

The logo of the Los Angeles Unified School District Board of Education is a circular seal. It features a central shield with a yellow sunburst on the right and a blue and yellow design on the left. Above the shield are two yellow figures, one larger than the other. The text "LOS ANGELES UNIFIED SCHOOL DISTRICT" is written in a circle around the top, and "BOARD OF EDUCATION" is written around the bottom.

LOS ANGELES UNIFIED SCHOOL DISTRICT
AIR EMISSION REQUIREMENTS

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AIR EMISSION REQUIREMENTS

LOS ANGELES UNIFIED SCHOOL DISTRICT

1.0 OVERVIEW

The Los Angeles Unified School District (LAUSD) is required to comply with South Coast Air Quality Management District (SCAQMD), Clean Air Act (CAA) and California Air Resources Board (CARB) rules and regulations. This document compiles relevant rules and regulations that apply to District schools, Maintenance & Operations (M&O), garages and other facilities/offices.

2.0 RESPONSIBILITIES

2.1 Facilities Division, Maintenance & Operations (M&O) Energy Unit

The Facilities Division, M&O Energy Unit is responsible for submitting a permit/registration application to the SCAQMD for any sites that required a permit/registration. This Unit is also responsible for maintaining all SCAQMD permits/registrations, paying fees including emission fees renewing and amending permits/ registrations whenever necessary.

2.2 Office of Environmental Health and Safety

The Office of Environmental Health and Safety (OEHS) is responsible for ensuring air emission requirements are implemented and updated in accordance with SCAQMD, CAA and CARB rules and regulations.

2.3 Area Facilities Services Director

The Area Facilities Services Director (AFSD) is responsible for reviewing and implementing applicable air emission requirements at the M&O sites.

2.4 Fleet Maintenance Section, Transportation Branch

The Fleet Maintenance Section, Transportation Branch is responsible for reviewing and implementing applicable air emission requirements for all the District vehicles

2.5 District Garage Supervisor

The Garage Supervisor is responsible for reviewing and implementing applicable air emission requirements at the garages.

2.6 Site Administrator

The Site Administrator is responsible for reviewing and implementing applicable air emission requirements that are applicable for their areas, which may include Central Shops, Asbestos Technical Unit, Procurement Services Branch in Pico Rivera, Newman Nutrition Center, School Cafeterias and Beaudry Building.

3.0 APPLICABLE AIR EMISSION REQUIREMENTS

3.1 STORAGE AND TRANSFER EQUIPMENT

3.1.1 EXEMPTIONS

Any storage and transfer equipment that may emit air contaminants are required to obtain a SCAQMD permit if they do not meet one of the following exemptions:

- Equipment used exclusively for the storage and/or transfer of liquefied petroleum gas (LPG) such as propane less than 10,000 pounds
- Equipment used exclusively for the transfer of less than 75,700 liters (20,000 gallons) per day of unheated Volatile Organic Compound (VOC) containing materials, with an initial boiling point of 150° C (302° F) or greater
- Equipment used exclusively for the storage of unheated VOC containing materials with an initial boiling point of 150° C (302° F) or greater. This exemption does not include liquid fuel storage greater than 160, 400 liters (40, 000 gallons)
- Equipment used exclusively for the storage and transfer of crankcase drainage oil
- Equipment used exclusively for VOC containing liquid storage or transfer to and from such storage, of less than 950 liters (251 gallons) capacity
- Pumps used exclusively for pipeline transfer of liquids
- Equipment used exclusively for the unheated underground storage of 23,000 liters (6,077 gallons) or less, and equipment used exclusively for the transfer to or from such storage of organic liquids with a vapor pressure of 77.5 mm Hg (1.5 psi) absolute or less at actual storage conditions
- Liquid fuel storage tanks piped exclusively to emergency internal combustion engine-generators, turbines or pump drivers
- Bins used for temporary storage and transport of materials with a capacity of 2,080 liters (550 gallons) or less
- Equipment used for material storage where no venting occurs during filling or normal use

- Equipment used exclusively for storage, blending, and/or transfer of water emulsion intermediates and products, including latex, with a VOC content of 5% by volume or less
- Equipment used exclusively for storage and/or transfer of sodium hypochlorite solution

3.1.2 REQUIREMENTS

Business Division Garage, Gardena Garage and Sun Valley Garage are required to comply with SCAQMD Rule 461-Gasoline Transfer and Dispensing.

3.1.3 RESPONSIBILITIES

The Garage Supervisor from each garage is responsible for implementing this rule.

3.2 COATING AND ADHESIVE PROCESS/EQUIPMENT

3.2.1 EXEMPTIONS

Any coating and adhesive process/equipment that may emit air contaminants are required to obtain a SCAQMD permit if they do not meet one of the following exemptions:

- Equipment used exclusively for coating objects with oils, melted waxes or greases which contain no VOC containing materials
- Spray coating equipment operated within control enclosures
- Coating, adhesives application, or laminating equipment operated outside control enclosures provided that the VOC emissions from such equipment are only three pounds per day or less or 66 pounds per calendar month or less
- Spray coating and associated drying equipment and control enclosures used exclusively for educational purposes in educational institutions
- Portable coating equipment and pavement stripers used exclusively for the application of architectural coatings and associated internal combustion engines with a manufacturer's rating of 50 brake horsepower or less

3.2.2 REQUIREMENTS

- Sites with spray painting and spray coating operations and equipment are required to comply with SCAQMD Rule 481-Spray Coating Operations if they do not meet this rule's exemptions (Appendix 1)
- Sites with VOC containing materials metal coatings operations are required to comply with SCAQMD Rule 1107-Coating of

Metal Parts and Products if they do not meet this rule's exemptions (Appendix 2)

- Any person who applies any VOC containing materials architectural coating to stationary structures or their appurtenances, pavements or curbs is required to comply with SCAQMD Rule 1113-Architectural Coatings if they do not meet this rule's exemptions (Appendix 3)
- Sites performing VOC containing materials graphic arts operations are required to comply with SCAQMD Rule 1130-Graphic Arts if they do not meet this rule's exemptions (Appendix 4)
- Sites that apply VOC coatings or strippers to and surface preparation of any wood products including furniture, cabinets, shutters, frames and toys are required to comply with SCAQMD Rule 1136-Wood Products Coatings if they do not meet this rule's exemptions (Appendix 5)
- Sites performing commercial and non-commercial VOC containing materials coating applications to large sized trucks, buses, mobile equipment, small-sized trucks and vans, medium-sized trucks and vans, motor homes, and motor cycles are required to comply with SCAQMD Rule 1151-Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations if they do not meet this rule's exemptions (Appendix 6)
- Sites that use VOC containing adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, or any other primers are required to comply with SCAQMD Rule 1168-Adhesive and Sealant Applications if they do not meet this rule's exemptions (Appendix 7)

3.2.3 RESPONSIBILITIES

The Site Administrator from each site is responsible for implementing the applicable rule requirements.

3.3 ENGINES AND MOBILE EQUIPMENT

3.3.1 EXEMPTIONS

Any internal combustion engines and mobile equipment that may emit air contaminants are required to obtain a SCAQMD permit if they do not meet one of the following exemptions:

- Motor vehicle
- Piston type internal combustion engines with a manufacturer's rating of 50 brake horsepower (bhp) or less
- Gas turbine engines with a maximum heat input rate of 2,975,000 British thermal units (Btu) per hour or less
- Internal combustion engines used exclusively for training at educational institutions

- Any portable equipment which is registered in accordance with the Statewide Portable Equipment Registration Program

3.3.2 REGISTRATION

The following equipment are exempt from permits but need to register with SCAQMD:

- Internal combustion engines used exclusively for emergency lighting with a manufacturer's rating of more than 50 bhp

3.3.3 REQUIREMENTS

- Sites with stationary and portable engines over 50 bhp are required to comply with SCAQMD Rule 1110.2-Emissions from Gaseous-and-Liquid-Fueled Engines if they do not meet this rule's exemptions (Appendix 8)
- LAUSD is required to acquire alternative-fuel or otherwise less-polluting sweepers when purchasing or leasing vehicles for sweeping operations to comply with SCAQMD Rule 1186.1-Less-Polluting Sweepers if the District does not meet this rule's exemptions (Appendix 9)
- LAUSD is required to acquire alternative-fueled school buses when procuring or leasing new school buses or to retrofit used or existing school buses with a CARB approved control devices to comply with SCAQMD Rule 1195-Clean On-Road School Buses if the District does not meet this rule's exemptions (Appendix 10)
- LAUSD is required to acquire alternative-fueled heavy-duty vehicles when procuring or leasing these vehicles to comply with SCAQMD Rule 1196-Clean On-Road Heavy-Duty Public Fleet Vehicles if the District does not meet this rule's exemptions (Appendix 11)

