

**REGULATION 8
ORGANIC COMPOUNDS
RULE 17
PETROLEUM DRY CLEANING OPERATIONS**

INDEX

8-17-100 GENERAL

- 8-17-101 Description
- 8-17-110 Exemption, Other Solvent
- 8-17-111 Exemption, Small Users

8-17-200 DEFINITIONS

- 8-17-201 Petroleum Solvent
- 8-17-202 Dry Cleaning Facility
- 8-17-203 Solvent Recovery Dryer
- 8-17-204 Cartridge Filter
- 8-17-205 Solvent Liquid Leak
- 8-17-206 Solvent Vapor Leak
- 8-17-207 Transfer Cart

8-17-300 STANDARDS

- 8-17-301 Operating Requirements
- 8-17-302 Emission Control Requirements
- 8-17-303 Solvent Filtration Requirements

8-17-400 ADMINISTRATIVE REQUIREMENTS

- 8-17-401 Deleted September 5, 1990
- 8-17-402 Deleted September 5, 1990

8-17-500 MONITORING AND RECORDS

- 8-17-501 Small User Records
- 8-17-502 Solvent Filtration Records

8-17-600 MANUAL OF PROCEDURES

- 8-17-601 Determination of Emissions
- 8-17-602 Analysis of Solvent Filtration Wastes

REGULATION 8
ORGANIC COMPOUNDS
RULE 17
PETROLEUM DRY CLEANING OPERATIONS

(Adopted May 21, 1980)

8-17-100 GENERAL

8-17-101 Description: The purpose of this Rule is to limit the emissions of petroleum solvents used in dry cleaning facilities. (Amended March 20, 1985)

8-17-110 Exemption, Other Solvent: This Rule shall not apply to dry cleaning facilities that do not use petroleum solvent. (Amended March 20, 1985)

8-17-111 Exemption, Small Users: The provisions of Section 8-17-302 shall not apply to petroleum dry cleaning facilities installed prior to September 5, 1990, consuming less than 10,000 liters (2,642 gallons) of petroleum solvent per year, provided the requirements of Section 8-17-501 are met.
(Amended March 20, 1985, September 5, 1990)

8-17-200 DEFINITIONS

8-17-201 Petroleum Solvent: A clear petroleum distillate having a minimum flash point of 38°C (100°F) and the following distillation ranges: not less than 50 % over at 177°C (350°F), 90% over at 190°C (375°F), and the end point not higher than 210°C (410°F). The distillation is performed at standard conditions.

8-17-202 Dry Cleaning Facility: Any facility engaged in the cleaning of fabrics or leather. The facility includes, but is not limited to washers, dryers, filters, purification systems, holding tanks, pumps, attendant piping and valves.
(Adopted March 20, 1985)

8-17-203 Solvent Recovery Dryer: A class of dry cleaning dryers that employ a condenser to condense and recover solvent vapors evaporated in a closed loop stream of heated air, together with the piping and ductwork used in the installation of this device.
(Adopted March 20, 1985)

8-17-204 Cartridge Filter: A discrete filter unit containing filter paper and activated carbon that traps and removes contaminants from petroleum solvent, together with the piping and ductwork used in the installation of this device.

8-17-205 Dry Weight of Articles Cleaned: The weight of articles prior to being cleaned in a petroleum solvent washer. (Adopted September 5, 1990)

8-17-206 Solvent Liquid Leak: A liquid leak of more than 3 drops per minute.
(Adopted September 5, 1990)

8-17-207 Solvent Vapor Leak: A vapor leak which is a visible mist.
(Adopted September 5, 1990)

8-17-208 Transfer Cart: A cart or container used for the transfer of wet articles from the washer to the dryer that has walls and a lid which is impervious to the solvent.
(Adopted September 5, 1990)

8-17-300 STANDARDS

8-17-301 Operating Requirements: A person shall not operate any petroleum dry cleaning facility unless all of the following requirements are satisfied:

301.1 There is no solvent liquid or solvent vapor leaking from any portion of the equipment or the leaking equipment shall not be operated.

301.2 Solvents and spent solvents are stored in closed containers, which may be equipped with vents approved by the Air Pollution Control Officer.

301.3 All washer and dryer traps, access doors, and other parts of these pieces of equipment, where solvent may be exposed to the atmosphere, are kept

closed at all times except when required for proper operation or maintenance.

301.4 Cartridge filters are drained in the filter housing for at least 12 hours or placed in an enclosed device including a solvent recovery dryer until dry before being discarded.

301.5 All wastes from dry cleaning facilities must be maintained and transported in sealed containers and disposed of in accordance with Department of Health Services regulations.

301.6 Articles which have been cleaned must be transferred to the dryer within five minutes after they are removed from the washer, or shall be stored in closed transfer carts. (Amended March 20, 1985, September 5, 1990)

8-17-302 Emission Control Requirements: A person shall not operate any petroleum dry cleaning facility unless one of the following requirements is satisfied:

302.1 Add-On-Control Device: All exhaust gases from drying tumblers, washers, and cabinets are vented through an approved and properly functioning control device, which reduces the total emissions of precursor organic compounds by at least 85 percent by weight.

302.2 Solvent Recovery Dryer: A solvent recovery dryer that recovers at least 85% of petroleum solvent by weight shall be installed. For the purpose of determining compliance with the 85% recovery efficiency of this subsection, 3 kilograms of petroleum solvent emitted per 100 kilograms dry weight of articles cleaned shall be deemed to be in compliance. In addition, the petroleum solvent flow rate from the water separator of such recovery dryer shall not exceed 15 milliliters per minute at the termination of the recovery cycle.

302.3 Deleted September 5, 1990 (Amended March 20, 1985, September 5, 1990)

8-17-303 Solvent Filtration Requirement: A person shall not operate any solvent filtration system unless one of the following requirements is satisfied:

303.1 Reduce the total volatile organic compound content in all filtration wastes to
1.1 1 kilogram or less per 100 kilograms dry weight of articles cleaned, before disposal, and exposure to the atmosphere, or
1.2 No more than 0.25 kilograms of solvent per kilogram of solvent still or filter waste.

303.2 Install and operate a cartridge filter system.

(Adopted March 20, 1985, September 5, 1990)

8-17-400 ADMINISTRATIVE REQUIREMENTS

8-17-401 Deleted September 5, 1990

8-17-402 Deleted September 5, 1990

8-17-500 MONITORING AND RECORDS

8-17-501 Small User Records: Any person seeking to satisfy the condition of Section 8-17-111 shall maintain purchase records showing amounts of solvent purchased and solvent remaining in inventory. Such records shall be retained and available for inspection by the APCO for the previous 24-month period.

(Adopted September 5, 1990)

8-17-502 Solvent Filtration Records: Any person electing to be regulated by Subsection 8-17-303.1.1 shall maintain records of pre-washed weight of articles cleaned per load. Such records shall be retained and available for inspection by the APCO for the previous 24-month period.

(Adopted September 5, 1990)

8-17-600 MANUAL OF PROCEDURES

8-17-601 Determination of Emissions: Emissions of organic compounds as specified in Section 8-17-302 shall be measured as prescribed in the Manual of Procedures, Volume IV, ST-7, dated November 1, 1989. (Amended September 5, 1990)

8-17-602 Analysis of Solvent Filtration Wastes: Samples of solvent filtration wastes as specified in subsection 8-17-303.1 shall be analyzed as prescribed in the Manual of Procedures, Volume III, Method 38. (Adopted September 5, 1990)