

RULE 2.31 SURFACE PREPARATION AND CLEANUP

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100 GENERAL

- 101 **PURPOSE:** The purpose of this Rule is to limit the emissions of volatile organic compounds (VOC) from surface preparation and clean up, and from the storage and disposal of materials used for surface preparation and cleanup.
- 102 **APPLICABILITY:** The provisions of this Rule applies to any owner or operator of any facility that uses VOC-containing materials for surface preparation and cleanup, or any person who sells or distributes any solvent subject to the provisions of this rule.
- 110 **EXEMPTION - GENERAL:** The provisions of this rule, except for Section 503, Burden of Proof, shall not apply to the following:
- 110.1 Dry cleaning operations.
 - 110.2 Cleaning operations using a solvent containing no more than 25 grams of VOC per liter of material.
 - 110.3 Janitorial cleaning.
 - 110.4 Stripping of cured coatings, cured adhesives, and cured inks.
 - 110.5 Degreasers with an open top surface area of 1.0 square foot or less or with a capacity of 2.0 gallons or less, using unheated nonhalogenated solvent exclusively, and the reservoir is covered when not processing work.
 - 110.6 Any solvent degreasing operations that are subject to the NESHAP requirements of 40 CFR Part 63 Subpart T- National Emission Standards for Halogenated Solvent Cleaning.
 - 110.7 Cleaning operations in printing pre-press or graphic arts pre-press areas, including the cleaning of film processors, color scanners, plate processors, film cleaning, and plate cleaning.
- 111 **EXEMPTION - SOLVENT REQUIREMENTS:** The provisions of Section 301 shall not apply to any of the following applications:

- 111.1 Wipe cleaning of solar cells, laser hardware, and high precision optics.
 - 111.2 Wipe cleaning for performance laboratory tests on coatings, adhesives or inks, research and development programs, and laboratory tests in quality assurance laboratories.
 - 111.3 Wipe cleaning of polycarbonate plastics.
 - 111.4 Cleaning of cotton swabs to remove cottonseed oil before cleaning of high precision optics.
 - 111.5 Facilities using 10 gallons or less of solvents in any one calendar year, provided the daily use does not exceed one liter in any one day.
 - 111.6 Cleaning of paper-based gaskets, and clutch assemblies where rubber is bonded to metal by means of an adhesive.
 - 111.7 Cleaning of sterilization ink indicating equipment provided that the solvent usage is less than 1.5 gallons per day.
 - 111.8 Coating and adhesive application processes utilized to manufacture transdermal drug delivery product using ethyl acetate.
- 112 **EXEMPTION - GENERAL PROHIBITIONS:** The provisions of Section 309 shall not apply to any of the following applications:
- 112.1 Internal cleaning of the tips of automated spray equipment systems, except for robotic systems.
 - 112.2 Spray bottles or containers described in Section 302.2 of this rule.
 - 112.3 Printing operations where the roller or blanket wash is applied automatically.
- 113 **EXEMPTION - LIMITED AEROSOL:** The provisions of Sections 301 and 302 shall not apply to cleaning with aerosol products if 160 oz or less are used per day per facility. The use of such products shall comply with CARB regulations.

200 DEFINITIONS

- 201 **AEROSOL PRODUCT:** A hand-held, non-refillable container which expels pressurized product ingredients by means of a propellant-induced force.
- 202 **AIR SOLVENT INTERFACE:** The point of contact between the exposed solvent and air.
- 203 **APPLICATION EQUIPMENT:** A device used to apply adhesive, coating, ink, or polyester resin material, such as but not limited to brushes, rollers and spray guns.
- 204 **APPURTENANCES:** Accessories to an architectural structure, including, but not limited to: Hand railings, cabinets, bathroom and kitchen fixtures, fences, rain-gutters and down-spouts, window screens, lamp-posts, heating and air conditioning equipment, other mechanical equipment, large fixed stationary tools and concrete forms.
- 205 **ARCHITECTURAL COATINGS:** Any coatings applied to stationary structures and their appurtenances, to mobile homes, to pavements, or to curbs.
- 206 **BATCH LOADED COLD CLEANER:** Any batch loaded, non-boiling solvent degreaser with an air-solvent interface.
- 207 **CONTROL DEVICE:** Equipment such as an incinerator or adsorber used to prevent air pollutants from reaching the ambient air.
- 208 **CURED COATINGS, CURED INKS, AND CURED ADHESIVES:** Coatings, inks, and adhesives which are dry to the touch.
- 209 **DOCTOR BLADE:** A steel blade used to scrape excess ink from a printing plate.
- 210 **ELECTRICAL APPARATUS COMPONENT:** An internal component such as wires, windings, stators, rotors, magnets, contacts, relays, energizers, and connections in an apparatus that generates or transmits electrical energy including, but not limited to: alternators, generators, transformers, electric motors, cables, and circuit breakers, except for the actual cabinet in which the components are housed. Electrical components of graphic arts application equipment and hot-line tools are also included in this category.
- 211 **ELECTRONIC COMPONENT:** The portion of an assembly, including circuit card assemblies, printed wire assemblies, printed circuit boards, soldered joints, ground wires, bus bars, and other electrical fixtures,