3.3.4 RESPONSIBILITIES

- The Site Administrator from each site that has stationary and/or portable engines over 50 bhp is responsible for implementing SCAQMD Rule 1110.2 requirements
- The Fleet Maintenance Section, Transportation Branch is responsible for implementing Rules 1186.1, 1195 and 1196 requirements

3.4 MIXING, BLENDING AND ASPHALT PAVEMENT EQUIPMENT

3.4.1 EXEMPTIONS

Any mixing, blending and asphalt pavement equipment that may emit air contaminants are required to obtain a SCAQMD permit if they do not meet one of the following exemptions:

- Batch mixers which have a brimful capacity of 55 gallons or less and control equipment exclusively venting the equipment
- Equipment used exclusively for mixing and blending of materials where no VOC containing solvents are used and no materials in powder form are added
- Concrete mixers, with a rated working capacity of one cubic yard or less and control equipment exclusively venting the equipment
- Equipment used exclusively for mixing and blending of materials to make water emulsions of asphalt, grease, oils or waxes where no materials in powder or fiber form are added
- Equipment used exclusively for the storage, holding, melting and transfer of asphalt or coal tar pitch of less than 600 liters (159 gallons)
- Equipment used exclusively for the storage and/or transfer of an asphalt-water emulsion heated to 150° F or less

3.4.2 REQUIREMENTS

Sites that operate an asphalt pavement heater or an asphalt heater-remixer for the purpose of maintaining, reconditioning, reconstructing or removing asphalt pavement are required to comply with SCAQMD Rule 1120-Asphalt Pavement Heaters.

3.4.3 RESPONSIBILITIES

The AFSD is responsible for implementing Rule 1120 requirements.

3.5 BOILERS, COMBUSTION AND HEAT TRANSFER EQUIPMENT

3.5.1 EXEMPTIONS

Any boilers, steam generators, and process heaters that may emit air contaminants are required to obtain a SCAQMD permit if they do not meet one of the following exemptions:

- Boilers, process heaters or any combustion equipment that has a maximum heat input rate of 2,000,000 Btu per hour or less
- Equipment used exclusively for steam cleaning that has a maximum heat input of 2,000,000 Btu per hour or less

- Equipment used exclusively for space heating that has a maximum heat input of 2,000,000 Btu per hour or less

3.5.2 REGISTRATION

The following equipment are exempt from permits but need to register with SCAQMD:

- Boilers and water heaters that has a maximum heat input rate of 1,000,000 to 2,000,000 Btu per hour

3.5.3 REQUIREMENTS

- Sites with natural gas-fired water heaters with heat input less than 75,000 Btu per hour are required to comply with SCAQMD Rule 1121-Control of Nitrogen Oxides from Residential Type, Natural Gas-Fired Water Heaters if they do not meet this rule's exemptions (Appendix 12).
- Sites with boilers, steam generators, and process heaters of equal to or greater than 5 million Btu per hour rated heat input capacity used in all industrial, institutional, and commercial operations are required to comply with SCAQMD Rule 1146-Emissions of Oxides of Nitrogen from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters if they do not meet this rule's exemptions (Appendix 13)
- Sites with boilers, steam generators, and process heaters that are greater than 2 million Btu per hour and less than 5 million Btu per hour rated heat input capacity used in any industrial, institutional, or commercial operations are required to comply with SCAQMD Rule 1146.1-Emissions of Oxides of Nitrogen from Small Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters if they do not meet this rule's exemptions (Appendix 14)
- Sites with natural gas-fired large (commercial) water heaters, small (industrial) boilers, and process heaters that have a rated input starting at 75,000 Btu per hour up to and including 2,000,000 Btu per hour are required to comply with SCAQMD Rule 1146.2-Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers, and Process Heaters if they do not meet this rule's exemptions (Appendix 15)

3.5.4 RESPONSIBILITIES

The AFSD is responsible for implementing Rules 1121, 1146, 1146.1 and 1146.2 requirements.

3.6 PRINTING EQUIPMENT

3.6.1 EXEMPTIONS

Any printing equipment that may emit air contaminants are required to obtain a SCAQMD permit if they do not meet one of the following exemptions:

- Printing and related coating and/or laminating equipment and associated dryers and curing equipment:
 - (i) not emitting more than 3 pounds per day or 66 pounds per calendar month of VOC emissions; or
 - (ii) not using more than 6 gallons per day or 132 gallons per calendar month of plastisol type inks, including cleanup solvent; or
 - (iii) not using more than 2 gallons per day or 44 gallons per calendar month of any other graphic arts materials
- Printing equipment used exclusively for training and non-production at educational institutions

3.6.2 REQUIREMENTS

Sites performing VOC containing materials screen operating operations are required to comply with SCAQMD Rule 1130.1-Screen Printing Operations if they do not meet this rule's exemptions (Appendix 16)

3.6.3 RESPONSIBILITIES

The Site Administrator from each site that has printing shop is responsible for implementing Rule 1130.1 requirements.

3.7 MACHINING, WELDING, STRUCTURES AND GENERAL EQUIPMENT

3.7.1 EXEMPTIONS

Any machining, welding, structures and general equipment that may emit air contaminants are required to obtain a SCAQMD permit if they do not meet one of the following exemptions:

- Vacuum-cleaning systems used exclusively for industrial, commercial or residential housekeeping purposes
- Hoods, stacks or ventilators
- Ventilation systems
- Welding equipment or oxygen gaseous fuel-cutting equipment and control equipment venting such equipment
- Equipment used exclusively for buffing (except tire buffers), polishing, carving, mechanical cutting, drilling, machining,

pressing, routing, sanding, stamping, surface grinding or turning and control equipment exclusively venting such equipment

- Equipment used exclusively for shredding of wood, or the extruding, handling, or storage of wood chips, sawdust, or wood shavings and control equipment exclusively venting such equipment
- Laboratory testing and quality control testing equipment used exclusively for chemical and physical analysis, and control equipment exclusively venting such equipment
- Equipment used in eating establishments for the purpose of preparing food for human consumption

3.7.2 REQUIREMENTS

Sites with woodworking operations are required to comply with SCAQMD Rule 1137-PM10 Emission Reductions from Woodworking Operations if they do not meet this rule's exemptions (Appendix 17)

3.7.3 RESPONSIBILITIES

The Site Administrator from each site that has wood shop is responsible for implementing Rule 1137 requirements.

3.8 CLEANING EQUIPMENT

3.8.1 EXEMPTIONS

Any cleaning equipment that may emit air contaminants are required to obtain a SCAQMD permit if they do not meet one of the following exemptions:

- Cleaning equipment and associated waste storage tanks used exclusively to store the solutions drained from this equipment:
 - Unheated batch, provided:
 - (i) the volume of the solvent reservoir is one (1) gallon or less, or
 - (ii) the VOC emissions from the equipment are not more than 3 pounds per day or 66 pounds per calendar month
 - Devices used for cleaning of equipment used for the application of inks, adhesives, and coatings provided:
 - (i) the volume of the solvent reservoir is five (5) gallons or less, or
 - (ii) the VOC emissions from the equipment are not more than three (3) pounds per day or 66 pounds per calendar month
 - Remote reservoir cleaners, provided the solvent from the sink-like area immediately drains into an enclosed solvent container while the parts are being cleaned

- Cleaning equipment using materials with a VOC content of twenty-five (25) grams of VOC per liter of material, or less, and associated dryers exclusively serving these cleaners
- Hand application of solvents for cleaning purposes including but not limited to use of rags, daubers, swabs and squeeze bottles

3.8.2 REQUIREMENTS

Sites that use VOC containing solvent materials in solvent cleaning operations during the production, repair, maintenance, or servicing of parts, products, tools, machinery, equipment, or general work areas are required to comply with SCAQMD Rule 1171-Solvent Cleaning Operations if they do not meet this rule's exemptions (Appendix 18).

3.8.3 RESPONSIBILITIES

The AFSD is responsible for implementing Rule 1171 requirements.

3.9 ABRASIVE BLASTING EQUIPMENT

3.9.1 EXEMPTIONS

Any abrasive blasting equipment that may emit air contaminants are required to obtain a SCAQMD permit if they do not meet one of the following exemptions:

- Manually operated abrasive blast cabinet that is vented to dust-filter where the total internal volume of the blast section is 1.5 cubic meters (53 cubic feet) or less, and any dust filter exclusively venting such equipment
- Portable sand/water blaster equipment

3.9.2 REQUIREMENTS

Sites with abrasive blasting equipment or operations are required to comply with SCAQMD Rule 1140-Abrasive Blasting requirements.

