

**RULE 444 PETROLEUM SOLVENT DRY CLEANING**  
**Adopted 8-13-81**

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**100 GENERAL**

- 101 **PURPOSE:** To limit the emissions of petroleum solvents used in dry cleaning.
- 110 **EXEMPTION, OTHER SOLVENTS:** This rule shall not apply to dry cleaning using other than a petroleum solvent such as stoddard.
- 111 **LIMITED EXEMPTION, SMALL USERS:** The provisions of Section 302 of this rule shall not apply to dry cleaners consuming less than 10,000 liters (2,642 gallons) of petroleum solvent per year.

**200 DEFINITIONS**

- 201 **SOLVENT RECOVERY DRYER:** A class of dry cleaning dryers that employs a condenser to liquify and recover solvent vapors evaporated in a closed loop recirculating stream of heated air.

**300 STANDARDS**

- 301 **OPERATING REQUIREMENTS:** A person shall not operate any dry cleaning equipment which uses petroleum-based solvent unless:
- 301.1 There is no liquid leaking from any portion of the equipment.
  - 301.2 Solvents are stored in closed containers only, which may be equipped with vents approved by the Air Pollution Control Officer.
  - 301.3 All washer lint traps, button traps, access doors and other parts of the equipment where solvent may be exposed to the atmosphere are kept closed at all times except as required for proper operation or maintenance.
  - 301.4 The still residue is stored in sealed containers or underground tanks, and disposed of by procedures approved by the Air Pollution Control Officer.
  - 301.5 The used filtering material is put into a sealed container immediately after removal from the filter, unless the dry cleaning system is equipped with one of the following filtering systems:
    - a. Cartridge filters containing paper or carbon or a combination thereof which are fully drained in the filter housing for at least 12 hours before removal.
    - b. Diatomaceous earth filtering system, connected to a centrifugal solvent extractor or other device capable of removing sufficient solvent so that the remaining diatomaceous earth and soil does not contain more than 0.4 kilogram of solvent per kilogram of filter powder and soil removed.
    - c. Any other type of filtering system or process found by the Air Pollution Control Officer to emit into the atmosphere 1 kilogram or less of solvent in the discarded soil, lint and filtering material per 100 kilograms of articles cleaned.
  - 301.6 The provisions of section 301.4 and 301.5 shall not apply if the total collection of still residue and filter waste does not exceed 1.5 gallons per day.
- 302 **EMISSION CONTROL REQUIREMENTS:** A person operating any dry cleaning dryer shall either:
- 302.1 Limit solvent emissions to the atmosphere to an average of 3.5 kilograms of solvent per 100 kilograms of articles dry cleaned, or
  - 302.2 Install and operate a solvent recovery dryer in a manner such that the dryer remains closed and the recovery phase continues until a final recovered solvent flow rate of not more than 50 milliliters per minute is attained.

- 303 **EFFECTIVE DATES:** The provisions of Section 302 shall become effective in accordance with the following compliance schedule. The solvent consumed by a petroleum solvent dry cleaning plant in a year means the amount of solvent purchased in that year.
- 303.1 Effective April 6, 1984 all petroleum solvent dry cleaning plants consuming more than 50,000 liters (13,209 gallons) of solvent per year shall comply with the provisions of Section 302.
- 303.2 Effective April 6, 1985 all petroleum solvent dry cleaning plants consuming more than 25,200 liters (6,657 gallons) of solvent per year shall comply with the provisions of Section 302.
- 303.3 Effective April 6, 1987 all petroleum solvent dry cleaning plants consuming more than 10,000 liters (2,642 gallons) of solvent per year shall comply with the provisions of Section 302.

#### 400 ADMINISTRATIVE REQUIREMENTS

- 401 **INCREMENTS OF PROGRESS:**
- 401.1 Twelve months prior to the effective dates, submit to the Air Pollution Control Officer an application for Authority to Construct, describing at a minimum, the steps that will be taken to achieve compliance with the provisions of Section 302 of this rule.
- 401.2 Nine months prior to the effective dates, award the contract for the emission control system, or issue purchase orders for the component parts to accomplish emission control.
- 401.3 Five months prior to the effective dates, commence on-site construction or installation of equipment to reduce or control emissions.
- 401.4 One month prior to the effective dates, complete on-site construction or installation of equipment to reduce or control emissions.
- 401.5 Upon the effective dates be in full compliance with the provisions of Section 302 of this rule.