

Operating, Recordkeeping, Monitoring Requirements For Dry Cleaning Facilities Using Perchloroethylene

Transfer Machines

Perform and record leak detection inspections of the components of each dry cleaning machine while it is operating both by sight/smell/touch weekly or biweekly (depending on the size of the source), and with a halogenated hydrocarbon detector monthly.

Repair any leaks identified and make repairs promptly.

If a refrigerated condenser is used in a transfer machine washer, temperature measurements should be recorded weekly at both the inlet and outlet to the condenser. The difference must be 20°F or greater. If a refrigerated condenser is used in a transfer machine dryer, temperature measurements should be recorded weekly at the outlet of the condenser. The temperature must be 45°F or less.

If a carbon adsorber (CA) is used, perchloroethylene (perc) concentrations in the exhaust should be measured weekly. A colorimetric detector tube should be used to measure the perc. The measurement should be taken at the end of the last dry cleaning cycle while the perc is released to the sniffer, prior to steaming out (cleaning) the CA. The concentration of perc in the exhaust must be 100 ppm or less.

Dry-To-Dry Machines

Perform and record leak detection inspections of the components of each dry cleaning machine while it is operating both by sight/smell/touch weekly or biweekly (depending on the size of source), and with a halogenated hydrocarbon detector monthly.

Repair any leaks identified and make repairs promptly.

If a refrigerated condenser is used, temperature measurements should be recorded weekly at the outlet of the condenser. The temperature must be 45°F or less.

If a CA is used, perc concentrations in the exhaust should be measured weekly. A colorimetric detector tube should be used to measure the perc. The measurement should be taken at the end of the last dry cleaning cycle while the perc is released to the sniffer, prior to steaming out (cleaning) the CA. The concentration of perc in the exhaust must be 100 ppm or less.

All Units

Record the amount of perc purchased monthly and maintain a 12-month rolling total of perc purchases.

Operate machines according to manufacturer's specifications.



Monitoring Dry Cleaning Perchloroethylene

Forms for Recordkeeping

Copies of a Refrigerated Condenser Temperature Log, Leak Detection and Repair Log, a Carbon Absorber Log and a Perchloroethylene Purchase Log may be found on our webpage:

Refrigerated Condenser Temperature Log:

https://www.deq.ok.gov/wp-content/uploads/air-division/Form_100-310-H.pdf

Leak Detection and Repair Log:

https://www.deq.ok.gov/wp-content/uploads/air-division/Form_100-310-J.pdf

Carbon Absorber Log:

https://www.deq.ok.gov/wp-content/uploads/air-division/Form_100-310-I.pdf

Perchloroethylene Purchase Log:

https://www.deq.ok.gov/wp-content/uploads/air-division/Form_100-310-G.pdf