3.9.3 RESPONSIBILITIES

The AFSD is responsible for implementing Rule 1140 requirements.

3.10 UTILITY EQUIPMENT

3.10.1 EXEMPTIONS

Any air conditioning systems and refrigeration units that may emit air contaminants are required to obtain a SCAQMD permit if they do not meet one of the following exemptions:

- Comfort air conditioning or ventilating systems which are not designed to remove air contaminants
- Refrigeration units except those used as or in conjunction with air pollution control equipment
- Water cooling towers and water cooling ponds in which no chromium compounds are contained
- Refrigerant recovery and/or recycling units

3.10.2 REGISTRATION

The following equipment are exempt from permits but need to register with SCAQMD:

- Air conditioning systems and refrigeration units that has a refrigerant capacity of more than 50 pounds

3.10.3 REQUIREMENTS

Sites with refrigeration system which holds more than 50 pounds of Class I and/or Class II refrigerant are required to comply with SCAQMD Rule 1415-Reduction of Refrigerant Emissions from Stationary Refrigeration and Air Conditioning Systems requirements.

3.10.4 RESPONSIBILITIES

The AFSD is responsible for implementing Rule 1415 requirements.

3.11 SCAQMD RULES

SCAQMD Rules can be obtained from www.aqmd.gov.

3.12 POSTING OF PERMIT/REGISTRATION

The permit/registration shall be posted in an accessible place within 26 feet of the equipment.

3.13 AMENDING AND RENEWING PERMITS/REGISTRATIONS

The responsible staff from each site needs to notify to the Facilities Division, M&O Energy Unit and OEHS if any amendment or renewal is required on the existing permit/registration.

3.14 INSPECTION

- OEHS staff will perform inspections at schools, M&O facilities, garages and other facilities/offices to ensure that the sites are not in violation of the rules and regulations of SCAQMD, or any condition which makes such premises hazardous, unsafe, or dangerous;

- The OEHS staff will issue the inspection report to the appropriate person at the site within two to four weeks of the inspection date;
- Inspectors from SCAQMD will also perform inspections at the sites.

3.15 PREVENTIVE MAINTENANCE PROGRAMS

To prevent an issuance of excess air contaminants and to comply with the requirements:

- M&O needs to set-up routine maintenance programs for boilers, water heaters and air conditioning systems;
- Sites with spray paint booths need to change filters regularly;
- Garages need to set-up routine inspection programs for gasoline transfer and dispensing facilities.

3.16 NONCOMPLIANCE REPORTING

- The responsible staff from each site shall notify to the OEHS and M&O immediately if there is any instances of noncompliance including exceedances of permit limits.
- The OEHS will notify appropriate regulatory agencies if necessary.

4.0 TRAINING

OEHS is responsible for providing air emission requirements training to responsible staff at M&O facilities, garages, schools and other facilities/offices.

5.0 RECORDKEEPING

The following records are to be retained in the time frame specified below:

Records	Forms	Responsible Person	Time Frame
Records of solvent usage – wood shop	Appendix 19	Site Administrator	2 Years
Records of coating, adhesive & solvent usage – spray booth	Appendix 20	Site Administrator	2 Years
Records of coating and solvent usage – automobile shop	Appendix 21	Site Administrator	2 Years
Records of clean-up solvent usage – spray gun cleaning	Appendix 21	Site Administrator	2 Years
Refrigeration and air conditioning systems <ul style="list-style-type: none"> • A log of the quantity of each refrigerant charged to the refrigeration system and the date of each charge • Annual Refrigerant Loss • A log of malfunctions of the refrigerant system • Bill of lading (shipping document) for recycling refrigerant at off-site facility 	Appendix 23 Appendix 24 Appendix 25 Appendix 26	AFSD	2 Years
Gasoline transfer and dispensing <ul style="list-style-type: none"> • Daily Inspection • Repair logs • Periodic Compliance Inspection • Monthly gasoline throughput records • Training records • Performance and Reverification Testing 	Appendix 27 Appendix 28 Appendix 29 Appendix 30 Appendix 31	Garage Supervisor	2 Years
Monthly engine operating log for stationary and portable engines	Appendix 32	Site Administrator	5 Years

APPENDIX 1
EXEMPTIONS FOR
RULE 481. SPRAY COATING OPERATIONS

The provisions of this rule shall not apply to:

- (1) Spray coating of three gallons per day or less of coatings at a single location. Records of coating usage shall be maintained pursuant to Rule 109.
- (2) Spray coating of 66 gallons per calendar month or less of coatings at a single location. Records of coating usage shall be maintained pursuant to Rule 109.
- (3) Spray coating of a dwelling and its appurtenances by the owner or occupant of a four-family dwelling or less.
- (4) Spray coating of lacquers on cabinets and wood and simulated-wood surfaces adhesives, fibrous coatings, abrasive materials, portland cement mixtures, elastomers, stains, metal surface primers, or textured coatings, provided such spray coating cannot be conducted inside a control enclosure.
- (5) Spray coating for construction or maintenance purposes of: structural steel; pipes, valves and flanges six inches in diameter or less; ornamental objects on buildings, structures and their appurtenances; or aircraft ground support equipment which cannot fit inside of a spray enclosure with effective internal dimensions of 10'W x 25'L x 8'H.
- (6) Spray coating of catalyzed epoxy or polyurethane primers or coatings on large aerospace subassemblies or completed vehicles where the stage of assembly precludes placement inside a control enclosure.
- (7) Any control enclosure connected to an external air pollution control device with a control efficiency equivalent to the filters specified in paragraph (c)(1) of this rule and which has been approved by the Executive Officer.
- (8) Application of extreme high gloss topcoats used in marine pleasure craft coating operations.

APPENDIX 2
EXEMPTIONS FOR
RULE 1107. COATING OF METAL PARTS AND PRODUCTS

- (1) The provisions of paragraphs (c)(1) and (c)(2) of this rule shall not apply to:
 - (A) Stencil coatings;
 - (B) Safety-indicating coatings;
 - (C) Magnetic data storage disk coatings;
 - (D) Solid-film lubricants;
 - (E) Electric-insulating and thermal-conducting coatings.
- (2) The provisions of paragraph (c)(1) of this rule shall not apply to the application of touch-up coatings, repair coatings, and textured finishes. This exemption shall expire for the application of metallic coatings which have a metallic content of 30 grams per liter, mold seal coatings, and to facilities that use less than 3 gallons per day or less than 66 gallons per calendar month of coating, as applied, including an VOC containing materials added to the original coating as supplied by the manufacturer, effective July 1, 2006.
- (3) The provisions of paragraphs (c)(1), (c)(2), and (c)(3) of this rule do not apply to the application of coatings and use of cleaning solvents while conducting performance tests on the coatings at paint manufacturing facilities.
- (4) The provisions of paragraph (c)(2) of this rule shall not apply to high performance architectural, vacuum-metalizing, and/or pretreatment coatings used at a facility which has the potential to emit a total of 10 tons or less per year of VOCs, before application of add-on controls.
- (5) The provisions of paragraph (c)(2) of this rule shall not apply to aerosol coating products.
- (6) The provisions of paragraph (c)(2) of this rule shall not apply to the use of essential public service coatings provided such aggregate use does not exceed 55 gallons in any one calendar year per facility.
- (7) The provisions of paragraph (c)(2) of this rule shall not apply to the use of optical anti-reflective coatings provided such aggregate use does not exceed 10 gallons in any one calendar year, per facility.
- (8) The provisions of paragraph (c)(2) shall not apply to electro coatings provided the VOC content of coating concentrates do not exceed 450 grams per liter, less water and less exempt compounds, and the usage of coating concentrates is less than 66 gallons per calendar month, per facility, including any VOC-containing materials added to the concentrate, as supplied by the manufacturer, and any VOC-containing materials added to the bath as make-up solvents.
- (9) The provisions of paragraph (c)(2) shall not apply to photo resist operations applying liquid photo resist coating used for photo fabrication of metal substrates with a thickness not exceeding 0.060 inches provided the annual usage per facility is 10 gallons or less.

