
Antifouling Coatings	450	400	
Bituminous Roof Coatings	500	300	
Bituminous Roof Primers	500	350	
Bond Breakers	Exempt	350	
Clear Wood Coatings:			
Clear Brushing Lacquer	800	680	
Lacquers (including lacquer sanding sealers)	800	550	
Sanding Sealers (other than lacquer sanding sealers)	550	350	
Varnishes	650	350	
Concrete Curing Compounds	800	350	
Dry Fog Coatings	Exempt	400	
Faux Finishing Coatings	700	350	
Fire Resistive Coatings	450	350	
Fire Retardant Coatings:			
Clear	Exempt	650	
Opaque	Exempt	350	
Floor Coatings	400	250	
Flow Coatings	650	420	
Form-Release Compounds	450	250	
Graphic Arts Coatings (Sign Paints)	Exempt	500	
High Temperature Coatings	650	420	
Industrial Maintenance Coatings	800	450	250
Low Solids Coatings	120		
Magnesite Cement	600	450	

Coatings			
Mastic Texture Coatings	Exempt	300	
Metallic Pigmented Coatings	Exempt	500	
Multi-Color Coatings	Exempt	250	
Coating Category (cont.)	Effective 8/1/2002	Effective 1/1/2003	Effective 1/1/2004
Pre-Treatment Wash Primers	780	420	
Primers, Sealers, and Undercoaters	550	200	
Quick-Dry Enamels	650	250	
Quick-Dry Primers, Sealers, Undercoaters	Exempt	200	
Recycled Coatings	250		
Roof Coatings	500	250	
Rust Preventative Coatings	400		
Shellacs:			
Clear	Exempt	730	
Opaque	Exempt	550	
Specialty Primers, Sealers and Undercoaters	550	350	
Stains	650	250	
Swimming Pool Coatings	Exempt	340	
Swimming Pool Repair and Maintenance Coatings	Exempt	340	
Temperature-Indicator Safety Coatings	800	550	
Traffic Marking Coatings	250	150	
Waterproofing Sealers	800	250	
Waterproofing Concrete/Masonry Sealers	800	400	
Wood Preservatives	650	350	
¹ The specified limits remain in effect unless revised limits are listed in subsequent columns in the table. ² Units are grams of VOC per liter or coating, including water and exempt compounds. Conversion factor: one pound VOC per gallon (U.S.) = 119.95 grams VOC per liter			

- 6.2 Most Restrictive VOC Limits:** If anywhere on the container of any architectural coating or any label or sticker affixed to the container, or in any sales, advertising, or technical literature supplied by a manufacturer or anyone acting on their behalf, any representation is made that indicates that the coating meets the definition of or is recommended for use for more than one of the coating categories listed in the table in Section 6.1 above, then the most restrictive VOC content limit shall apply. This provision does not apply to the coating categories specified below:

Lacquer coatings (including lacquer sanding sealers)
Metallic pigmented coatings
Shellacs
Fire-retardant coatings
Pretreatment wash primers
Industrial maintenance coatings
Low-solids coatings
Wood preservatives
High temperature coatings
Temperature-indicator safety coatings
Antenna coatings
Antifouling coatings
Flow coatings
Bituminous roof primers
Specialty primers, sealers, and undercoaters

6.3 Sell-Through Of Coatings:

6.3.1 A coating manufactured prior to the January 1, 2003 or January 1, 2004 effective date specified for that coating in the table in Section 6.1 may be sold, supplied, or offered for sale for up to three years after the specified effective date. In addition, a coating manufactured before the effective date specified for that coating in the table in Section 6.1 may be applied at any time, both before and after the specified effective date, so long as the coating complied with the standards in effect at the time the coating was manufactured. Section 6.3 does not apply to any coating that complies with the future effective January 1, 2003 or January 1, 2004 limits or that does not display the date or date-code required by Section 7.1.1 of this Rule.

6.3.2 A coating included in an approved Averaging Program specified in Section 9.2 of this Rule that does not comply with the specified limit in the table in Section 6.1 of this Rule may be sold, supplied, or offered for sale for up to three years after the end of the compliance period specified in the approved Averaging Program. In addition, such a coating may be applied at any time, both during and after the compliance period. This Section does not apply to any coating that does not display on the container either the statement: "This product is subject to architectural coatings averaging provisions in California" or a substitute symbol specified by the Executive Officer of the California Air Resources Board (CARB). This Section shall remain in effect until January 1, 2008.

6.4 Painting Practices: All architectural coating containers used to apply the contents therein to a surface directly from the container by pouring, siphoning, brushing, rolling, padding, ragging or other means, shall be closed when not in use. These architectural coating containers include, but are not

limited to, drums, buckets, cans, pails, trays or other application containers. Containers of any VOC-containing materials used for thinning and cleanup shall also be closed when not in use.

- 6.5 Thinning:** No person who applies or solicits the application of any architectural coating shall apply a coating that is thinned to exceed the applicable VOC limit specified in the table in Section 6.1 of this Rule.
- 6.6 Rust Preventative Coatings:** Effective January 1, 2004, a person shall only apply or solicit the application of any rust preventative coating for nonindustrial use, unless such a rust preventative coating complies with the industrial maintenance VOC limit specified in the table in Section 6.1 of this Rule.
- 6.7 Coatings Not Listed In Section 6.1 of this Rule:** For any coating that does not meet any of the definitions for the specialty coatings categories listed in the table in Section 6.1, the VOC content limit shall be determined by classifying the coating as a flat coating or a nonflat coating, based on its gloss, as defined in Section 5.21, 5.34 and 5.35 of this Rule and the corresponding flat or nonflat VOC limit shall apply.
- 6.8 Lacquers:** Notwithstanding the provisions of Sections 6.1 and 6.5 above, a person or facility may add up to 10 percent by volume of VOC to a lacquer to avoid blushing of the finish during days with relative humidity greater than 70 percent and temperature below 65 degrees Fahrenheit, at the time of application, provided that the coating contains acetone and no more than 550 grams of VOC per liter of coating, less water and exempt compounds, prior to the addition of VOC.
- 6.9 Averaging Compliance Option:** On or after January 1, 2003, in lieu of compliance with the specified limits in the table in Section 6.1 of this Rule for floor coatings; industrial maintenance coatings; primers, sealers, and undercoaters; quick-dry primers, sealers, and undercoaters; quick-dry enamels; roof coatings; bituminous roof coatings; rust preventative coatings; stains; waterproofing sealers, as well as flats and nonflats (excluding recycled coatings), manufacturers may average designated coatings such that their actual cumulative emissions from the averaged coatings are less than or equal to the cumulative emissions that would have been allowed under those limits over a compliance period not to exceed one year. Such manufacturers must also comply with the averaging provisions contained in Section 9 of this Rule, as well as maintain and make available for inspection records for at least three years after the end of the compliance period. This Section 6.9 above and Section 9 shall cease to be effective on January 1, 2005, after which averaging will no longer be allowed.

