OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

OKLAHOMA Environmental Quality

Fugitive Controls and Pollution Prevention Requirements

For Perchloroethylene Dry Cleaning Facilities

The following are required for all perchloroethylene dry cleaning facilities, regardless of size or equipment type.

1. Conduct a leak detection and repair program to inspect all dry-cleaning equipment for leaks that are perceptible (obvious to sight, smell, or touch) and detectable with a halogenated hydrocarbon detector. These leak checks should be performed when the equipment is operating. Record the dates of leak inspections on the Leak Detection and Repair Log located at **https://www.deq.ok.gov/wp-content/uploads/air-division/Form_100-310-J.pdf**.

NOTE: The perceptible leak check should be performed weekly for large area sources* and bi-weekly for small area sources. Leak detection with a halogenated hydrocarbon detector should be performed monthly for both large and small area sources. Each inspection with a halogenated hydrocarbon detector satisfies one perceptible leak inspection.**

2. Repair leaks within 24 hours after they are found, or order repair parts within 2 working days after detecting a leak that needs repair parts. The repair parts must be installed within 5 working days after they are received. Record dates of when parts are ordered, when parts are received, and when repairs are made on the Leak Detection and Repair Log.
3. Follow good housekeeping practices, which include keeping all perchloroethylene and wastes containing perchloroethylene in covered containers with no leaks, draining cartridge filters in closed containers, and keeping machine doors shut when clothing is not being transferred.
4. Operate and maintain all dry-cleaning equipment according to manufacturer's instructions.
5. Each time clothing is added or removed from any unit, the door must be closed immediately. The door should stay closed except when the operator is adding or removing clothes.
6. Before removing any filters from the dry-cleaning machines, drain the filters in their housing or in a sealed container for 24 hours.

Large Area Source is defined as a source with only dry-to-dry machines that purchased between 140 and 2,100 gallons of perchloroethylene in the previous 12 months, a source with only transfer machines that purchased between 200 and 1,800 gallons of perchloroethylene in the previous 12 months or a source with both dry-to-dry and transfer machines that purchased between 140 and 1,800 gallons of perchloroethylene in the previous 12 months.

****Small Area Source is defined as a source with only dry-to-dry machines that purchased less than 140 gallons of perchloroethylene in the previous 12 months, a source with only transfer machines that purchased less than 200 gallons of perchloroethylene in the previous 12 months or a source with both dry-to-dry and transfer machines that purchased less than 140 gallons of perchloroethylene in the previous 12 months.***

This publication is issued by the Oklahoma Department of Environmental Quality authorized by Robert Singletary, Executive Director. Copies have been prepared at a cost of $0.106 each. Copies have been deposited with the publications clearinghouse of the Oklahoma Department of Libraries.
(Fact Sheets\AQD\Fugitive Controls for Dry Cleaners.indd 8/2025)

Fugitive Controls and Pollutin Prevention for Dry Cleaners

OKLAHOMA Environmental Quality

7. Keep perchloroethelyne purchase records on a monthly total basis and on a 12-month rolling total basis. A Perchloroethelyne Purchase Log may be found at **https://www.deq.ok.gov/wp-content/uploads/air-division/Form_100-310-G.pdf**.

8. Equip transfer machines at large area sources, and dry-to-dry machines constructed after December 1991 with refrigerated condensers or carbon absorbers or equivalent control devices.

   If a refrigerated condenser is used, monitor, and record the temperature on the outlet side of the condenser weekly. This temperature must be 45°F or less. If temperature is greater than 45°F, repairs should be made. Record the temperatures and repairs on the Refrigerated Condenser Temperature Log located at **https://www.deq.ok.gov/wp-content/uploads/air-division/Form_100-310-H.pdf**.

   If a carbon adsorber is used, measure and record the perc concentration on the exhaust of the adsorber with a colorimetric detector tube on a weekly basis. The measurement should be collected at the end of the last dry-cleaning cycle. The perc concentration should be 100 ppm or less. If the concentration is greater than 100 ppm, repairs must be made. Record the perc concentration and repairs on the Carbon Adsorber Weekly Log located at **https://www.deq.ok.gov/wp-content/uploads/air-division/Form_100-310-I.pdf**.

9. All documents and records must be kept for 5 years.