APPENDIX 3
EXEMPTIONS FOR
RULE 1113. ARCHITECTURAL COATINGS

- (1) The provisions of this rule shall not apply to:
 - (A) Architectural coatings in containers having capacities of one quart or less, provided that the manufacturer submits an annual report to the Executive Officer within three months of the end of each calendar year. The report shall contain information as required by the Executive Officer to monitor the use of the small container exemption. The loss of this exemption due to the failure of the manufacturer to submit an annual report shall apply only to the manufacturer. Effective July 1, 2006 clear wood finishes, including varnishes and sanding sealers; and lacquers, including pigmented lacquers, in containers having capacities of one quart or less shall no longer be exempt from the requirements of this rule.
 - (B) Architectural coatings sold in this District for shipment outside of this District or for shipment to other manufacturers for repackaging; or
 - (C) Emulsion type bituminous pavement sealers; or
 - (D) Aerosol coating products.
 - (E) Use of stains and lacquers in all areas within the District at an elevation of 4,000 feet or greater above sea level.
- (2) Notwithstanding the provisions of paragraph (c)(2), 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:
 - (A) The coating is not applied from April 1 to October 31 of any year.
 - (B) The coating contains acetone and no more than 550 grams of VOC per liter of coating (275 grams of VOC per liter of coating after January 1, 2005), less water and exempt compounds, prior to the addition of VOC.
- (3) The January 1, 2005 VOC limit for lacquers shall not be applicable until January 1, 2007 and the July 1, 2008 VOC limit for flat coatings shall not be applicable to any manufacturer which meets all of the following criteria:
 - (A) The total gross annual receipts are \$2,000,000 or less, and
 - (B) The total number of employees is 100 or less, and
 - (C) The manufacturer requesting this exemption files a written request with the Executive Officer annually which includes, but is not limited to:
 - (i) The total gross annual receipts for each of the last three years.
 - (ii) The total number of employees for each of the last three years. For the purposes of determining the total gross annual receipts and the total number of employees, a manufacturer shall include data from all facilities (both within and outside of the District) which they own, operate, have an ownership interest, or are legally affiliated. If a manufacturer exceeds the criteria specified in subparagraphs (g)(3)(A) or (g)(3)(B) any time after the initial request is filed with the Executive Officer, this exemption shall be immediately terminated, the manufacturer shall forfeit any future eligibility for this exemption, and the manufacturer shall be considered in violation of

this rule for each and every day that lacquers or flat coatings which do not comply with the respective VOC limit in the Table of Standards are supplied, sold, or offered for sale within the District. The loss of this exemption due to the manufacturer exceeding the criteria in subparagraphs (g)(3)(A) or (g)(3)(B) shall apply only to the manufacturer.

- (4) The provisions of paragraph (c) shall not apply to facilities which apply coatings to test specimens for purposes of research and development of those coatings.
- (5) The July 1, 2006 VOC limit for nonflats, primers, sealers, and undercoaters, quick-dry enamels, waterproofing concrete/masonry sealers and rust-preventative coatings shall not be applicable until July 1, 2008 to any manufacturer which meets all of the following criteria:
 - (A) The total gross annual receipts are \$5,000,000 or less, and
 - (B) The total number of employees is 100 or less, and
 - (C) The manufacturer requesting this exemption files a written request with the Executive Officer annually which includes, but is not limited to:
 - (i) The total gross annual receipts for each of the last three years.
 - (ii) The total number of employees for each of the last three years. For the purposes of determining the total gross annual receipts and the total number of employees, a manufacturer shall include data from all facilities (both within and outside of the District) which they own, operate, have an ownership interest, or are legally affiliated. If a manufacturer exceeds the criteria specified in subparagraphs (g)(5)(A) or (g)(5)(B) any time after the initial request is filed with the Executive Officer, this exemption shall be immediately terminated, the manufacturer shall forfeit any future eligibility for this exemption, and the manufacturer shall be considered in violation of this rule for each and every day that nonflats, primers, sealers, and undercoaters, quick-dry enamels, and rust preventative coatings do not comply with the respective VOC limit in the Table of Standards are supplied, sold, or offered for sale within the District. The loss of this exemption due to the manufacturer exceeding the criteria in subparagraphs (g)(5)(A) or (g)(5)(B) shall apply only to the manufacturer.
- (6) Effective January 1, 2005 through December 31, 2006, roof coatings with a VOC content of 100 grams per liter or less that are certified under the U.S. EPA Energy Star Program shall not be subject to the VOC limit in the Table of Standards.

APPENDIX 4
EXEMPTIONS FOR
RULE 1130. GRAPHIC ARTS

- (1) Fountain solutions used on proof presses.
- (2) Coating operations subject to other rules of Regulation XI.
- (3) Solar-control window film.
- (4) Heat-applied transfer decals.
- (5) Graphic arts on ceramic materials.
- (6) Circuitry printing.
- (7) Blanket repair material used in containers of four ounces or less.
- (8) Sterilization indicating inks.
- (9) The prohibition specified in paragraphs (d)(1) or (d)(2) shall not apply to persons offering graphic arts materials for sale to, selling graphic arts materials to, distributing graphic arts materials to, or requiring the use of graphic arts materials from, persons who are operating an approved emission control system under paragraph (c)(4), or complying under paragraph (c)(5) , or operating pursuant to paragraphs (i)(1), (i)(2), (i)(3), (i)(4), (i)(5), (i)(6), (i)(7), (i)(8), (i)(11)(C), (i)(12), or (i)(13).
- (10) The prohibition specified in subdivision (d) shall not apply to graphic arts materials which will be used solely outside of the District.
- (11) The provisions of paragraph (c)(1) shall not apply to metallic and matte finish inks provided that:
 - (A) The usage of matte finish or metallic inks each as supplied shall not exceed two (2) gallons on any one day and 125 gallons per calendar year at a facility; and
 - (B) The potential to emit and the actual VOC emissions from a facility which applies matte finish or metallic inks does not exceed ten (10) tons per calendar year from all VOC emission sources; and
 - (C) The VOC content of matte finish and metallic inks do not exceed 535 and 460 grams per liter (less water and less exempt compounds) respectively, including any VOC containing materials added to the original ink, as applied; and
 - (D) The owner or operator of the facility certifies in writing to the Executive Officer that they shall not emit VOCs in exceeds of ten (10) tons per calendar year. Such a certification shall be considered an agreement by the facility to limit the facility's potential to emit; and
 - (E) Facilities operating under the provisions (i)(11) whose actual emissions exceed ten (10) tons in any calendar year shall henceforth be subject to the requirements of paragraph (c)(1); and
 - (F) In addition to the requirements of subdivision (e), facilities shall retain records of purchase orders and invoices of VOC-containing materials for a minimum of two (2) years.
- (12) The provisions of this rule shall not apply to aerosol coating products.
- (13) The provisions of paragraph (c)(1) shall noty apply to postal cancellation inks provided the VOC emissions from these inks, at a facility, do not exceed 60 pounds per calendar year

APPENDIX 5
EXEMPTIONS FOR
RULE 1136. WOOD PRODUCTS COATINGS

- (1) The provisions of paragraphs (c)(1) and (c)(2) of this rule shall not apply to facilities that use less than one gallon per day of coating, as applied, subject to this rule.
- (2) The provisions of this rule shall not apply to coating operations subject to, and in compliance with, the provisions of Rule 1104.
- (3) The provisions of subparagraphs (c)(1)(A) and (C) shall not apply to the manufacturing of classic guitars until July 1, 2005.
- (4) Refinishing, Replacement, and Custom Replica Furniture Operations: Until July 1, 1998, the provisions of subparagraphs (c)(1)(A) and (C) shall not apply to any refinishing operations necessary for preservation, to return the wood product to original condition, to replace missing furniture to produce a matching set, or to produce custom replica furniture, provided records are maintained daily for two years as to the amount, type and VOC content of each coating used.
- (5) The provisions of paragraph (c)(1) shall not apply to touch-up and Repair coatings until July 1, 2005.
- (6) The provisions of this rule shall not apply to aerosol coating products.
- (7) Notwithstanding the requirements of Rule 109(c)(1), Recordkeeping for Volatile Organic Compound Emissions, any facility that switches to waterborne coatings that meet the July 1, 2005 VOC limits may request written approval from the Executive Officer to record data on up to a quarterly basis, provided the Executive Officer determines that such recordkeeping allows for an equivalent level of enforceability.
- (8) Notwithstanding the provisions of paragraph (c)(2), a person or facility may use:
 - (A) any spray equipment that uses only coatings that comply with the July 1, 2005 VOC limits; or
 - (B) any spray equipment, except conventional air spray, that uses only coatings that contain 550 grams, or less, of VOC per liter of coating, less water and less exempt compounds.
- (9) The provisions of paragraph (c)(2) shall not apply to air brushes with a capacity of four fluid ounces, or less.
- (10) The provisions of subparagraph (c)(1)(A) shall not apply to japans, provided the VOC content is 700 grams of VOC per liter of coating, less water and exempt compounds, or less, as applied.
- (11) Notwithstanding the provisions of subparagraph (c)(1)(A), a person or facility may add up to 10% by volume of VOC to a topcoat, primer, sealer or undercoat to avoid blushing of the finish during high humidity provided that:
 - (A) the coating is not applied from April 1 to October 31 of any year; and
 - (B) 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.

