How to Register under the Registration of Smaller Sources (ROSS) Program or Obtain an Air Permit for Petroleum Dry Cleaning

All petroleum solvent dry cleaners are required to register under the ROSS program or obtain an air permit depending on their solvent usage. Most petroleum solvent dry cleaners in the state will meet the emissions criteria to register under the ROSS program.

Only coin operated dry cleaners are exempted from air pollution control permit requirements.

The following are general requirements:

- ROSS
  - Petroleum dry cleaners that emit actual emissions less than 10,000 lbs (use approximately 1562 gallons/yr of petroleum solvent or less) need to register under the ROSS program.
  - An Annual Site Fee of $235 is required annually.
  - Requirements for recordkeeping and reporting (e.g., petroleum usage, leak repair, etc.) should be kept on site for the most recent five years.
  - More information concerning the ROSS program can be found at www.ildceo.net/enviro.

- PERMITS
  - State construction/operating permit from the Bureau of Air at the Illinois EPA are required if not eligible for ROSS.
  - Title V permits are required for cleaners that have the potential to use over 100 tons/yr (31,104 gal/yr) of petroleum solvent.
  - Additional requirements include testing, more recordkeeping, leak detection and repair.

Federal New Source Performance Standards

- Emission limits
  - gallon/yr of petroleum solvent (e.g., keep washer and dryer door closed, keep lids closed on solvent

- Good housekeeping requirements (e.g., keep work area clean, good ventilation, etc.)
- Requirements for leak inspections
- Perforation dry cleaners if the total manufacturer rated dryer capacity is equal to or greater than 84 lbs and were installed after December 14, 1974, require even stricter federal requirements.

Petroleum dry cleaners whose total manufacturer rated dryer capacity is equal to or greater than

- New dryer installed after December 14, 1974, must be solvent recovery dryer and use cartridge filters.
- Additional requirements include testing, more recordkeeping, leak detection and repair.
- Perforation dry cleaners if the total manufacturer rated dryer capacity is equal to or greater than 84 lbs and were installed after December 14, 1974, require even stricter federal requirements.

If you fall within this range, then it is recommended that you contact the Illinois EPA Permit Section for assistance.

Additional requirements include testing, more recordkeeping, leak detection and repair.

Any new dryer installed after December 14, 1974, must be a solvent recovery dryer and use cartridge filters.

If you fall within this range, then it is recommended that you contact the Illinois EPA Permit Section for assistance.

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The following forms are required:

ROSS-200 Form - Registration of Smaller Sources Form
APC-629 Application for a Construction and/or Operating Permit for a Lifetime Source (if your potential to emit emissions of VOC are less than major)
APC-628 Construction Permit Application for a FESOP Source (if your potential to emit emissions of VOC are major, but your actual emissions can be limited to less than major)
APC-197 Fee Determination for Construction Permit Application
APC-220 Data and Information Process Emission Source
APC-260 Data and Information Air Pollution Control Equipment (only if controls are used, e.g., condensers)

Mail completed forms to:
Illinois EPA
Permit Section #1
1P O. Box 19506
Springfield, IL 62794-9506

Forms are available on the Internet at:
www.ildceo.net/enviro

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There are several solvent options for dry cleaners. Some alternative solvents include: aqueous solutions, CO₂, DF-2000, siloxanes (which are silicone based solvents), and perchloroethylene (perc). Perc and DF-2000 dry cleaning operations are subject to federal and state environmental requirements.

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There are other solvent options available for use in dry cleaning operations.

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For small business assistance contact:

Illinois Small Business Environmental Assistance Program
Department of Commerce and Economic Opportunity
500 E. Monroe St.
Springfield, IL 62701

Small Business Environmental Assistance Helpline
800-252-3998
Email: dceo.sbeap@illinois.gov

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