except for the actual cabinet in which the components are housed.

- 212 **EMISSION CONTROL SYSTEM:** A control device and its associated collection system.
- 213 **EXEMPT COMPOUNDS:** As defined in Section 214 of District Rule 1.1, General Provisions and Definitions.
- 214 **FACILITY:** A business or businesses engaged in surface preparation and clean up activities which are owned or operated by the same person or persons and are located on the same or contiguous parcels.
- 215 **FLEXOGRAPHIC PRINTING:** A letterpress method utilizing flexible rubber or other elastomeric plate and rapid drying liquid inks.
- 216 **FREEBOARD HEIGHT:** The distance from the top of the solvent or solvent drain to the top of the tank for batch loaded cold cleaners.
- 217 **FREEBOARD RATIO:** The freeboard height divided by the width of the degreaser.
- 218 **GENERAL WORK SURFACE:** An area of a medical device or pharmaceutical facility where solvent cleaning is performed on work surfaces including, but not limited to, tables, countertops, and laboratory benches. General work surfaces shall not include items defined under janitorial cleaning.
- 219 **GRAPHIC ARTS:** All screen, gravure, letterpress, flexographic, and lithographic printing processes.
- 220 **GRAVURE PRINTING:** An intaglio printing process in which the ink is carried in minute etched or engraved wells on a roll or cylinder. The excess ink is removed from the surface by a doctor blade.
- 221 **HIGH PRECISION OPTICS:** An optical element used in an electro-optical device that is designed to sense, detect, or transmit light energy, including specific wavelengths of light energy and changes in light energy levels.
- 222 **INTAGLIO PRINTING:** A printing operation done from a plate in which the image is etched or engraved into the surface.
- 223 **JANITORIAL CLEANING:** The cleaning of building or facility components, such as the floor, ceiling, walls, windows,

doors, stairs, bathrooms, furnishings, and exterior surfaces of office equipment. The cleaning of work areas where manufacturing or repair activity is performed is excluded from this definition.

- 224 **LETTERPRESS PRINTING:** The method in which the image area is raised relative to the nonimage area and the ink is transferred to the paper directly from the image surface.
- 225 **LITHOGRAPHIC PRINTING:** A plane-o-graphic method in which the image and nonimage areas are on the same plane.
- 226 **LIQUID LEAK:** A visible liquid solvent leak from a container at a rate of more than three (3) drops per minute, or a visible liquid mist.
- 227 **MAINTENANCE CLEANING:** Surface preparation and cleanup, including sanitization, carried out to keep parts, products, tools, machinery, equipment, or general work areas in clean and good operational condition.
- 228 **MANUFACTURING PROCESS:** The process of making goods or articles by hand or by machinery.
- 229 **MEDICAL DEVICE:** Any instrument, apparatus, implement, machine contrivance, implant, in vitro reagent or other similar article, including any component or accessory, that meets one of the following conditions:
- 229.1 It is intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease; or
- 229.2 It is intended to affect the structure or any function of the body; or
- 229.3 It is defined in the National Formulary or the United States Pharmacopia, or any supplement to them.
- 230 **NON-ABSORBENT CONTAINERS:** Containers made of nonporous material which do not allow the migration of the liquid solvent through them.
- 231 **NON-ATOMIZED SOLVENT FLOW:** The use of a solvent to remove uncured adhesives, uncured inks, uncured coatings, and contaminants from an article in the form of a liquid stream without atomization.
- 232 **NON-LEAKING CONTAINERS:** Containers without liquid leaks.