APPENDIX 6
EXEMPTIONS FOR
RULE 1151. MOTOR VEHICLE AND MOBILE EQUIPMENT NONASSEMBLY
LINE COATING OPERATIONS

- (1) The provisions of paragraph(c)(4) of this rule shall not apply to:
 - (A) touch-up coatings.
 - (B) stencil coatings.
- (2) The prohibition specified in subdivision (d) shall not apply to coatings or spray equipment which will be used solely outside of the District.
- (3) The requirements of paragraph (c)(1) shall not apply to coatings applied for educational purposes at coating training centers, which are owned and operated by coating manufacturers, provided that the VOC emissions emitted at a coating training center from coatings not complying with paragraph (c)(1) do not exceed twelve (12) pounds per day.
- (4) The provisions of this rule shall not apply to aerosol coating products.
- (5) The requirements of paragraphs (c)(1), (d)(1), (d)(2), and (d)(3) shall not apply to topcoats supplied by an assembly-line motor vehicle manufacturer for use by a prototype motor vehicle manufacturing facility in the finishing of a prototype motor vehicle, provided that the VOC emissions at the prototype motor vehicle manufacturing facility from such topcoats does not exceed 21 pounds in a calendar day and 930 pounds in a calendar year.
- (6) The requirements of paragraph (e)(1) shall not apply to coating manufacturers that only sell or offer for sale for use in the District clearcoat that is formulated and recommended for use in conjunction with only waterborne-basecoats.
- (7) The requirements of paragraph (e)(2) shall not apply to a coating manufacturer's clearcoats which are formulated and recommended for use in conjunction with only waterborne basecoats.

APPENDIX 7
EXEMPTIONS FOR
RULE 1168. ADHESIVE AND SEALANT APPLICATIONS

- (1) The provisions of paragraph (c)(1) and paragraph (c)(2) shall not apply to the following:
 - (A) Adhesives used in tire repair; or
 - (B) Adhesives and/or adhesive application processes in compliance with Rules 1104, 1106, 1128, 1130 and 1130.1.
- (2) The provisions of this rule shall not apply to aerospace components that are subject to Rule 1124.
- (3) The provisions of paragraph (c)(5) and subdivision (d) shall not be applied to the application of adhesives or sealants that contain less than 20 g/L of VOC per liter of adhesives, less water and less exempt compounds.
- (4) The provisions of this rule shall not apply to any facility that uses less than one pint of total adhesives and sealants in any one day so long as the products were purchased prior to September 15, 2000.
- (5) The provisions of subdivision (c) shall not apply to research and development programs and quality assurance labs, provided that:
 - (A) A record is kept of:
 - (i) The date when the adhesives and sealants are used, and the type of application(s); and
 - (ii) The amount of adhesives and sealants used and the VOC content of such adhesives and sealants; and
 - (iii) The amount of solvents used and VOC content of such solvents; and
 - (iv) The manufacturer/suppliers identification and type of material; and
 - (B) Such records shall be retained in accordance with the provisions of subdivision (e) of this rule.
- (6) The provisions of paragraph (c)(1) and paragraph (c)(2) shall not apply to a facility that demonstrates that the total volume of non-compliant adhesives, adhesive primers, adhesive bonding primers, sealants, and sealant primers is less than 55 gallons per facility per rolling 12-month period. On and after September 1, 2001, a facility may not use this paragraph to exclude non-compliant adhesives used in architectural applications, contact adhesives, special purpose contact adhesives and adhesives used on porous substrates.
- (7) The provisions of this rule, except paragraph (h)(2), shall not apply to adhesives used to glue flowers to parade floats.
- (8) The provisions of subdivision (c) shall not apply to solvent welding operations used in the manufacturing of medical devices.
- (9) The provisions of this rule shall not apply to aerosol adhesives and primers dispensed from aerosol spray cans.
- (10) The provisions of paragraph (c)(1) and paragraph (c)(2) shall not apply to any adhesive used exclusively for thin metal laminating operations, provided that the adhesive contains less than 780 grams of VOC per liter of adhesive, less water and less exempt compounds, as applied, and the facility uses a total of three gallons per day or less of these adhesives.

- (11) The provisions of this rule, except paragraph (h)(2) and subdivision (d), shall not apply to light curable adhesives and sealants with a VOC content no more than 50 grams per liter, less water and less exempt compounds.
- (12) The provisions of this rule, except paragraph (h)(2), shall not apply to the use of cyanoacrylate adhesives.
- (13) The provisions of this rule shall not apply to adhesives and sealants subject to the California Air Resources Board consumer products regulation found in Title 17 of the California Code of Regulations, beginning at Section 94507.
- (14) Until October 1, 2003, the provisions of paragraph (c)(1) and paragraph (c)(2) shall not apply to solvent welding of flexible ductwork, at which time the VOC limit shall be 250 grams per liter, less water and less exempt compounds.
- (15) A person may sell or apply a non-complying VOC-containing or methylene chloride-containing product for one year after the applicable effective date in paragraph (c)(2) for VOC-containing adhesives and sealants, and for one year after the applicable effective date of paragraph (h)(2) or subparagraph (h)(3)(D) for methylene chloride-containing adhesives and sealants, provided:
 - (A) The product complies with the previous applicable VOC limit,
 - (B) The product was manufactured prior to the effective date, and
 - (C) The date of manufacture or a code indicating that date is clearly displayed on the product.
- (16) The provisions of this rule, except paragraph (h)(2), shall not apply to adhesives used to fabricate orthotics and prosthetics under a medical doctor's presentation.
- (17) The provisions of this rule, except paragraph (h)(2), shall not apply to shoe repair, luggage and handbag adhesives.

APPENDIX 8
EXEMPTIONS FOR
RULE 1110.2 EMISSIONS FROM GASEOUS- AND LIQUID-FUELED ENGINES

The provisions of subdivision (d) shall not apply to:

- (1) Emergency standby engines as approved by the Executive Officer, which operate 200 hours or less per year as determined by an elapsed operating time meter.
- (2) Engines used for fire-fighting and flood control.
- (3) Laboratory engines used in research and testing purposes.
- (4) Engines operated for purposes of performance verification and testing of engines.
- (5) Auxiliary engines used to power other engines or gas turbines during startups.

APPENDIX 9
EXEMPTIONS FOR
RULE 1186.1. LESS-POLLUTING SWEEPERS

- (1) The provisions of this rule shall not apply to fleets consisting of evaluation/test vehicles, provided by or operated by the vehicle manufacturer or manufacturer representative for testing or evaluation, exclusively.
- (2) The provisions of subdivision (d) shall not apply to a sweeper purchase by a fleet operator that is solely dedicated to serving governmental agencies that are not subject to this rule, upon demonstration to and approval of the Executive Officer.

APPENDIX 10
EXEMPTIONS FOR
RULE 1195. CLEAN ON-ROAD SCHOOL BUSES

The provisions of this rule shall not apply to the following:

- (1) A public or private school bus fleet operator may purchase a Type A or B school bus that is not certified by CARB as ULEV or cleaner; or a Type C or D school bus that is not an alternative-fueled school bus as required under subdivision (d) of this rule, if sufficient grant funding or external sources of funding beyond that of the school bus fleet operator's fiscal budget is not available to fully offset the differential purchase cost (including costs of warranties comparable to base warranties provided with a comparable diesel purchase) of an alternative-fueled school bus that complies with subdivision (d) compared to the cost of a new [or, preexisting if the purchase is considered under subparagraphs (d)(1)(C) or (d)(1)(D)] diesel-powered school bus equipped with an approved control device. The operator shall purchase an "intermediate diesel school bus" as defined in the latest version of the Statewide Lower-Emission School Bus Program (adopted by CARB December 2000) if funding is available for such a purchase. The intermediate diesel school bus must be certified by CARB as part of the Statewide Lower-Emission School Bus Program. If funding is not available, the operator shall consider the viability of a gasoline-powered school bus and demonstrate to the Executive Officer by submitting supporting documentation as to the reasons for the need to purchase a diesel-powered school bus if the diesel-powered school bus is the final choice. A demonstration of need may be based upon safety of use, additional cost to deploy a gasoline refueling infrastructure, commercial unavailability, or other similar reasons. The diesel-powered school bus must be equipped with an approved control device if external funding beyond the school bus fleet operator's financial budget is made available. In addition, to the extent external funding is available to equip existing diesel-powered school buses with approved control device, the operator shall equip at a minimum 15 percent of the existing diesel school buses with approved control devices on a yearly basis until the entire fleet of existing diesel-powered school buses that are capable of operating with approved control devices are equipped with such devices.
- (2) Notwithstanding subparagraph (e)(1) and prior to January 1, 2004, if a public or private school bus fleet operator does not receive external funding (beyond the school bus fleet operator's financial budget) of at least \$13,000 until April 1, 2003, and then \$8,000 per alternative-fuel school bus purchased to build a new alternative-fuel refueling station and to upgrade an existing maintenance facility to required standards to handle alternative-fueled school buses, the school bus fleet operator may purchase a diesel-powered school bus. For the purpose of this provision, any external funding other than funds to cover the incremental cost of the purchase of the alternative-fueled school bus offered by a publicly-funded incentives program, shall be considered to be available to cover the cost of a new alternative-fuel refueling station. If the school bus is diesel powered, the school bus shall be equipped with an approved control device if external funding beyond the school bus fleet operator's financial budget is made available. In

addition, to the extent external funding is available to equip existing diesel-powered school buses with approved control device, the operator shall equip at a minimum 15 percent of the existing diesel school buses with approved control devices on a yearly basis until the entire fleet of existing diesel-powered school buses that are capable of operating with approved control devices are equipped with such devices.

