

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

PERMITTEE

Swan Cleaners, Inc.  
Attn: Merle Hurowitz  
8216 Stony Island Avenue  
Chicago, Illinois 60617

Application No.: 98100051                      I.D. No.: 031600GFA  
Applicant's Designation:                      Date Received: October 13, 1998  
Subject: Petroleum Based Dry Cleaner  
Date Issued: December 9, 1999              Expiration Date: December 9, 2004  
Location: 8216 Stony Island Avenue, Chicago, 60617

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of 4 petroleum solvent dryers pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 25 tons/yr of volatile organic material (VOM)). As a result the source is excluded from the requirement to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all operating permits issued for this location.
2. The petroleum dry cleaner is subject to New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and JJJ. The Illinois EPA is administering these standards in Illinois on behalf of the United States EPA under a delegation agreement.
3. The Permittee shall maintain the records of the performance test required under Section 60.624.
4. At all times the Permittee shall also maintain and operate the petroleum solvent dryers, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions, pursuant to the NSPS, 40 CFR 60.11(d).

- 5a. Emissions and operation of each petroleum solvent dryer shall not exceed the following limits:

Petroleum Solvent Usage		Hours of	VOM Emissions	
<u>(Gal/Hr)</u>	<u>(Gal/Yr)</u>	<u>Operation</u>	<u>(Lb Hr)</u>	<u>(Ton/Yr)</u>
		<u>(Hr/Yr)</u>		
1.0	1,875	1,872	6.5	6.1

These limits are based on the maximum production rate. Emissions were determined by material balance considering a solvent density of 6.43 lb/gal.

Solvent usage shall be determined from the following equation:

$$U = V - W \times C/100$$

Where:

U - Solvent usage (gal)

V - Virgin solvent added to the process (gal)

W - Certified amount of waste shipped off for recycling (gal)

C - Certified VOM content of waste solvent (%)

- b. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.
6. The Permittee shall maintain records of the following items:
- Petroleum solvent purchased (gal/mo and gal/yr);
  - Petroleum solvent shipped for recycling (gal/mo and gal/yr);
  - MSDS of petroleum solvent(s); and
  - VOM single HAP and total HAP emissions calculations (ton/mo and ton/yr).
7. In the event that the operation of this source results in an odor nuisance, the Permittee shall take appropriate and necessary actions to minimize odors, including but not limited to, change in raw material or installation of controls, in order to eliminate the nuisance.

8. This permit is issued based on the emissions of volatile organic material from any unit not exceeding 8 lb/hr pursuant to 35 Ill. Adm. Code 218.301.
9. The emissions of Hazardous Air Pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single HAP or 25 tons per year of any combination of such HAPs, or such lesser quantity as USEPA may establish in rule which would require the Permittee to obtain a CAAPP permit from the Illinois EPA. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a CAAPP permit from the Illinois EPA.
10. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA or USEPA request for records during the course of a source inspection.
11. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.
12. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Compliance Section (#40)  
P.O. Box 19276  
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Eisenhower Tower  
1701 South First Avenue  
Maywood, Illinois 60153

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13. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: Use of solvent; VOM and HAP content of solvent and; VOM, single HAP and total HAP emissions.

If you have any questions on this, please call Randy Solomon at 217/782-2113.

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

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cc: Illinois EPA, FOS Region 1  
Illinois EPA, Compliance Section  
Lotus Notes

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from the petroleum solvent dryers facility operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. This is using 7,500 gallons of solvent a year. The resulting maximum emissions are well below the levels, e.g., 25 tons/yr of VOM at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled and control measures are more effective than required in this permit.

- 1a. Emissions of volatile organic material from each of 4 petroleum solvent dryers.

Petroleum Solvent Usage		Hours of	VOM Emissions	
<u>(Gal/Hr)</u>	<u>(Gal/Yr)</u>	<u>Operation</u>	<u>(Lb Hr)</u>	<u>(Ton/Yr)</u>
		<u>(Hr/Yr)</u>		
1.0	1,875	1,872	6.5	6.1

- b. The emissions of Hazardous Air Pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single HAP or 25 tons per year of any combination of such HAPs, or such lesser quantity as USEPA may establish in rule which would require the Permittee to obtain a CAAPP permit from the Illinois EPA. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a CAAPP permit from the Illinois EPA.

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