

**New York State Department of Environmental Conservation
AIR FACILITY REGISTRATION APPLICATION INSTRUCTIONS
Perc and Alternative Solvent Dry Cleaning Facilities**



**Department of
Environmental
Conservation**

The following are instructions for completing an Air Facility Registration Application (Form AFR-232) for new or modified dry cleaning facilities that use perchloroethylene and/or approved alternative dry cleaning solvents. These requirements are set forth in 6 NYCRR Part 201-4. Applications should be submitted to the Regional Air Pollution Control Engineer serving the county in which the facility is located. Mailing addresses may be found on page two (2) of the application form. Dry cleaning facilities that use only water-based cleaning and/or liquid carbon dioxide are exempt from all air permitting requirements if there are no other applicable sources at the facility.

RESTRICTIONS: Any dry cleaning facility with an actual or estimated yearly perchloroethylene consumption (usage) level that equals or exceeds 1,050 gallons/year or a yearly alternative solvent consumption level that exceeds 3,000 gallons/year cannot use this Air Facility Registration Application form and must apply for an Air State Facility or Title V Permit.

DEC ID: For existing dry cleaners that are not relocating, enter the DEC ID from the current Air Facility Registration. All other facilities should leave this field blank.

TAXPAYER ID: Enter the business Taxpayer ID number (**do not enter your personal Social Security number**).

Box Number(s)

1 – 6 OWNER INFORMATION: Enter the full name of the individual or firm that owns or operates the dry cleaning facility for which this application is being prepared in Box 1. In Boxes 2, 3, 4, 5 and 6, enter the mailing address of the owner. Enter the Country in Box 5 if foreign owned and the appropriate ZIP/Postal Code (ZIP code + extension if known) in Box 6. For facilities with multiple owners, where no legal business partnership exists, provide the name of each individual owner separated using a slash(/). For corporations, include the full name of the corporation and the division or subdivision name (if applicable).

7- 9a-c FACILITY OWNER/MANAGER INFORMATION: List the name, telephone and fax number, and email address of the person responsible for the operation and regulatory compliance of the dry cleaning facility (Owner/Manager) in Boxes 7 and 9a-c. If the dry cleaner uses perchloroethylene as a solvent, the owner/manager must possess an Owner/Manager Certificate and the Certification number must be recorded in Box 8 of the application form.

10 - 14 FACILITY INFORMATION: Enter the facility name and physical location address (e.g., Acme Rd. or Building 3, XYZ Industrial Park) of the dry cleaning facility in Boxes 10 and 11. Enter the name of the City or Town, State and ZIP Code for the facility in Boxes 12, 13 and 14. For instances where a facility is located in multiple jurisdictions (i.e., across city, town or county lines) list all jurisdictions.

15a,b,c BUILDING INFORMATION: For Control Systems (15a), check the appropriate boxes to indicate that a Vapor Barrier and/or General Exhaust Ventilation System has been installed at the facility. For Building Type (15b), check Stand-Alone or Co-located. A co-located facility shares a common wall, floor, or ceiling with a residence or another business (e.g., coin-operated Laundromat); a stand-alone does not. For co-located facilities (15c), check each appropriate box that describes the other types of tenants that occupy the building with the dry cleaning facility.

DRY CLEANING MACHINES (Boxes 16 - 25): Enter the Machine Manufacturer, Model Number, Serial Number, Capacity (lbs), Year Manufactured, Date Installed, Solvent Type, Solvent Gallons/Year (usage), Spill Pan (Y/N), and Machine Type for each perchlorethylene 3rd and 4th generation dry cleaning machine and each alternative solvent dryer, recovery dryer and dry-to-dry, closed-loop dry cleaning machine. Do not list any alternative solvent washers or extractors or any dry cleaning equipment using only water-based cleaning and/or liquid carbon dioxide as the primary solvent. If your facility has more than 3 dry cleaning machines, use additional form(s) to describe the equipment.

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- 16 - 20 NAMEPLATE INFORMATION:** Enter the Machine Manufacturer (Box 16), Model Number (Box 17), Serial Number (Box 18), Capacity (lbs., Box 19) and Year Manufactured (Box 20) in the appropriate box on the Air Facility Registration Application form. This information is typically found on the nameplate on the back of the machine.
- 21 INSTALLATION DATE:** Enter the installation date for each piece of dry cleaning equipment in Box 21.
- 22 SOLVENT TYPE:** In Box 22, enter the primary solvent type code from those listed below (letters A–P) for the dry cleaning equipment identified.