- (3) Upon demonstration to the Executive Officer that an alternative-fueled or gasoline-powered engine/chassis/body configuration is not commercially available in a specific bus size or could be used on a specific fixed bus route, a diesel-powered school bus equipped with an approved control device may be purchased in that specific bus size or as needed for the specific fixed bus route.
- (4) A public or private school bus fleet operator may purchase a pre-owned school bus that does not meet the requirements of subdivision (d) if the oldest school bus in the operator's existing school bus fleet is scrapped or otherwise removed permanently from operation. The pre-owned school bus must be less than six (6) years old at the date of purchase. The preowned school bus shall be equipped with an approved control device at the expense of the school bus fleet operator. However, the school bus fleet operator may apply for external funding to offset any additional costs if such funding is available.
- (5) If during the year that school is in session, a public or private school bus fleet operator needs additional school buses due to unforeseen circumstances to operate during that school year, the operator may lease the needed quantity of school buses that do not comply with the provisions of subdivision (d) for the months necessary to purchase or lease school buses compliant to subdivision (d), not to exceed the remaining portion of the school year, if a demonstration is made that the rule-compliant school bus cannot be deployed by the school bus fleet operator within one month from the date of order.
- (6) For purposes of this rule, a private school bus fleet operator is not deemed to have purchased, leased, added to, or formed a new fleet if the private school bus fleet operator, as part of a purchase or merger with another private school bus fleet operator that provides contracted school bus transportation services, transfers ownership of school buses that are already operating in the District at the time of the purchase or merger.
- (7) Contract agreements signed prior to the date of adoption of this rule for the purchase or lease of school buses. The operator should consider equipping the diesel-powered school buses purchased under this provision with approved control devices to the extent that external funding is available for the approved control device. This provision shall not apply to unsigned options to be executed at a future date under the contract agreement.
- (8) Prior to July 1, 2008 and upon demonstration to the Executive Officer that an alternative-fuel refueling station for alternative-fueled school buses is not available within five miles of the vehicle storage or maintenance yards and the public or private school bus fleet operator has not received external funding (beyond the school bus fleet operator's fiscal budget) of at least \$8,000 per alternative-fueled school bus purchased to build a new alternative-fuel refueling station, a public or private school bus fleet operator may purchase or lease school buses that are not alternative-fueled school buses as required under subdivision (d) if this rule. The operator shall purchase an "intermediate diesel

school bus” as defined in the latest version of the Statewide Lower-Emission School Bus Program (adopted by CARB December 2000) if funding is available for such a purchase. The intermediate diesel school bus must be certified by CARB as part of the Statewide Lower-Emission School Bus Program. If funding is not available, the operator shall consider the viability of a gasoline-powered school bus and demonstrate to the Executive Officer by submitting supporting documentation as to the reasons for the need to purchase a diesel-powered school bus if the diesel-powered school bus is the final choice. A demonstration of need may be based upon safety of fuel usage, additional cost to deploy a gasoline refueling infrastructure, commercial unavailability, or other similar reasons. The diesel-powered school bus must be equipped with an approved control device if the school bus relies on diesel fuel.

- (9) For the purpose of transporting passengers on field trips outside of the jurisdiction of the District and when the remainder of the fleet consists of school buses that meet the requirements of subdivision (d), no more than 10 percent of the school buses for school bus fleets of 100 or more, or five (5) school buses for school bus fleets with 50 or less school buses or ten
- (10) school buses for school bus fleets with between 51 and 100 school buses, that do not meet the requirements of Subdivision (d) of this rule may be part of the fleet at any given time. Such vehicles shall be equipped with approved control devices if the vehicles are diesel-powered and external funding is available.

APPENDIX 11
EXEMPTIONS FOR
RULE 1196. CLEAN ON-ROAD HEAVY-DUTY PUBLIC FLEET VEHICLES

The provisions of this rule shall not apply to the following:

- (1) Emergency or rescue vehicles operated by local, state, and federal law enforcement agencies, police and sheriffs department, fire department, hospital, medical or paramedic facility, and used for responding to situations where potential threats to life or property exist, including but not limited to fire, ambulance calls, or life-saving calls.
- (2) Privately owned or operated heavy-duty vehicle fleets that provide contract services to a public agency. Nevertheless, privately owned or operated heavy-duty vehicle fleets may be required to meet other SCAQMD rules such as Rules 1192, 1193, 1194, or 1186.1.
- (3) No more than ten evaluation/test vehicles per fleet, provided by or operated by vehicle manufacturer for testing or evaluation, exclusively.
- (4) Any vehicle added to or replacing a vehicle in an existing fleet after the applicable implementation date of this rule, as specified in subdivision (d), as long as the purchase contract for acquisition of such vehicle is signed before the date of adoption of this rule. This exemption does not apply to the execution of options to acquire vehicles where the option is executed after the date of adoption of this rule and where vehicle delivery does not occur until after the applicable implementation date as specified in subdivision (d).
- (5) Military vehicles used for tactical operations.
- (6) Heavy-duty vehicles used routinely to transport materials in and out of the District.
- (7) Heavy-duty vehicles operated and housed by state agencies or special districts in the Riverside County portion of the Mojave Desert Air Basin and located within the District if the vehicles are equipped with approved control devices.
- (8) When the remainder of the fleet consists of heavy-duty vehicles that meet the requirements of paragraphs (d)(1) or (d)(2),
 - (a) For public fleets with greater than 15 but less than 100 heavy-duty vehicles, no more than three (3) heavy-duty vehicles that do not meet the requirements of Subdivision (d) of this rule may be part of the fleet at any given time. Such vehicles shall be equipped with approved control devices.
 - (b) For public fleets with 100 or more heavy-duty vehicles, no more than three (3) heavy-duty vehicles that do not meet the requirements of Subdivision (d) of this rule may be part of the fleet and are garaged, housed, parked, stored at any single vehicle storage or maintenance yard at any given time. Such vehicles shall be equipped with approved control devices. A public fleet operator may deploy these vehicles and place them at any one vehicle storage or maintenance yard if the public fleet operator submits a plan to the SCAQMD demonstrating that a proportionate number of such heavy-duty vehicles is reduced at other facilities operated by the public fleet operator.
- (9) Heavy-duty vehicles leased for no more than 120 days in any 12-month period by the U.S. Postal Service during the peak winter holiday period.

- (10) Heavy-duty vehicles owned or operated by federal agencies, state agencies, county agencies, or special districts whose jurisdiction include areas outside of the District and the heavy-duty vehicles are garaged, housed, parked, stored or operated within the District for no more than 180 days in any 12-month period.

APPENDIX 12
EXEMPTIONS FOR
RULE 1121 CONTROL OF NITROGEN OXIDES FROM RESIDENTIAL
TYPE, NATURAL GAS-FIRED WATER HEATERS

The provisions of this rule shall not apply to:

- (1) Water heaters with a rated heat input capacity of 75,000 Btu per hour or greater.
- (2) Water heaters used in recreational vehicles.