7 ADMINISTRATIVE REQUIREMENTS

- 7.1 Container Labeling Requirements:** Each manufacturer of any architectural coating subject to this Rule shall display the information listed in Sections 7.1.1 through 7.1.9 below on the coating container (or label) in which the coating is sold or distributed.
- 7.1.1 Date Code:** The date the coating was manufactured, or a date code representing the date, shall be indicated on the label, lid, or bottom of the container. If the manufacturer uses a date code for any coating, the manufacturer shall file an explanation of each code with the CARB Executive Officer.
- 7.1.2 Thinning Recommendations:** A statement of the manufacturer's recommendation regarding thinning of the coating shall be indicated on the label or lid of the container. This requirement does not apply to the thinning of architectural coatings with water. If thinning of the coating prior to use is not necessary, the recommendation must specify that the coating is to be applied without thinning.
- 7.1.3 VOC Content:** Each container of any coating subject to this Rule shall display either the maximum or the actual VOC content of the coating, as supplied, including the maximum thinning as recommended by the manufacturer. VOC content shall be displayed as grams of VOC per liter of coating. VOC content displayed shall be calculated using product formulation data, or shall be determined using the test method in Section 8.2 of this Rule. The equations in Section 7.2 of this Rule shall be used to calculate VOC content.
- 7.1.4 Industrial Maintenance Coatings:** In addition to the information specified in Sections 7.1.1, 7.1.2 and 7.1.3 above, each manufacturer of any industrial maintenance coating subject to this Rule shall display on the label or lid of the container in which the coating is sold or distributed one or more of the descriptions listed in Sections 7.1.4.1. through 7.1.4.3 below:
- 7.1.4.1** "For industrial use only."
7.1.4.2 "For professional use only."
7.1.4.3 "Not for residential use" or "Not intended for residential use."
- 7.1.5 Clear Brushing Lacquers:** Effective January 1, 2003, the labels of all clear brushing lacquers shall prominently display the statements "For brush application only," and "This product must not be thinned or sprayed."
- 7.1.6 Rust Preventative Coatings:** Effective January 1, 2003, the labels of all rust preventative coatings shall prominently display the statement "For Metal Substrates Only."
- 7.1.7 Specialty Primers, Sealers and Undercoaters:** Effective January 1, 2003, the labels of all specialty primers, sealers, and undercoaters shall prominently display one or more of the descriptions listed in

Sections 7.1.7.1 through 7.1.7.5 below:

7.1.7.1 For blocking stains.

7.1.7.2 For fire-damaged substrates.

7.1.7.3 For smoke-damaged substrates.

7.1.7.4 For water-damaged substrates.

7.1.7.5 For excessively chalky substrates.

7.1.8 Quick-Dry Enamels: Effective January 1, 2003, the labels of all quick dry enamels shall prominently display the words "Quick Dry" and the dry hard time.

7.1.9 NonFlat-High Gloss Coatings: Effective January 1, 2003, the labels of all nonflat-high gloss coatings shall prominently display the words "High Gloss."

7.2 Calculation Of VOC Content: For the purpose of determining compliance with the VOC content limits in the table in Section 6.1 of this Rule, the VOC content of a coating shall be determined by using the procedures described in Sections 7.2.1 or 7.2.2 below, as appropriate. The VOC content of a tint base shall be determined without colorant that is added after the tint base is manufactured,

7.2.1 With the exception of low solids coatings, determine the VOC content in grams of VOC per liter of coating thinned to the manufacturer's maximum recommendation, excluding the volume of any water and exempt compounds. Determine the VOC content using the following equation:

$$\text{VOC Content} = (W_s - W_w - W_{ec}) / (V_m - V_w - V_{ec})$$

Where: VOC content = grams of VOC per liter of coating

W_s = weight of all volatiles, in grams

W_w = weight of water, in grams

W_{ec} = weight of exempt compounds, in grams

V_m = volume of coating, in liters

V_w = volume of water, in liters

V_{ec} = volume of exempt compounds, in liters

7.2.2 For low solids coatings, determine the VOC content in units of grams of VOC per liter of coating thinned to the manufacturer's maximum recommendation, including the volume of any water and exempt compounds. Determine the VOC content using the following equation:

$$\text{VOC Content}_{ls} = (W_s - W_w - W_{ec}) / (V_m)$$

Where: VOC content_{ls} = the VOC content of a low solids coating in grams of VOC per liter of coating

W_s = weight of all volatiles, in grams

- W_w = weight of water, in grams
 W_{ec} = weight of exempt compounds, in grams
 V_m = volume of coating, in liters