- 233 **PHARMACEUTICAL:** Any facility producing or blending chemicals for use in pharmaceutical products and or employing chemical processes in the manufacture of pharmaceutical products or medical devices.
- 234 **PHARMACEUTICAL PRODUCT:** A preparation or compound of medicinal drugs including, but not limited to, a prescription drug, analgesic, decongestant, antihistamine, cough suppressant, vitamin, mineral and herb, and is used by humans for consumption to enhance human health.
- 235 **PRINTING:** Any operation in the graphic arts that imparts color, design, alphabet, or numerals on a substrate.
- 236 **PRODUCT CLEANING:** The removal of loosely held uncured adhesives, uncured inks, uncured coatings, and contaminants such as dust, soil, oil, grease, etc., from the product or substrate during any manufacturing process, adhesive application, coating application or ink application.
- 237 **REMOTE RESERVOIR COLD CLEANER:** A cleaning device, such as a parts washer, in which liquid solvent is pumped from a solvent container to a sink-like work area and the solvent from the sink-like area drains into an enclosed solvent container while parts are being cleaned.
- 238 **REPAIR CLEANING:** Surface preparation and cleanup carried out during a repair process.
- 239 **REPAIR PROCESS:** The process of returning a damaged object or an object not operating properly to good condition.
- 240 **SCREEN PRINTING:** A process in which the printing ink passes through a web or fabric to which a refined form of stencil has been applied. The stencil openings determine the form and dimensions of the imprint.
- 241 **SOLVENT:** Any liquid containing a volatile organic compound or combination of volatile organic compounds, which is used to perform surface preparation and cleanup.
- 242 **SOLVENT CONTAINER:** That part of a cleaning device that holds the solvent.
- 243 **SOLVENT FLUSHING:** The use of solvent to remove uncured adhesives, uncured inks, uncured coatings, or contaminants from the internal surfaces and passages of the equipment by flushing solvent through the equipment.

- 244 **STRIPPING:** The removal of cured inks, cured adhesives, and cured coatings.
- 245 **SURFACE PREPARATION AND CLEANUP:** The removal of loosely held uncured adhesives, uncured inks, uncured coatings, and contaminants such as dust, soil, oil, grease, etc., at any step in the production, repair, maintenance, or servicing of parts, products, tools, machinery, equipment, or general work areas including the storage and disposal of VOC containing materials used.
- 246 **ULTRAVIOLET INKS:** Inks which dry by a polymerization reaction induced by ultraviolet radiation.
- 247 **VOLATILE ORGANIC COMPOUND (VOC):** As defined in Rule 1.1, General Requirements.
- 248 **VOLATILE ORGANIC COMPOUND (VOC) COMPOSITE PARTIAL PRESSURE:** The sum of the partial pressures of the compounds defined as VOCs. VOC composite partial pressure is calculated according to Section 605.
- 249 **VOLATILE ORGANIC COMPOUND (VOC) CONTENT:** The weight of VOC per volume of material as calculated pursuant to the applicable Sections of 600.
- 250 **WIPE CLEANING:** The method of cleaning a surface by physically rubbing it with a material such as a rag, paper, or a cotton swab moistened with a solvent.

300 STANDARDS

- 301 **SOLVENT LIMITS:** A person shall not use a solvent to perform surface preparation and cleanup, or specify or require any person to use a solvent subject to the provisions of this Rule, unless the solvent complies with the applicable requirements set forth in Table 1.