APPENDIX 13
EXEMPTIONS FOR
RULE 1146. EMISSIONS OF OXIDES OF NITROGEN FROM INDUSTRIAL, INSTITUTIONAL, AND
COMMERCIAL BOILERS, STEAM GENERATORS, AND PROCESS HEATERS

A one-time exemption from the requirements of paragraphs (c)(1), (c)(2), (c)(3), (c)(4), (c)(8) and (c)(12) is allowed for any owner or operator of a standby boiler whose fuel usage from all fuels exceeded 90,000 therms but was not greater than 110,000 therms of annual heat input during the calendar year 1996. As a condition of this exemption, an owner or operator shall submit an application for a permit modification by July 31, 2000 and accept additional permit conditions that provide for a daily emission increase, above what is allowed under paragraph (c)(1), (c)(2), (c)(3), and (c)(4) of less than 55 pounds per day of NO_x for all standby boilers subject to this subdivision, an annual heat input of less than 90,000 therms for each standby boiler, and a daily recordkeeping condition.

APPENDIX 14
EXEMPTIONS FOR
RULE 1146.1. EMISSIONS OF OXIDES OF NITROGEN FROM SMALL INDUSTRIAL, INSTITUTIONAL,
AND COMMERCIAL BOILERS, STEAM GENERATORS, AND PROCESS HEATERS

The provisions of paragraph (c)(1) shall not apply provided the owner or operator:

- (1) Installs by January 1, 1992, or at the time the permit to construct for the unit is issued, a non-resettable, totalizing fuel meter for each fuel that demonstrates that the unit(s) operate with an annual heat input at or below 18,000 therms per calendar year; and
- (2) Has available for inspection by the Executive Officer by February 1 of each year, records listing cumulative annual usage of each fuel for the preceding calendar year. Records shall be maintained and made accessible to the Executive Officer or authorized District representative for a period of two years; and
- (3) Demonstrates compliance with the requirements specified in subparagraphs (c)(2)(A) or (c)(2)(B), and (c)(3).

LOSS OF EXEMPTION

If any unit subject to a compliance plan submitted pursuant to paragraph (c)(3) exceeds 18,000 therms of annual heat input in any calendar year after 1992, the owners or operators shall:

- (1) Within 4 months after the end of the calendar year during which the unit exceeded 18,000 therms of annual heat input, submit required applications for permits to construct and operate; and
- (2) Within 18 months after the end of the calendar year during which the unit exceeded 18,000 therms of annual heat input, demonstrate and maintain compliance with paragraph (c)(1) for the life of the unit; and
- (3) Maintain compliance with requirements of paragraph (c)(2) until compliance with paragraph (c)(1).

APPENDIX 15
EXEMPTIONS FOR
RULE 1146.2. EMISSIONS OF OXIDES OF NITROGEN FROM LARGE WATER HEATERS AND
SMALL BOILERS AND PROCESS HEATERS

- (1) The provisions of this rule shall not apply to:
 - (A) Units used in recreational vehicles.
 - (B) Units subject to the limits in District Rule 1121 – Control of Nitrogen Oxides From Residential Type, Natural Gas-fired Water Heaters.
- (2) The provisions of paragraphs (c)(3), (c)(4), and (c)(5) shall not apply to:
 - (A) Any residential unit.
 - (B) Units with a rated heat input capacity greater than 400,000 Btu per hour, but less than or equal to 2,000,000 Btu per hour that are demonstrated to use less than 9,000 therms during every calendar year. Compliance with the exemption limit shall be demonstrated by a calculation based on the annual fuel consumption recorded by an in line fuel meter or the annual operating hours recorded by a timer and using one of the following methods.
 - (i) Annual therm usage recorded by fuel meter and corrected to standard pressure; or
 - (ii) Amount of fuel (i.e., in thousand cubic feet of gas corrected to standard pressure) converted to therms using the higher heating value of the fuel; or
 - (iii) Annual therm usage calculated by multiplying the number of hours fuel is burned by the rated heat input capacity of the unit converted to therms.
- (3) The NO_x emission limits of paragraphs (c)(1), (c)(2), (c)(3), (c)(4) and (c)(5) of this rule shall not apply to units located at RECLAIM facilities.

APPENDIX 16
EXEMPTIONS FOR
RULE 1130.1. SCREEN PRINTING OPERATIONS

- (1) The requirements of subparagraphs (c)(1)(A), (c)(1)(B), or (c)(1)(C) shall not apply to a facility which emits two (2) pounds or less of VOC each and every day from the use of screen printing materials.
- (2) The requirements of subparagraphs (c)(1)(A), (c)(1)(B), or (c)(1)(C) shall not apply to screen printing operations performed by manufacturers of screen printing materials for purposes of conducting performance laboratory tests or doing research and development, provided that the VOC emissions from such screen printing operations are two (2) pounds or less per day.
- (3) The prohibition specified in paragraph (c)(6) shall not apply to VOCcontaining materials subject to the provisions of this rule which will be used solely outside of the District if records are maintained to the satisfaction of the Executive Officer.
- (4) The prohibition specified in paragraph (c)(6) shall not apply to persons selling to, distributing to, or requiring the use of non-compliant materials by, other persons who are operating an approved emission control system under subdivision (d), or operating pursuant to paragraph (h)(1).

APPENDIX 17
EXEMPTIONS FOR
RULE 1137. PM10 EMISSION REDUCTIONS FROM WOODWORKING OPERATIONS

- (1) The requirements of subdivision (d) and (e) shall not apply to the following:
 - (A) Woodworking equipment that vents solely to a stand alone emission control device or into an enclosed room.
 - (B) Woodworking equipment used in demonstrations that last less than 30 consecutive days at one location.
- (2) The requirements of paragraph (d)(6) shall not apply when maximum instantaneous wind gusts exceed 25 miles per hour, provided that the operator applies water to the entire surface area after opening the sawdust storage bin prior to initiating waste disposal activities.

APPENDIX 18
EXEMPTIONS FOR
RULE 1171. SOLVENT CLEANING OPERATIONS

- (1) The provisions of this rule, except (c)(1), Solvent Requirements, shall not apply to cleaning operations using a solvent containing no more than 25 grams of VOC per liter of material, provided that, if the Executive Officer determines that a person has violated any provision of paragraph (c)(1), Solvent Requirements, then for a period of three years following such violation, paragraph (c)(6), Recordkeeping Requirements, shall apply to the facility at which the violation occurred.
- (2) The following solvent cleaning operations or activities are not subject to any provision of this rule:
 - (A) Cleaning carried out in batch loaded cold cleaners, vapor degreasers, conveyORIZED degreasers, or motion picture film cleaning equipment.
 - (B) Cleaning operations subject to Rule 1102 – Petroleum Solvent Dry Cleaners, and Rule 1421 – Control of Perchloroethylene Emissions from Dry Cleaning Operations.
 - (C) Cleaning operations subject to Rule 1164 – Semiconductor Manufacturing.
 - (D) Cleaning operations subject to Rule 1124 – Aerospace Assembly and Component Manufacturing Operations, except coating application equipment cleaning, and storage and disposal of VOC-containing materials used in solvent cleaning operations.
 - (E) Cleaning operations subject to Rule 1141 – Control of Volatile Organic Compound Emissions from Resin Manufacturing, and Rule 1141.1 – Coatings and Ink Manufacturing.
 - (F) Janitorial cleaning, including graffiti removal.
 - (G) Stripping of cured coatings, cured ink, or cured adhesives.
- (3) Provisions of paragraph (c)(1) shall not apply to the following applications:
 - (A) Cleaning of solar cells, laser hardware, scientific instruments, and high-precision optics.
 - (B) Cleaning conducted with: performance laboratory tests on coatings, adhesives, or inks; research and development programs; and laboratory tests in quality assurance laboratories.
 - (C) Cleaning of motor vehicles on application lines subject to Rule 1115 - Motor Vehicle Assembly Line Coating Operations.
 - (D) Cleaning of paper-based gaskets, and clutch assemblies where rubber is bonded to metal by means of an adhesive.
 - (E) Cleaning of cotton swabs to remove cottonseed oil before cleaning of high-precision optics.
 - (F) Medical device and pharmaceutical facilities using up to 1.5 gallons per day of solvents.
 - (G) Until December 31, 2008, the cleaning of photocurable resins from stereolithography equipment and models.