8 MONITORING AND RECORDS

8.1 Reporting Requirements

- 8.1.1 Clear Brushing Lacquers:** Each manufacturer of clear brushing lacquers shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the CARB Executive Officer. The report shall specify the number of gallons of clear brushing lacquers sold in California during the preceding calendar year, and shall describe the method used by the manufacturer to calculate State sales.
- 8.1.2 Rust Preventative Coatings:** Each manufacturer of rust preventative coatings shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the CARB Executive Officer. The report shall specify the number of gallons of rust preventative coatings sold in California during the preceding calendar year, and shall describe the method used by the manufacturer to calculate State sales.
- 8.1.3 Specialty Primers, Sealers, and Undercoaters:** Each manufacturer of specialty primers, sealers, and undercoaters shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the CARB Executive Officer. The report shall specify the number of gallons of specialty primers, sealers, and undercoaters sold in California during the preceding calendar year, and shall describe the method used by the manufacturer to calculate State sales.
- 8.1.4 Toxic Exempt Compounds:** For each architectural coating that contains perchloroethylene or methylene chloride, the manufacturer shall, on or before April 1 of each calendar year beginning in the year 2004, report to the CARB Executive Officer the following information for products sold in California during the preceding year:
- 8.1.4.1** the product brand name and a copy of the product label with legible usage instructions;
 - 8.1.4.2** the product category listed in the table in Section 6.1 of this Rule to which the coating belongs;
 - 8.4.1.3** the total sales in California during the calendar year to the nearest gallon;
 - 8.1.4.4** the volume percent, to the nearest 0.10 percent, of perchloroethylene and methylene chloride in the coating.

8.1.5 Recycled Coating: Manufacturers of recycled coatings must submit a letter to the CARB Executive Officer certifying their status as a Recycled Paint Manufacturer. The manufacturer shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the CARB Executive Officer. The report shall include, for all recycled coatings, the total number of gallons distributed in California during the preceding year, and shall describe the method used by the manufacturer to calculate California's distribution.

8.1.6 Bituminous Coatings: Each manufacturer of bituminous roof coatings or bituminous roof primers shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the CARB Executive Officer. The report shall specify the number of gallons of bituminous roof coatings or bituminous roof primers sold in California during the preceding calendar year, and shall describe the method used by the manufacturer to calculate California's sales.

8.2 Testing Procedure

8.2.1 VOC Content: To determine the physical properties of a coating in order to perform the calculation in Section 7.2 of this Rule, the reference method for VOC content is EPA Method 24, incorporated by reference in Section 8.2.4.11 of this Rule, except as provided in Sections 8.2.2 and 8.2.3 below. An alternative method to determine the VOC content of coatings is South Coast Air Quality Management District Method 304-91 (Revised February 1996), incorporated by reference in Section 8.2.4 of this Rule. The exempt compounds content shall be determined by South Coast Air Quality Management District Method 303-91 (Revised August 1996), incorporated by reference in Section 8.2.4.10 of this Rule. To determine the VOC content of a coating, the manufacturer may use EPA Method 24, or an alternative method as provided in Section 8.2.2 below, formulation data, or any other reasonable means for predicting that the coating has been formulated as intended (e.g. quality assurance checks, recordkeeping). However, if there are any inconsistencies between the results of an EPA Method 24 test and any other means for determining VOC content, the EPA Method 24 test results will govern, except when an alternative method is approved as specified in Section 8.2.2 below. The District Air Pollution Control Officer may require the manufacturer to conduct an EPA Method 24 analysis.

8.2.2 Alternative Test Method: Other test methods demonstrated to provide results that are acceptable for purposes of determining compliance with Section 8.2.1 above, after review and approved in writing by the staffs of the District, CARB and EPA, may also be used.

- 8.2.3 Methacrylate Traffic Marking Coatings:** Analysis of methacrylate multicomponent coatings used as traffic marking coatings shall be conducted according to a modification of EPA Method 24 (40 CFR 59, subpart D, Appendix A), incorporated by reference in Section 8.2.4.13 of this Rule. This method has not been approved for methacrylate multicomponent coatings used for purposes other than as traffic marking coatings or for other classes of multicomponent coatings.
- 8.2.4 Test Methods:** The following test methods are incorporated by reference herein, and shall be used to test coatings subject to provisions of this Rule:
- 8.2.4.1 Flame Spread Index:** The flame spread index of a fire-retardant coating shall be determined by ASTM Designation E 84-99, "Standard Test Method for Surface Burning Characteristics of Building Materials," (see Section 5.20 of this Rule, Fire-Retardant Coating).
- 8.2.4.2 Fire Resistance Rating:** The fire resistance rating of a fire-resistive coating shall be determined by ASTM Designation E 119-98, "Standard Test Methods for Fire Tests of Building Construction Materials," (see Section 5.19 of this Rule, Fire-Resistive Coating).
- 8.2.4.3 Gloss Determination:** The gloss of a coating shall be determined by ASTM Designation D 523-89 (1999), "Standard Test Method for Specular Gloss," (see Section 5.21, 5.34, 5.35 and 5.40 of this Rule, Flat Coating, Nonflat Coating, Nonflat-High Gloss Coating, and Quick-Dry Enamels).
- 8.2.4.4 Metal Content of Coatings:** The metallic content of a coating shall be determined by South Coast Air Quality Management District Method 318-95, "Determination of Weight Percent Elemental Metal in Coatings by X-Ray Diffraction," South Coast Air Quality Management District "Laboratory Methods of Analysis for Enforcement Samples," (see Section 5.32 of this Rule, Metallic Pigmented Coating).
- 8.2.4.5 Acid Content of Coatings:** The acid content of a coating shall be determined by ASTM Designation D 1613-96, "Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer, and Related Products," (see Section 5.38 of this Rule, Pre-Treatment Wash Primers).
- 8.2.4.6 Drying Times:** The set-to-touch, dry-hard, dry-to-touch, and dry-to-recoat times of a coating shall be determined by ASTM Designation D 1640-95, "Standard Test Methods for Drying, Curing, or Film

Formation of Organic Coatings at Room Temperature, “ (see Section 5.40 and 5.41 of this Rule, Quick-Dry Enamel and Quick-Dry Primer, Sealer, and Undercoater). The tack-free time of a quick-dry enamel coating shall be determined by the Mechanical Test Method of ASTM Designation D 1640-95.