TABLE 1. VOC CONTENT AND COMPOSITE PARTIAL PRESSURE LIMITS

Category		VOC content limit grams/liter			
		Effective 5/14/2008	Effective 7/1/2009	Effective 1/1/2011	
Product Cleaning	Coating, Adhesive, or Ink Application	200	50	25	
	Metal Parts and Products	200 or boiling point > 190° C	50	25	
	Motor Vehicle	General	72	50	25
		Plastic Parts	780	50	25
	Polyester Resins	200	50	25	
	Wood Products	200	50	25	
	Electrical Apparatus Components & Electronic Components	900	500	100	
Medical Devices and Pharmaceuticals		800	800		
Repair Cleaning & Maintenance Cleaning	General	900	50	25	
	Electrical Apparatus Components & Electronic Components		900	100	
	Medical Devices and Pharmaceuticals	Tools, Equipment, Machinery		800	800
		General Work Surfaces		600	600
Cleaning of Application Equipment	Coating and Adhesives	950	50	25	
	Wood Products - Non-Enclosed System	200	50	25	
	Polyester Resins	200	50	25	
	Printing operations	Screen Printing	1070 and 5 mm HG	500	100
		Lithographic and Letterpress	900 and 25 mm Hg	650	238
		Ultraviolet (except screen printing)	800 and 33 mm HG	650	238
		Specialty Flexographic	100 and 3 mm HG	100	100
		Gravure (Publication)	100 and 3 mm HG	100	100
General	100 and 3 mm HG	50	25		
Medical Devices and Pharmaceuticals		810	810		
General	Industries Not Specified Above		50	25	

302 **CLEANING DEVICES AND METHODS REQUIREMENTS:** A person shall not perform surface preparation and cleanup unless one of the following cleaning devices or methods is used:

- 302.1 Wipe cleaning;
- 302.2 Spray bottles or closed containers with a maximum capacity of 16 fluid ounces from which solvents are applied without a propellant induced force;
- 302.3 Cleaning equipment which has a solvent container that can be, and is, closed during cleaning operations, except when depositing and removing objects to be cleaned, and is closed during non-operation with the exception of maintenance and repair to the cleaning equipment itself;
- 302.4 Cleaning device or mechanism which has been determined by the APCO to result in equivalent or lower emissions than applicable limits listed in Table 1;
- 302.5 Remote reservoir cold cleaner used pursuant to Section 305 of this Rule;
- 302.6 Non-atomized solvent flow method where the cleaning solvent is collected in a container or a collection system which is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container; or
- 302.7 Solvent flushing method where the cleaning solvent is discharged into a container which is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container. The discharged solvent from the equipment must be collected into containers without atomizing into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping.

303 **CLEANING DEVICES - GENERAL REQUIREMENTS:** Any person using equipment subject to the requirements of 302.3, 302.5, 302.6 or 302.7 shall comply with the following requirements:

- 303.1 Do not clean porous or absorbent materials, such as cloth, leather, rope, and wood; and
- 303.2 Use only solvent containers free of all liquid leaks. Auxiliary equipment, such as pumps, pipelines, or flanges shall not have any liquid leaks, visible tears, or cracks. Any liquid leak, visible tear, or crack detected shall be repaired within one calendar day, or the leaking section of the cleaner shall be drained of all solvent and shut down until it is replaced or repaired.
- 304 **CLEANING DEVICES - REQUIREMENTS FOR EQUIPMENT USING SOLVENTS WITH A HIGH VOC CONTENT:** Any person using a batch loaded cold cleaner using a solvent with a VOC content greater than 50 grams per liter shall comply with the following requirements:
- 304.1 An apparatus or cover must be used which prevents the solvent from evaporating when not processing work in the degreaser. The cover should be designed so that it can be opened and closed easily with one hand;
- 304.2 If the solvent initial boiling point is less than 248°F and the solvent is heated above 50°C than the cold cleaner shall have one of the following:
- a. A freeboard ratio greater or equal to 0.75; or
 - b. A water cover if the solvent is insoluble in and heavier than water.
- 304.3 If the solvent initial boiling point is less than 248°F then the drainage facility must be internal so that the parts are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit the cleaning system;
- 304.4 Drain cleaned parts for at least 15 seconds after cleaning or until dripping ceases;
- 304.5 If using a solvent flow use only a continuous, fluid stream (not a fine, atomized, or shower type spray) at a pressure which does not cause liquid solvent to splash outside the solvent container;