<u>Code</u>	<u>Description</u>
[P]	- Clerane 180: aliphatic refined hydrocarbon (CAS 64742-48-9) by TOTAL Specialties.
[J]	- DC-142: aliphatic refined hydrocarbon (CAS 64742-88-7) by Essential Solvents.
[C]	- DF-2000™: aliphatic refined hydrocarbon (CAS 64742-48-9) by ExxonMobil.
[D]	- EcoSolv®: aliphatic refined hydrocarbon (CAS 68551-17-7) by Chevron Philips.)
[I]	- GEC-5 Green Earth®: decamethylcyclopentasiloxane (CAS 541-02-6) by Shin-Etsu.
[N]	- HC Boost™: aliphatic refined hydrocarbon (CAS 64742-48-9) and propylene glycol ether mixture, by R.R. Streets.
[M]	- Intense®: aliphatic refined hydrocarbon (CAS 68551-19-9) and propylene glycol ether mixture, by Seitz.
[L]	- Ktex™: aliphatic refined hydrocarbon (CAS 64742-48-9), propylene glycol monobutyl ether (CAS 5131-66-8), and orange terpenes (CAS 68647-72-3) mixture, by R.R. Streets/BARDAHL.
[F]	- LPA-142: aliphatic refined hydrocarbon (CAS 64742-47-8) by Sasol.
[A]	- Perchloroethylene (Perc): chlorinated hydrocarbon (CAS 127-18-4)
[E]	- Rynex®-3: dipropylene glycol tert-butyl ether (CAS 132739-31-2) by Rynex Technologies.
[B]	- SB-32 Green Earth®: decamethylcyclopentasiloxane (CAS 541-02-6) by General Electric.
[K]	- Sensene™: aliphatic refined hydrocarbon (CAS 64742-48-9) and modified alcohol mixture by SAFECHEM.
[G]	- Solvair®¹: dipropylene glycol n-butyl ether (CAS 29911-28-2) by R.R. Streets.
[H]	- SolvonK4™: dibutoxymethane (CAS 2568-90-3) by Kreussler.

¹ The Solvair™ dry-cleaning system uses both Dipropylene Glycol n-Butyl Ether (DPGnBE) and carbon dioxide (exempt solvent) as dry cleaning solvents.

- 23 SOLVENT GAL/YR:** For existing dry-to-dry machines, report in Box 23 (Solvent Gal/Yr), the machine's annual solvent consumption for the previous 12 months. For existing dryers and solvent recovery dryers, report in Box 23 the annual solvent consumption for the washing machine that dry cleans the articles which are transferred to the dryer. For new machines, estimate the annual solvent consumption for the machine.
- 24 SPILL PAN (Y/N):** Answer Yes or No (Y/N) in Box 24 to indicate if a spill pan was installed under the machine.
- 25 MACHINE TYPE:** Choose a machine type from those listed below (letters A–D; N-P; R-S; Z) and enter the letter in Box 25. If a machine is not listed, enter type “Z” and a description in Box 27. If you have more than 3 dry cleaning machines, use additional copies of this form to describe all the dry cleaning equipment.

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Machine Type	Machine description
Perchloroethylene Dry Cleaning Machines:	
A	3 rd Generation Perchloroethylene Dry Cleaning Machine with an external door fan
B	3 rd Generation Perchloroethylene Dry Cleaning Machine that has been converted to a 4 th Generation machine with an added Integral Carbon Adsorber
C	4 th Generation Perchloroethylene Dry Cleaning Machine that is NOT DEC Certified and has NOT been issued a Statement of Compliance by the manufacturer
D	4 th Generation Perchloroethylene Dry Cleaning Machine that is DEC Certified or which has been issued a Statement of Compliance by the manufacturer Refer to NYSDEC website for list of 4th generation perchloroethylene dry cleaning machines that are DEC Certified or which have been issued a Statement of Compliance and are approved for new machine installations at co-located commercial and stand-alone facilities: http://www.dec.ny.gov/chemical/8943.html
Alternative Solvent Dry Cleaning Machines:	
N	Dryer without a primary control system
O	Solvent recovery dryer that is equipped with a refrigerated condenser as the primary control system
P	Dry-to-dry, closed-loop dry cleaning machine that is equipped with a refrigerated condenser as the primary control system ¹ Refer to NYSDEC website for list of alternative solvent dry-to-dry, closed loop dry cleaning machine models that have been issued a Certification of Model Compliance by the machine manufacturer and are approved for new machine installations at all locations: http://www.dec.ny.gov/chemical/113863.html
R	Solvent recovery dryer that is equipped with a water cooled condenser as the primary control system
S	Dry-to-dry, closed-loop dry cleaning machine that is equipped with a water cooled condenser as the primary control system ¹
Other Dry Cleaning Machines:	
Z	Other unlisted Dry Cleaning Machine

¹ The USEPA has determined that 40 CFR Part 40, Subpart JJJ (Standards of Performance for Petroleum Dry Cleaners) does not apply to dry-to-dry, closed-loop equipment.

26 OTHER SOLVENT(S): Write in the names of all the unlisted primary dry cleaning solvents given a Solvent Type “Z” in Box 22a, 22b, or 22c. Do not report in Box 26 any solvents used for dry-side pre-cleaning or used as spotting agents.

27 OTHER MACHINE(S): Write in a description of all the unlisted dry cleaning machines that were given a Machine Type “Z” in Box 25a, 25b, or 25c. Do not describe any alternative solvent washing machines or extractors.

CERTIFICATION: Enter the name, official title, signature and date of signature of the responsible official accountable for the compliance of this facility with the applicable regulations. Certification is required by a representative of the firm or applicant responsible for demonstrating the truth, accuracy and completeness of the information contained in this application. The responsible official should be aware that significant penalties could result from submitting false information, including the possibility of fines and imprisonment for knowing violations.