8.2.4.7 Surface Chalkiness: The chalkiness of a surface shall be determined using ASTM Designation D 4214-98, “Standard Test Methods for Evaluating the Degree of Chalking of Exterior Paint Films,” (see Section 5.52 of this Rule, Specialty Primer, Sealer, and Undercoater).

8.2.4.8 Exempt Compounds – Siloxanes: Exempt compounds that are cyclic, branched, or linear completely methylated siloxanes, shall be analyzed as exempt compounds for compliance with Section 8.2 of this Rule by Bay Area Air Quality Management District Method 43, “Determination of Volatile Methylsiloxanes in Solvent-Based Coatings, Inks, and Related Materials,” Bay Area Air Quality Management District Manual of Procedures, Volume III, adopted 11/6/96, (see Section 5.61 of this Rule, Volatile Organic Compounds and Section 8.2.1 of this Rule).

8.2.4.9 Exempt Compounds – Parachlorobenzotrifluoride (PCBTF): The exempt compound parachlorobenzotrifluoride, shall be analyzed as an exempt compound for compliance with Section 8.2 of this Rule by Bay Area Air Quality Management District Method 41, “Determination of Volatile Organic Compounds in Solvent-Based Coatings and Related Materials Containing Parachlorobenzotrifluoride, Bay Area Air Quality Management District Manual of Procedures, Volume III, adopted 12/20/95, (see Section 5.61 of this Rule, Volatile Organic Compound and Section 8.2.1 of this Rule).

8.2.4.10 Exempt Compounds: For the purposes of this Rule, “exempt compound has the same meaning as in Rule 101 Definitions. The content of compounds exempt under EPA Method 24 shall be analyzed by South Coast Air Quality Management District Method 303-91 (Revised August 1996), “Determination of Exempt Compounds,” South Coast Air Quality Management District “Laboratory Methods of Analysis for Enforcement Samples”, (see Section 5.61 of this Rule, Volatile Organic Compound and Section 8.2.1 of this Rule).

- 8.2.4.11 VOC Content of Coatings:** The VOC content of a coating shall be determined by EPA Method 24 as it exists in appendix A of 40 Code of Federal Regulations (CFR) part 60, “Determination of Volatile Matter Content, Water Content, Density, Volume Solids, and Weight Solids of Surface Coatings,” (see Section 8.2.1 of this Rule.)
- 8.2.4.12 Alternative VOC Content of Coatings:** The VOC content of coatings may be analyzed either by EPA Method 24 or South Coast Air Quality Management District Method 304-91 (Revised 1996), “Determination of Volatile Organic Compounds (VOC) in Various Materials,” South Coast Air Quality Management District “Laboratory Methods of Analysis for Enforcement Samples,” (see Section 8.2.1 of this Rule)
- 8.2.4.13 Methacrylate Traffic Marking Coatings:** The VOC content of methacrylate multicomponent coatings used as traffic marking coatings shall be analyzed by the procedures in 40 CFR part 59, subpart D, appendix A, “Determination of Volatile Matter Content of Methacrylate Multicomponent Coatings Used as Traffic Marking Coatings,” (September 11, 1998), (see Section 8.2.1 of this Rule).

9 AVERAGING PROVISION

- 9.1 Averaging Emissions:** The manufacturer shall demonstrate that actual emissions from the coatings being averaged are less than or equal to the allowable emissions, for the specified compliance period using the following equation:

$$\frac{\sum_{i=1}^n G_i M_i}{\sum_{i=1}^n G_i V_i L_i} \leq$$

Where:

$$\sum_{i=1}^n G_i M_i = \text{Actual Emissions}$$

$$\sum_{i=1}^n G_i V_i L_i = \text{Allowable Emissions}$$

G_i = Total Gallons of Product (i) subject to Averaging;

M_i = Material VOC Content of Product (I), in pounds per gallon;

$$M_i = \frac{W_s - W_w - W_{ec}}{V_m}$$

V_i = Percent by Volume Solids and VOC in Product (i);

$$V_i = \frac{V_m - V_w - V_{ec}}{V_m}$$

Where: W_s , W_w , W_{ec} , V_m , V_w , and V_{ec} are defined in Section 7.2 of this Rule, except that in this Section weights are in pounds and volumes are in gallons.

For Non-Zero VOC Coatings:

$$V_i = \frac{\text{Material VOC (also known as VOC Actual)}}{\text{Coating VOC (also known as VOC Regulatory)}}$$

$$\text{Where: Coating VOC} = \frac{W_s - W_w - W_{ec}}{V_m - V_w - V_{ec}}$$

For Zero VOC Coatings:

V_i = Percent Solids by Volume
 L_i = Regulatory VOC Content Limit for Product (I), in pounds per gallon (as listed in the table in Section 6.1 of this Rule.)

The averaging is limited to coatings that are designated by the manufacturer. Any coating not designated in the averaging Program shall comply with the VOC limit in the table in Section 6.1. The manufacturer shall not include any quantity of coatings that it knows or should have known will not be used in California, if statewide coatings data are used. If district-specific coatings data are used, the manufacturer shall not include any quantity of coatings that it knows or should have known will not be used in the District.

9.1.1 In addition to the requirements specified in Section 9.1 above, manufacturers shall not include in an Averaging Program any coating with a VOC content in excess of the following maximum VOC content, for the applicable categories.