- 304.6 Perform solvent agitation, where necessary, through pump re-circulation, ultrasonics, or by means of a mixer. Do not use agitation of the solvent bath;
- 305 **REMOTE RESERVOIR COLD CLEANERS:** Any person owning or operating a remote reservoir cold cleaner shall comply with all of the following requirements, in addition to the applicable VOC limits specified in Table 1:
- 305.1 Prevent solvent vapors from escaping from the solvent container by using such devices as a cover or a valve when the remote reservoir is not being used, cleaned, or repaired;
- 305.2 Direct solvent flow in a manner that will prevent liquid solvent from splashing outside of the remote reservoir cold cleaner;
- 305.3 Additional requirements for remote reservoir cleaners using solvents with a VOC content greater than 50 grams per liter:
- a. A tank or sink-like work area which is sloped sufficiently to preclude pooling of solvent;
 - b. A single drain hole, less than 100 square centimeters (15.5 square inches) in area, for the solvent to flow from the sink into the enclosed reservoir;
 - c. A free board height of at least six inches;
 - d. A cover for the drain when no work is processed.
- 306 **SPRAY EQUIPMENT -CLEANUP:** Any person owning or operating any device used to clean spray equipment for coating applications shall comply with all the following requirements in addition to the applicable VOC limits specified in Table 1:
- 306.1 The system must fully enclose the spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures;
- 306.2 The system must be used according to the manufacturer's recommendations; and
- 306.3 The system must be closed when not in use.
- 307 **EMISSION CONTROL SYSTEM:** In lieu of complying with the requirements in Sections 301, 302, or 306 of this Rule,

a operator may comply by using collection and control systems in association with surface preparation and cleanup subject to this Rule provided that the system is approved in writing by the APCO and during emission producing activities, the system complies with either:

307.1 The VOC emission control system's control device shall have a capture efficiency of at least 90 percent, by weight, of the emissions generated by surface preparation and cleanup and one of the following requirements:

- a. The control device has a control efficiency of at least 95 percent by weight, or
- b. The VOC emission control system has an output of less than 50 parts per million by weight (ppm) calculated as carbon with no dilution; or

307.2 The emission control system meets the requirements of the applicable source specific rule of the District's Regulation II.

308 **STORAGE AND DISPOSAL - GENERAL:** All VOC-containing materials used in surface preparation and cleanup, whether in its form for intended use or as a waste or used product, including items such as cloth or paper laden with VOC containing materials, shall be stored in non-absorbent, non-leaking containers which shall be kept closed at all times, except when filling or emptying, and disposed of in a manner to prevent evaporation of VOCs into the atmosphere at the facility.

309 **GENERAL PROHIBITIONS:** A person shall not atomize any solvent unless it is vented to an air pollution control equipment, which meets the requirements of Section 305.

400 ADMINISTRATIVE REQUIREMENTS

401 **PROHIBITION OF SPECIFICATION:** A person shall not specify the use of any solvent used for surface preparation and cleanup subject to the provisions of this rule that does not meet the limits and requirements of this rule where such applications result in a violation of this rule. The requirements of this Section shall apply to all written or oral contracts.

402 **COMPLIANCE STATEMENT REQUIREMENT:** Any person who sells or distributes any solvent subject to this rule shall make

available to the purchaser at the time of sale the following information:

- 402.1 The name of the solvent;
- 402.2 The name of the manufacturer;
- 402.3 The maximum VOC content of the solvent as applied. The VOC content shall be expressed as grams of VOC per liter of solvent, or pounds of VOC per gallon of solvent as determined pursuant to Section 602;
- 402.4 Recommendations regarding thinning, reducing or mixing with any solvent, if applicable;

403 **OPERATION AND MAINTENANCE PLAN (O&M PLAN):** Any person using an emission control device pursuant to Section 307 of this Rule, as a means of complying with this rule, must submit with the application for Authority to Construct, pursuant to Rule 3.1, GENERAL PERMIT REQUIREMENTS, an O&M Plan for the emission control device to the APCO for approval. The O&M Plan shall specify operation and maintenance procedures which will demonstrate continuous operation of the control device during periods of emission producing operations. The O&M Plan shall also specify which records must be kept to document these operation and maintenance procedures. These records shall comply with the requirements of Section 502 of this Rule. Any person using an emission control device must fully comply with all O&M Plans submitted for approval, even if such O&M Plans have not yet been approved, unless notified in writing by the APCO.

500 MONITORING AND RECORDS

501 **RECORD KEEPING - GENERAL:** Any person using a solvent for all applications subject to this Rule, except those subject to Section 110 Exemption - General, shall maintain records in a current file that contains all the data necessary to verify compliance and shall include the following:

- 501.1 Identification of each process at the facility subject to this Rule. The identification shall include the following:
 - a. The location of the unit(s);
 - b. The permit number (if applicable);
 - c. Description of the method of application and substrate type.