- (H) Until December 31, 2007, the cleaning of ultraviolet or electron beam lamps and reflectors used for the curing of ultraviolet or electron beam ink or coatings.
 - (I) Cleaning of adhesive application equipment used for thin metal laminating operations provided the clean-up solvent used contains no more than 950 grams of VOC per liter.
 - (J) Cleaning of electronic or electrical cables provided the clean-up solvent used contains no more than 400 grams of VOC per liter.
 - (K) Touch up cleaning performed on printed circuit boards where surface mounted devices have already been attached provided that the solvent used contains no more than 800 grams of VOC per liter.
- (4) Cleaning with aerosol products shall not be subject to the provisions of paragraph (c)(1) and paragraph (e)(1) if 160 fluid ounces or less of noncompliant aerosol products are used per day, per facility. The use of such product shall comply with CARB regulations.
- (5) The provisions of subparagraph (c)(1)(C) shall not apply to the following applications:
- (A) Cleaning of coating and adhesive application processes utilized to manufacture transdermal drug delivery product using less than 3 gallons per day of ethyl acetate averaged over a 30 calendar day period.
 - (B) Cleaning of application equipment used to apply coatings on satellites and radiation effect coatings.
 - (C) The cleaning of application equipment used to apply solvent-borne fluoropolymer coatings until December 31, 2008, provided the clean-up solvent used for such cleaning contains no more than 900 grams of VOC per liter.
 - (D) The cleaning of ultraviolet or electron beam adhesive application equipment until June 30, 2006, provided the clean-up solvent used for such cleaning contains no more than 500 grams of VOC per liter. Effective July 1, 2006, the VOC limit of 25 grams per liter specified in (c)(1)(C) shall apply for such cleaning.
- (6) The provisions of subparagraph (c)(1)(D) shall not apply to persons or facilities using less than 1.5 gallons per day of solvents to clean sterilization indicating ink application equipment.
- (7) Until December 31, 2007, the provisions of subparagraph (c)(1)(D) shall not apply to the cleaning of metering rollers, dampening rollers and printing plates, provided the clean-up solvent used for such cleaning contains no more than 800 grams of VOC per liter.
- (8) Until December 31, 2007, the provisions of (c)(1)(D)(iv)(A)(II) shall not apply to automatic roller and blanket cleaning systems, provided the solvent used for such cleaning contains no more than 650 grams of VOC per liter.
- (9) Provisions of paragraph (e)(1) shall not apply to the following:
- (A) Cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems.
 - (B) Cleaning with spray bottles or containers described in subparagraph (c)(2)(B).
 - (C) Printing operations where the roller or blanket wash is applied automatically.

- (10) The provisions of this rule shall not apply to 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.

APPENDIX 23

SCAQMD RULE 1415 REFRIGERANT ANNUAL AUDIT [FORM I]										
Facility Name:							Phone #:			
Address:							Zip			
Mailing Address:							Zip			
Facility Representative:					Sign & Date:					
Certified Auditor:					ID #:		Sign:		Date of audit:	
Total Capacity		lbs	System Type	Refrigeration: Serial #:	A/C System: Serial #:		Refrigerant	R ()		
Please check this box if the system had a refrigerant leak: <input type="checkbox"/>				PLEASE REFER TO FORM II IF A REFRIGERATION LEAK OCCURRED						
Date	Leak Test Method	P/O Number of Recycler	Name & Address of the CONTRACTOR who repaired leak & performed leak test	Date Leak Detected	Date Leak Repaired	Total Days to Repair Leak	Refrigerant Recovered (lbs)	Additional Refrigerant (lbs)		
Determine the annual refrigerant leak by use of this equation below:							Total Additional Refrigerant =			
ANNUAL REFRIGERANT LEAK DETERMINATION = $\frac{\text{Additional Refrigerant}}{\text{Total Charge Capacity}} \times 100 < 5\%$							lbs			
							Annual Refrigerant Leak (%) =			
							%			
NOTE: If an employee or representative of the owner of the system performed all work, then only write "OWNER" in column IV.										
R1415 [Form II JB: [4/13/92]		Form Serial #:		Triplicate Forms		White - SOURCE: Yellow - AUDITOR: Pink - SCAQMD				

[per year]

APPENDIX 26

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CONTAINS HAZARDOUS MATERIALS

STRAIGHT BILL OF LADING - SHORT FORM - Original - Not Negotiable

Shipper's No. _____

(Carrier) _____ SCAC _____ Carrier's No. _____
Revised. Subject to the usual terms and conditions set forth in the back of this Bill of Lading.

at _____ date _____ from _____

The carrier shall not be liable for loss or damage to the goods if the loss or damage is caused by fire, theft, pilferage, or other causes, or by any other cause, unless the carrier is negligent in the handling of the goods. The carrier shall not be liable for loss or damage to the goods if the loss or damage is caused by the act of God, war, or any other cause beyond the control of the carrier. The carrier shall not be liable for loss or damage to the goods if the loss or damage is caused by the act of the shipper or consignee, or by any other cause for which the carrier is not responsible.

(Mail or street address of consignee for purposes of notification only.)

TO: Consignee
 Street _____
 Destination _____ Zip _____

FROM: Shipper
 Street _____
 Origin _____ Zip _____

Route: _____

Delivering Carrier _____

Quantity	H.M.	Description of articles, special marks and exceptions	Hazard Class	I.D. Number	Packing Group	Weight (kg or lbs)	Class of	Labels required	Other

Remit C.O.D. to:
 Address: _____
 City: _____ State: _____ Zip: _____

COD AMT: \$ _____

Charges Advanced

Prepaid Collect

FREIGHT CHARGES
 Prepaid Collect

YES NO - FURNISHED BY CARRIER
 DRIVER'S SIGNATURE

PLACARDS REQUIRED

SHIPPER: _____ DATE: _____

PCB: _____ DATE: _____

CARRIER: _____ DATE: _____

PCR: _____ DATE: _____

EMERGENCY RESPONSE
 TELEPHONE NUMBER: (____) _____

Revised per 49 CFR 171.15

CONTAINS HAZARDOUS MATERIALS

APPENDIX 27

Company Name: _____	Facility ID: _____	
Address: _____,19 _____	City: _____	Zip: _____ Permit No: _____ Month/Year: _____

D A Y S O F T H E M O N T H

ACTIVITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Hoses - no kinks, flat spots, blockages or tears.																															
Nozzles - no drips or leaks.																															
Nozzle Bellows - no tears or slits in the bellows.																															
Nozzles Faceplate - not torn. Good seal.																															
Nozzle Shutoff - no shutoff malfunctions. Hold open latch functional.																															
Nozzle Check Valve - Properly wired or clamped.																															
Equip. Certification - no missing labels or stickers. (AQMD phone #)																															
No gasoline in spill containments.																															
Underground Tanks - Phase I. All caps in place, cap seals OK. (Both fill and vapor recovery)																															
Dual Phase I - Drybreak functioning																															
Coaxial Phase I - flange gasket OK/ springs OK.																															
Process unit/ incinerator power on, compressor working.																															
Initials of individual who performed inspection.																															

APPENDIX 28

Station Name: _____

SCAQMD ID: _____

Address: _____

Permit No.: _____

REPAIR LOG

Description of Damage/Defect (Include location)	Date&Time of Repair (MM/DD/00:00)	Description of Repair (List each component repaired, removed and installed; Include make, model and serial number)	Repair Person's Info (Person's name, Company name, address and phone number)



APPENDIX 29
Gasoline Transfer and Dispensing Facility
Periodic Compliance Inspection

Company Name:		SCAQMD ID#:
Address:		Permit No:
City:	Zip:	Telephone:

Auditor (Print):	Certificate No:	Telephone:
Inspection Date:	Auditor Signature:	

Phase I Type:	Total # of Tanks:
Phase II Type:	Total # of Nozzles:

Requirement	Yes/No	Deficiencies
-------------	--------	--------------

General Requirements:

Permit		
P/O Current		Date:
Correct Equip. Description		
O & M Manual		
Latest Reverification Tests		Date:
Previous Reverification Tests		Date:
Throughput (last 12 months)		Highest Monthly: Limit:
Signs Posted		
Repair Log		
Daily Inspection Training		

Phase I System:

Fill Cap		
Vapor Cap		
Spill Container		
Drop/Fill Tubes		
Vent Pipes		
P/V Valve		
Vapor Process Unit/Incinerator		
Drain Valves		
Other/s		

Phase II System:

CARB Certified		CARB E.O.:	Exhibit #:
Nozzles (Spout)			
Bellows			
Faceplate/Facecone/ECD			
Vapor Check Valve			
Vapor Hose			
Swivels			
Retractors			
Interlock Mechanism			
Latching Devices			
Boot Base Clamp/Wire			
Liquid Removal Device			
Hold Open Latch			
Other/s			

APPENDIX 30



Station name: _____

Address: _____

Monthly gasoline throughput records

AQMD Rule 461(e)(7)(D)

	2006	2007	2008
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

- Two (2) years of throughput records must be available at your facility at all times.
- Do **NOT** include any diesel fuel in this log.
- **Falsification of information is punishable by civil and criminal penalties (H&SC 42303.5)**

APPENDIX 32

ENGINE OPERATING LOG

Facility Name: _____ Facility ID: _____ Permit/Registration Number: _____

Date of Operation	Total Hours of Operation	Type of Fuel	Fuel Consumption (Cubic feet of gas or gallons of liquid)	Employee Signature