<p>Averaging Categories and VOC Ceiling (Maximum VOC Allowed)</p>
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Category	Rule VOC Limit (In effect or effective 1/1/2003 or 1/1/2004)	Averaging VOC Ceiling (Maximum)
Flat Coating	100	250
Nonflat Coating	150	250
Floor Coatings	250	400
Industrial Maintenance Coatings	250	420
Primers, Sealers, and Undercoaters	200	350
Quick-Dry Primers, Sealers, and Undercoaters	200	450
Quick-Dry Enamels	250	400
Roof Coatings	250	250
Bituminous Roof Coatings	300	300
Rust Preventative Coatings	400	400
Stains	250	350
Waterproofing Sealers	250	400

- 9.2 Averaging Program (Program):** At least six months prior to the start of the compliance period, manufacturers shall submit an Averaging Program to the CARB Executive Officer. As used in this Section 9, “Executive Officer” means the Executive Officer of the California Air Resources Board. Averaging may not be implemented until the Program is approved in writing by the Executive Officer.

Within 45 days of submittal of a complete Program, the Executive Officer shall either approve or disapprove the Program. The Program applicant and the Executive Officer may agree to an extension of time for the Executive Officer to take action on the Program.

- 9.3 General Requirements:** The Program shall include all necessary information for the Executive Officer to make a determination as to whether the manufacturer may comply with the averaging requirements over the specified compliance period in an enforceable manner. Such information shall include, but is not limited to, the following:

9.3.1 An identification of the contact persons, telephone numbers, and name of the manufacturer who is submitting the Program.

9.3.2 An identification of each coating that has been selected by the manufacturer for inclusion in this program that exceeds the applicable VOC limit in the table in Section 6.1 of this Rule, its VOC content specified in units of both VOC actual and VOC regulatory, and the designation of the coating category.

- 9.3.3** A detailed demonstration showing that the projected actual emissions will not exceed the allowable emissions for a single compliance period that the Program will be in effect. In addition, the demonstration shall include VOC content information for each coating that is below the compliance limit in the table in Section 6.1 of this Rule. The demonstration shall use the equation specified in Section 9.1 of this Rule for projecting the actual emissions and allowable emissions during each compliance period. The demonstration shall also include all VOC content levels and projected volume sold within the State for each coating listed in the Program during each compliance period. The requested data can be summarized in a matrix form.
- 9.3.4** A specification of the compliance period(s) and applicable reporting dates. The length of the compliance period shall not be more than one year or less than six months.
- 9.3.5** An identification and description of all records to be made available to the Executive Officer upon request, if different than those identified under Section 9.3.6 below.
- 9.3.6** An identification and description of specific records to be used in calculating emissions for the Program and subsequent reporting, and a detailed explanation as to how those records will be used by the manufacturer to verify compliance with the averaging requirements.
- 9.3.7** A statement, signed by a responsible party for the manufacturer, that all information submitted is true and correct, and that records will be made available to the Executive Officer upon request.

9.4 REPORTING REQUIREMENTS

- 9.4.1 Mid-Term Report:** For every single compliance period, the manufacturer shall submit a mid-term report listing all coatings subject to averaging during the first half of the compliance period, detailed analysis of the actual and allowable emissions at the end of the mid-term, and an explanation as to how the manufacturer intends to achieve compliance by the end of the compliance period. The report shall be signed by the responsible party for the manufacturer, attesting that all information submitted is true and correct. The mid-term report shall be submitted within 45 days after the midway date of the compliance period. A manufacturer may request, in writing, an extension of up to 15 days for submittal of the mid-term report.
- 9.4.2 End of Compliance Period/Termination of Program Report:** Within 60 days after the end of the compliance period or upon termination of the Program, whichever is sooner, the manufacturer shall submit to the Executive Officer a report listing all coatings subject to averaging during the compliance period, providing a detailed demonstration of the balance between the actual and

allowable emissions for the compliance period, any identification and description of specific records used by the manufacturer to verify compliance with the averaging requirement, and any other information requested by the Executive Officer to determine whether the manufacturer complied with the averaging requirements over the specified compliance period. The report shall be signed by the responsible party for the manufacturer, attesting that all information submitted is true and correct, and that records will be made available to the Executive Officer upon request. A manufacturer may request, in writing, an extension of up to 30 days for submittal of the final report.

9.5 Renewal Of A Program: A Program automatically expires at the end of the compliance period. The manufacturer may request a renewal of the Program by submitting a renewal request that shall include an updated Program, meeting all applicable Program requirements. The renewal request will be considered conditionally approved until the Executive Officer makes a final decision to deny or approve the renewal request based on a determination of whether the manufacturer is likely to comply with the averaging requirements. The Executive Officer shall base such determination on all available information, including but not limited to, the mid-term and the final reports of the preceding compliance period. The Executive Officer shall make a decision to deny or approve a renewal request no later than 45 days from the date of the final report submittal, unless the manufacturer and the Executive Officer agree to an extension of time for the Executive Officer to take action on the renewal request.

9.6 Modification Of A Program: A manufacturer may request a modification of the Program at any time prior to the end of the compliance period. The Executive Officer shall take action to approve or disapprove the modification request no longer than 45 days from the date of its submittal. No modification of the compliance period shall be allowed. A Program need not be modified to specify additional coatings to be averaged that are below the applicable VOC limits.

9.7 Termination Of A Program

9.7.1 A manufacturer may terminate its Program at any time by filing a written notification to the Executive Officer. The filing date shall be considered the effective date of the termination, and all other provisions of this Rule including the VOC limits shall immediately thereafter apply. The manufacturer shall also submit a final report 60 days after the termination date. Any exceedance of the actual emissions over the allowable emissions over the period that the Program was in effect shall constitute a separate violation for each day of the entire compliance period.

9.7.2 The Executive Officer may terminate a Program if any of the

following circumstances occur:

- 9.7.2.1** The manufacturer violates the requirements of the approved Program, and at the end of the compliance period, the actual emissions exceed the allowable emissions.
 - 9.7.2.2** The manufacturer demonstrates a recurring pattern of violations and has consistently failed to take the necessary steps to correct those violations.

- 9.8 Change In VOC Limits:** If the VOC limits of a coating listed in the Program are amended such that its effective date is less than one year from the date of adoption, the affected manufacturer may base its averaging on the prior limits of that coating until the end of the compliance period immediately following the date of adoption.

