

YOLO-SOLANO AIR QUALITY MANAGEMENT DISTRICT

**RULE 3.2 - EXEMPTIONS**

*(Adopted August 25, 1993; Revised June 22, 1994)*

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100 GENERAL:

The exemptions contained in this Rule shall not apply to an otherwise exempt piece of equipment which is part of a process that requires a permit. An Authority to Construct and Permit to Operate shall not be required for the equipment listed in sections 101 to 114 of this Rule unless such equipment is:

100.1 Subject to New Source Performance Standards; or

100.2 Subject to National Emissions Standards for Hazardous Air Pollutants; or

100.3 Emits, in levels deemed appropriate for review by the Air Pollution Control Officer, substances identified as a toxic air contaminant or which are under review pursuant to Health and Safety Code section 39650 et seq; or

100.4 The Air Pollution Control Officer makes a determination that the unit may not operate in compliance with District Rules and Regulations; and

100.5 The Air Pollution Control Officer may require recordkeeping to verify or maintain any exemption contained in this rule.

## 101 VEHICLES:

101.1 Motor vehicles as defined by the Vehicle Code of the State of California used to transport freight or passengers, but not including any article, machine, equipment or other contrivance mounted on such vehicle that would otherwise require a permit under provisions of these rules and regulations.

101.2 Locomotives, aircraft, and watercraft used to transport passengers or freight. This exemption shall not apply to equipment used for dredging of waterways or equipment used in piledriving adjacent to or in waterways.

**102 RESIDENTIAL STRUCTURES:** Any structure designed for and used exclusively as a dwelling for not more than four families and any such equipment utilized exclusively in connection with such a structure.

**103 COMFORT COOLING SYSTEMS AND VACUUM CLEANING:** Air conditioning, refrigeration, ventilating or vacuum cleaning systems not designed to remove air contaminants generated by equipment which would require a permit under these rules and regulations.

**104 FOOD PROCESSING:** The following process equipment for food or other human consumables and exhaust systems or collectors exclusively serving such equipment:

104.1 Used in eating establishments for the purpose of preparing food for human consumption.

104.2 Smoke houses in which the maximum horizontal inside cross sectional area does not exceed two square meters (21.5 square feet).

104.3 Mixers, and blenders used in bakeries, ovens with a daily product capacity of 1000 lbs or less.

104.4 Confection cookers.

104.5 Used exclusively to grind, blend or package tea, cocoa, spices or roasted coffee.

104.6 Barbecue equipment which is not used for commercial purposes.

#### 105 COMBUSTION AND HEAT TRANSFER EQUIPMENT:

105.1 Internal combustion engines with a manufacturer's maximum continuous rating of 50 brake horsepower or less or gas turbine engines with a maximum heat input rate of 3,000,000 British Thermal Units (BTU) per hour or less at ISO standard day conditions. The ratings of all engines or gas turbines used in the same process shall be accumulated to determine whether this exemption applies.

105.2 Any combustion equipment that has a maximum heat input of less than 1,000,000 British Thermal Units (BTU) per hour (Gross) and is equipped to be fired exclusively with natural gas, liquefied petroleum gas or any combination thereof, the ratings of all combustion equipment used in this process shall be accumulated to determine whether this exemption applies.

106 PLASTICS AND CERAMICS PROCESSING: The following plastics and ceramics processing equipment providing that emissions of volatile organic compounds do not exceed five pounds in any one day:

106.1 Ovens, kilns, or furnaces fired by electricity, and used exclusively for the heating, curing, softening, or annealing of plastics or ceramics. This exemption does not apply to equipment used for heating, or curing of fiberglass reinforced materials.

106.2 Equipment used exclusively for extruding rubber products or plastic where no plasticizer or blowing agent is present, or for pelletizing polystyrene foam scraps except equipment used to extrude or pelletize acrylics, polyvinyl chloride, polystyrene, and their copolymers.

107 AGRICULTURAL OPERATIONS: Equipment used exclusively in the growing of agricultural crops or in the commercial raising of fowl or other animals.

108 REPAIRS AND MAINTENANCE: Repairs or maintenance not involving structural changes to any equipment for which a permit has been granted. Maintenance, as used herein does not include operation.

109 STORAGE AND TRANSFER: Tanks, reservoirs, vessels, or other containers and their associated dispensing, pumping, and compression systems (except internal combustion engines not exempted pursuant to Section 105.1 of this rule) exclusively for the storage of:

109.1 Liquified or compressed gases;

109.2 Unheated organic materials, providing that the throughput of these materials is less than 20,000 gallons per day, with an initial boiling point of 150 degrees Celsius

(302 degrees Fahrenheit) or greater or with an organic vapor pressure of 5 mm Hg (0.1 psi) absolute or less at 20 degrees Celsius as determined by the following test methods:

- a. ASTM D 2879-86, "Standard Test Method for Vapor Pressure-Temperature Relationship and Initial Decomposition Temperature of Liquids by Isoteniscope"; and
- b. ASTM D 1078-86, "Standard Test Method for Distillation Range of Volatile Organic Liquids".

109.3 Unheated organic liquids with a vapor pressure of 77.5 mm Hg (1.5 psi) absolute or less at 20 degrees Celsius, having a underground storage capacity of 23,000 liters (6076 gallons) or less. Equipment used exclusively for the transfer of organic liquids with a vapor pressure of 77.5 mm Hg (1.5 psia) to or from storage. Vapor pressure shall be determined according to Section 109.2.b.;

109.4 Unheated solvent dispensing containers of 380 liters (100 gallons) capacity or less.

#### 110 SURFACE COATING AND PREPARATION:

110.1 Water solution for surface preparation, cleaning, stripping, etching (other than chemical milling) or the electrolytic plating with electrolytic polishing of, or the electrolytic stripping or brass, bronze, cadmium, copper, iron, lead, nickel, tin, zinc and precious metals.

110.2 Surface coating operations using a combined total of one gallon per day of less of coating material and solvent.

110.3 Unheated non-conveyorized solvent rinsing containers or unheated non-conveyorized coating dip tanks of 380 liters (100 gallons) or less with an open surface area of 1 square meter (11 square feet) or less providing no more than 25 gallons of solvent per year are evaporated or lost to the atmosphere from all such equipment.

111 LABORATORY EQUIPMENT: Laboratory equipment used exclusively for chemical or physical analysis and bench scale tests, including associated vacuum-producing equipment.

112 COOLING TOWERS: Water cooling towers that have a circulation rate of less than 10,000 gallons per minute and which are not used for the cooling of process water, water from barometric jets, or water from barometric condensers.

113 OTHER EQUIPMENT: Other equipment deemed not significant by the Air Pollution Control Officer providing that uncontrolled emissions from such equipment never exceeds two (2) pounds in any 24 hour period.

114 PORTABLE EQUIPMENT: A portable emissions unit, as defined in Section 205 of Rule

3.3, PORTABLE EQUIPMENT, for which a written permit is otherwise required, shall be exempt from the permitting requirements of District Rule 3.1, GENERAL PERMIT REQUIREMENTS, provided that all of the following conditions are met:

114.1 The emissions unit has a valid registration obtained in accordance with the provisions of Rule 3.3, PORTABLE EQUIPMENT; and

114.2 The portable emissions unit is not subject to the provisions of District Rule 3.8, FEDERAL OPERATING PERMITS, (Title V).