- 501.2 The amount and type of each solvent used at each process, on a monthly basis. The following information should be included;
- a. The name of the solvent;
 - b. The name of the solvent manufacturer;
 - c. The VOC content of the solvent expressed in grams/liter or lb/gallon;
 - d. Solvent usage;
 - e. The mix ratio for the cleaning solvent as applied.
- 501.3 A copy of the Manufacturer's product data sheet or material safety data sheet of the solvent used.
- 501.4 Any other such records needed to verify compliance with this rule.
- 502 **RECORD KEEPING - EMISSION CONTROL SYSTEMS:** If compliance with this rule is achieved through the use of an emission control system, in addition to the provisions of Section 501, the owner or operator shall maintain:
- 502.1 Daily usage records of all solvents.
- 502.2 Daily records of key operating parameters such as temperatures, pressures, flowrates, and hours of operation of the control device to verify compliance of the capture and control device.
- 502.3 Maintenance work which interferes with the operation of the control device.
- 503 **BURDEN OF PROOF:** Any person claiming exemption pursuant to Section 110, 111, 112 or 113 shall have information available such as product data or material safety data sheets or records that would allow the APCO to verify the eligibility of the exemption.
- 504 **REPORTING:** All records required by Sections 501, 502, and 503 shall be maintained on site for a period of two years and made available to the APCO upon request.

600 TEST METHODS AND CALCULATIONS

- 601 **GENERAL:** For the purposes of this Rule, the following test methods or calculation methods shall be used. Other test methods determined to be equivalent and approved in writing by the District and the EPA may also be used. VOC

emissions or other parameters determined to exceed any limits established by this Rule through the use of any of the following test methods or calculations shall constitute a violation of this Rule.

602 **VOC CONTENT:** The VOC content of organic solvents subject to the provisions of this rule shall be determined by procedures contained in EPA Reference Test Method 24 or 24A, or by using the manufacturer's product formulation data and formula listed in Section 604.

603 **EXEMPT COMPOUNDS:** The content of exempt VOCs shall be determined by using CARB Method 432 or SCAQMD Method 303 (Determination of Exempt Compounds).

604 **CALCULATION OF VOC CONTENT:** The VOC content per volume of solvent shall be calculated by the following equation:

$$\text{VOC}_{\text{con}} = \frac{(W_S - W_W - W_{\text{ES}})}{V_M}$$

Where: VOC_{con} = Grams of VOC per liter of material
 W_S = Weight of volatile compounds in grams
 W_W = Weight of water in grams
 W_{ES} = Weight of exempt compounds in grams
 V_M = Volume of material in liters

605 **CALCULATION OF VOC COMPOSITE PARTIAL PRESSURE:** The VOC composite partial pressure shall be calculated by the following equation:

$$\text{PP}_c = \frac{\sum_{i=1}^n (W_i)(\text{VP}_i) / \text{MW}_i}{\frac{W_W}{\text{MW}_W} + \frac{W_E}{\text{MW}_E} + \sum_{i=1}^n \frac{W_i}{\text{MW}_i}}$$

where: PP_c = VOC composite partial pressure at 20°C, in mm Hg
 VP_i = Vapor pressure of the "i"th VOC compound at 20°C, in mm Hg
 W_i = Weight of the "i"th VOC compound, in grams
 W_W = Weight of water, in grams
 W_E = Weight of exempt compound, in grams
 MW_i = Molecular weight of the "i"th VOC compound, in g/(g-mole)
 MW_W = Molecular weight of water, in g/(g-mole)
 MW_E = Molecular weight of exempt compound, in g/(g-mole)

- 606 **CAPTURE EFFICIENCY:** The capture efficiency of a VOC emission control system's collection device shall be determined according to EPA's "Guidelines for Determining Capture Efficiency," January 9, 1995 and 40 CFR 51, Appendix M, Methods 204-204F, as applicable.
- 607 **CONTROL EFFICIENCY:** The control efficiency a VOC emission control system's collection device shall be determined by using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Method 25, 25A, or 25B for measuring total gaseous organic concentrations at the inlet and outlet of the control device. EPA Method 18 or CARB Method 422 shall be used to determine the emissions of exempt compounds.
- 608 **SPRAY GUN CLEANING SYSTEMS:** The determination of emissions of VOC from spray gun cleaning systems shall be made using South Coast Air Quality Management District "General Test Method for Determining Solvent Losses from Spray Gun Cleaning Systems" dated October 3, 1989.