- 9.9 Labeling:** Each container of any coating that is included in averaging program, and that exceeds the applicable VOC limit in the table in Section 6.1 of this Rule shall display the following statement: "This product is subject to architectural coatings averaging provisions in California." A symbol specified by the Executive Officer may be used as a substitute.

- 9.10 Violations:** The exceedance of the allowable emissions for any compliance period shall constitute a separate violation for each day of the compliance period. However, any violation of the requirements of the Averaging Provision of this Rule, which the violator can demonstrate, to the Executive Officer, did not cause or allow the emission of an air contaminant and was not the result of negligent or knowing activity may be considered a minor violation.

- 9.9 Sunset Of Averaging Provision:** The averaging provision set forth in this Section 9 shall cease to be effective on January 1, 2005, after which averaging will no longer be allowed.

Rule 231 Cutback and Emulsified Asphalt

RULE 231 CONTENTS

1. PURPOSE
2. DEFINITIONS
3. REQUIREMENTS
4. EXEMPTION
5. RECORDKEEPING

RULE 231

1 PURPOSE: The purpose of this Rule is to limit emissions of volatile organic compounds (VOCs) from the use of cutback and emulsified asphalt in paving, construction, or maintenance of parking lots, driveways, streets, and highways.

2 DEFINITIONS: For the purposes of this Rule, the following definitions shall apply:

2.1 Asphalt means a brownish-black cementitious material (solid, semi-solid, or liquid mixture) of which the main constituents are bitumens which occur naturally or are obtained by distillation from coal or petroleum.

2.2 Cutback asphalt means paving-grade asphalt liquified with petroleum distillate and as further defined by American Society for Testing and Materials (ASTM) specifications as follows:

Rapid Cure Type	ASTM Method D-2028
Medium Cure Type	ASTM Method D-2027
Slow Cure Type	ASTM Method D-2026

2.3 Emulsified asphalt means rapid-, medium- or slow-setting grade as described under Section 94 of the January 1981 State of California Department of Transportation Standard Specifications.

2.4 Emergency Road Maintenance means road maintenance activities required for traffic safety considerations requiring immediate response and of a nature that the maintenance cannot be rescheduled.

2.5 Volatile Organic Compounds means any compound as defined in District Rule 101 – *Definitions*.

3 REQUIREMENTS

3.1 Cutback Asphalt: A person shall not sell, offer for sale, use or apply for paving, construction or maintenance of parking lots, driveways, streets, or highways any:

3.1.1 rapid or medium cure cutback asphalt;

3.1.2 slow cure cutback asphalt containing more than 0.5 percent by volume of VOCs which evaporate at 260°C (500°F) or less.

3.2 Emulsified Asphalt: A person shall not sell, offer for sale, use or apply for paving, construction or maintenance of parking lots, driveways, streets, or highways any emulsified asphalt material containing more than 3.0 percent by volume of VOCs which evaporate at 260°C (500°F) or less.

3.3 Test Methods:

- 3.3.1** Measurement of VOC content in cutback asphalt pursuant to Section 3.1 of this Rule shall be conducted and reported in accordance with ASTM Test Method D-402-76.
- 3.3.2** Measurement of VOC content in emulsified asphalts pursuant to Section 3.2 of this Rule shall be conducted and recorded in accordance with ASTM Test Method D-244-89.
- 3.3.3** Measurement of exempt compound content (compounds not included in the VOC definition) in cutback and emulsified asphalts pursuant to Sections 3.1 and 3.2 of this Rule shall be conducted and reported in accordance with ASTM Test Method D-4457-85.

4 EXEMPTIONS:

- 4.1** The provisions of this Rule shall not apply to the use of cutback and emulsified asphalt sold in the Sacramento Valley Air Basin (Basin) for shipment and use outside of the Basin, if cutback and emulsified asphalt is approved for use by the receiving District.
 - 4.2** Medium cure cutback asphalt for road patching work.
 - 4.3** Medium cure cutback asphalt when the National Weather Service forecasts that the atmospheric temperature for the 24-hour period following application will not exceed 50°F (10°C).
 - 4.4** Medium cure cutback asphalt at any elevation in the District from November 1st to May 1st each calendar year.
 - 4.5** Medium cure cutback asphalt above 1,000 feet in elevation year round.
 - 4.6** Medium cure cutback asphalt for emergency road maintenance at any elevation in the District year round.
- 5 RECORDKEEPING:** Any person who manufactures, sells, offers for sale, uses or applies any asphalt material subject to this Rule shall maintain a current record of all asphalt materials in use and Material Safety Data Sheets (MSDSs) or manufacturer specifications for each asphalt material containing sufficient information to readily determine compliance with Section 3 of this Rule, as applicable. These records shall be kept on site for at least three (3) years and be made available to the Colusa County Air Pollution Control District upon request.

Rule 252 Stationary Internal Combustion Engines

RULE 252 CONTENTS

1. PURPOSE
2. APPLICABILITY
3. EXEMPTIONS
4. DEFINITIONS
5. REQUIREMENTS
6. ADMINISTRATIVE REQUIREMENTS
7. COMPLIANCE TESTING
8. INITIAL COMPLIANCE SCHEDULE

RULE 252

- 1 PURPOSE:** To limit emissions of nitrogen oxides (NO_x) and carbon monoxide (CO) from stationary internal combustion engines.
- 2 APPLICABILITY:** The provisions of this Rule shall apply to any gaseous, diesel, or any other liquid-fueled stationary internal combustion engine within the boundaries of the Colusa County Air Pollution Control District (DISTRICT).
- 3 EXEMPTIONS:** Except for the administrative requirements of Section 6.4 of this Rule, the provisions of this Rule shall not apply to the following engines:
 - 3.1** Engines operated directly and exclusively for agricultural operations in the growing of crops or raising of fowl or animals if maintained to manufacturers specifications;
 - 3.2** Existing internal combustion engines to be permanently replaced with electric motors or removed from service by July 1, 2000, based on a permit condition, contract, or binding agreement with the District;
 - 3.3** Diesel internal combustion engines manufactured prior to 1950 and operated no more than 500 hours per year;
 - 3.4** Non-emergency engines operating less than 200 hours per calendar year for non-emergency purposes as determined by a non-resetting hour meter or emergency standby engine as approved by the APCO;
 - 3.5** Any engine rated by the manufacturer at 50 brake horsepower (bhp) or less, if maintained to manufacturers specifications;
 - 3.6** Gas turbine engines;
 - 3.7** Engines operated exclusively for fire fighting or flood control;
 - 3.8** Laboratory engines operated exclusively in research and testing; and,
 - 3.9** Portable internal combustion engines which have been registered under the State portable equipment regulation contained in California Health and Safety Code Sections 41750 through 41755.
- 4 DEFINITIONS**
 - 4.1 Emergency:** Any situation arising from sudden and reasonably unforeseeable natural disaster such as earthquake, flood, wildfire, or other act of God, or events beyond the control of the operator, employees, or contractors, or accidents which require the operation of internal combustion

engine(s) to provide primary mechanical or electrical power in its abatement or control.

- 4.2 Emergency Standby Engine:** Any internal combustion engine operated only during emergencies and for testing and maintenance. Testing and maintenance shall be limited to no more than 100 hours per year.
- 4.3 Lean-Burn Engine:** Any spark or compression ignited internal combustion engine that is operated with an exhaust gas stream oxygen concentration of 4% by volume, or greater. The exhaust gas oxygen content shall be determined from the uncontrolled exhaust gas stream.
- 4.4 Non-Emergency Engine:** An internal combustion engine that is not used for electrical power generation or any other engine as approved by the APCO that is not used in conjunction with any utility voluntary demand reduction program.
- 4.5 Rated Brake Horsepower:** The maximum rated brake horsepower (bhp) specified for the engine by the manufacturer and listed on the nameplate for the unit, regardless of any derating, unless limited by the engine's Permit to Operate (PTO).
- 4.6 Rich-Burn Engine:** Any spark or compression ignited internal combustion engine that is operated with an exhaust gas stream oxygen concentration of less than 4% by volume. The exhaust gas oxygen content shall be determined from the uncontrolled exhaust gas stream.
- 4.7 Stationary Internal Combustion Engine:** Any spark or compression ignited internal combustion engine, excluding emergency equipment, that is attached to a foundation, frame, or other support and is stationary while in operation, or is operated at a site for more than six (6) consecutive months, including:
- 4.7.1** Any engine, such as a back-up or standby engine, that replaces an engine at a location and is intended to perform the same function as the unit being replaced will be included in calculating the consecutive time period. In that case, the cumulative time of both emissions units, including the time between removal of the original unit and the installation of the replacement unit, would be counted toward the consecutive residence time period; or,
- 4.7.2** The engine remains or will remain at a location for less than six (6) consecutive months where such a period represents the full length of the normal operation of the engine at a stationary source, such as a seasonal source; or
- 4.7.3** The engine that is removed from one location for a period and then returned to the same location in an attempt to circumvent the residence time limit of six (6) months. The period during which the

emissions unit is maintained at a storage facility shall be excluded from determining the above residency requirement.

5 REQUIREMENTS

5.1 Emission Limitations: Any stationary internal combustion engine, other than those engines specified in Section 3 of this Rule, rated at greater than 50 bhp but less than or equal to 300 bhp shall not be operated in a manner that results in emissions exceeding the limits listed below:

5.1.1	Engine Type	NOx (ppmv)	CO (ppmv)
5.1.2	Rich Burn	640	4500
5.1.3	Lean Burn	740	4500
5.1.4	Diesel Fired	700	4500
5.1.5	All other liquid fired	700	4500

Ppmv = parts per million by volume corrected to 15% oxygen, dry basis
 NOx = oxides of nitrogen, calculated as equivalent NO₂
 CO = carbon monoxide

5.2 Emission Limitations: Any stationary internal combustion engine, other than those engines specified in Section 3, rated at greater than 300 bhp shall not be operated in a manner that results in emissions exceeding the limits listed below:

5.2.1	Engine Type	NOx (ppmv)	CO (ppmv)
5.2.2	Rich Burn	90	4500
5.2.3	Lean Burn	150	4500
5.2.4	Diesel Fired	700	4500
5.2.5	All other liquid fired	700	4500

Ppmv = parts per million by volume corrected to 15% oxygen, dry basis
 NOx = oxides of nitrogen, calculated as equivalent NO₂
 CO = carbon monoxide

5.3 Emission Limitations: Except for visible emissions from diesel pile-driving hammers and any diesel auxiliary engine or generator used exclusively to operate a drinking water system, no air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three (3) minutes in any one (1) hour which is as dark or darker than Ringelmann 1 or equivalent 20% opacity as determined by U. S. Environmental Protection Agency (EPA) Method 9. Diesel pile-driven hammers shall comply with the applicable provisions of Section 41701.5 of the California Health and Safety Code. Diesel auxiliary engines or generators used exclusively to operate a drinking water system shall comply with the applicable provisions of Section 41701.6 of the California Health

and Safety Code.

6 ADMINISTRATIVE REQUIREMENTS

6.1 Required Information: No later than July 1, 1998 the owner or operator of any existing engine subject to the provisions of this Rule shall provide the following information or apply for an Authority to Construct:

- 6.1.1** Permit to Operate number;
- 6.1.2** Engine manufacturer;
- 6.1.3** Model designation;
- 6.1.4** Rated brake horsepower;
- 6.1.5** Type of fuel and type of ignition;
- 6.1.6** Combustion type: rich-burn or lean-burn;
- 6.1.7** Two (2) or four (4) cycle;
- 6.1.8** Any installed emission control equipment.

6.2 Compliance Schedule: No later than July 1, 1998 the owner or operator of each internal combustion engine subject to the provisions of this Rule shall identify the type of control equipment to be applied to each stationary engine, or shall provide support documentation sufficient to demonstrate that the engine is in compliance with the emission limits of this Rule.

6.3 Recordkeeping: The owner or operator of any stationary internal combustion engine subject to the provisions of this Rule shall maintain an engine operating log for each month or any part of a month that the device is operated that includes the following:

- 6.3.1** Total recorded hours of operation, calculated hours of operation based upon fuel usage, or other calculation procedure to determine hours of operation based upon a method authorized by the APCO;
- 6.3.2** Type of fuel combusted, measured quantity of fuel used, or calculated fuel usage based upon a method authorized by the APCO;
- 6.3.3** Date(s) and type of maintenance performed;
- 6.3.4** Annual emission test results using portable analyzer as specified in Section 7.1.1 of this Rule;
- 6.3.5** This information shall be maintained for a period of two (2) years and shall be submitted to the APCO upon request.

6.4 Exempt engines: Any owner or operator claiming an exemption under Section 3.1 through 3.9 of this Rule shall:

6.4.1 Submit support documentation identifying reasons for the exemption no later than July 1, 2005. Documentation shall be submitted for each exemption applied for and shall contain a list that provides the following information, if applicable:

- 6.4.1.1** Engine manufacturer;
- 6.4.1.2** Model designation;

- 6.4.1.3 Rated brake horsepower;
 - 6.4.1.4 Type of fuel and type of ignition;
 - 6.4.1.5 Combustion type: rich-burn or lean-burn;
 - 6.4.1.6 Two (2) or four (4) cycle;
 - 6.4.1.7 Gas turbine;
 - 6.4.1.8 Portable equipment registration or certificate number;
 - 6.4.1.9 Removal or electrification schedule.
- 6.4.2 Maintain annual operating records and/or support documentation necessary to claim exemption. This information shall be maintained for a period of not less than two years and shall be submitted to the APCO upon request.

7 COMPLIANCE TESTING

- 7.1 Testing Schedule:** The owner or operator of any stationary internal combustion engine subject to the provisions of this Rule, except those engines utilizing Continuous Emission Monitoring (CEM), or are exempt under Section 3 of this Rule, shall demonstrate compliance with the requirements of Section 5.1 or 5.2 of this Rule by conducting an initial emission test in accordance with methods specified in Section 7.2 of this Rule.
- 7.1.1** Upon successful demonstration of initial compliance, testing of emissions with a portable analyzer as specified in Section 7.2 shall be completed by the owner or operator as an inspection and maintenance program. This testing shall be conducted every 8,760 hours or three years, whichever comes first. If any emission values are found to be greater than the limits specified in Section 5.1 or 5.2, immediate corrective action shall be taken and the DISTRICT shall be advised of the condition of excessive emissions. Record keeping of all results of this inspection and maintenance program shall be required as specified in Section 6.2 of this Rule.
- 7.1.2** The testing of emissions required in Section 7.1.1 above shall be demonstrated in the presence of DISTRICT staff for compliance demonstration purposes upon request by the DISTRICT. Testing of emissions pursuant to Section 7.2 may be required at any time for enforcement purposes.
- 7.2 Test Methods:** Compliance with the requirements of Section 5.1 or 5.2 shall be determined at the manufacturer's recommended maximum horsepower for continuous operation, normal operating level, or consistent with limitations listed in the Permit to Operate, in accordance with the following test procedures as approved by the APCO:
- 7.2.1** Oxides of Nitrogen shall be determined by EPA Method 7E, or California Air Resources Board (CARB) Method 100, or a method approved in writing by the APCO using a portable analyzer*.
- 7.2.2** Carbon Monoxide shall be determined by EPA Method 10, or

CARB Method 100, or a portable analyzer*.

7.2.3 Oxygen Content shall be determined by EPA Method 3, 3A, or CARB Method 100, or a method approved in writing by the APCO using portable analyzer*.

7.2.4 NOx emission limitations specified in Section 5.1 and 5.2 of this Rule shall be expressed as nitrogen dioxide (NO₂). All ppmv emission limitations are referenced at 15% volume stack gas oxygen on a dry basis. Source test data point intervals shall be no greater than five (5) minutes and data points shall be averaged over no less than fifteen (15) minutes of engine operation.

*Note: Specific portable analyzers may be used for the measurement of oxides of nitrogen, carbon monoxide, and oxygen which do not meet the requirements of the test methods specified in Sections 7.2.1, 7.2.2 and 7.2.3 of this Rule provided that evidence accompanies each test report that instrument operation conformed to the manufacturer's recommendations and that the instrument(s) used responded appropriately to calibration gases both before and after testing, and provided that measurements made by the methods specified in Sections 7.2.1, 7.2.2 and 7.2.3 shall be recognized as more reliable in any dispute involving measurements made by different methods. Evidence of instrument response stability shall be provided if calibration checks are not performed at the test site immediately before and after testing.

7.3 Initial Compliance Schedule: Owners or operators of engines subject to the requirements of Section 5.1 and/or 5.2 shall comply with the requirements of this Rule by the following schedule:

7.3.1 No later than January 1, 1999 submit a complete application for an Authority to Construct for all modifications to each engine required to comply with Section 5.1 or 5.2 of this Rule, or shall provide support documentation sufficient to demonstrate that each engine is in compliance with the emission limits of this Rule.

7.3.2 No later than January 1, 2000 complete all modifications to each engine and demonstrate full compliance with all provisions of this Rule.

Rule 262 Sulfur Oxides

- 1 SULFUR OXIDES EMISSION STANDARD:** A person shall not discharge into the atmosphere from any single source of emission whatsoever any sulfur oxides in excess of 0.2 percent by volume (2000 PPM) collectively calculated as sulfur dioxide (SO₂).