

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT -- RENEWAL

PERMITTEE

Olympic Cleaners  
Attn: Mr. Yong I. Kim, Owner  
1233 - 62nd Street  
Downers Grove, Illinois 60516

Application No.: 73040500  
Applicant's Designation:  
Subject: Petroleum Solvent Dry Cleaner  
Date Issued:  
Location: 6729 West Ogden Avenue, Berwyn

I.D. No.: 031021AAK  
Date Received: October 12, 2000  
Expiration Date:

Permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of petroleum solvent dry cleaner operation as described in 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 the levels at which the source would be a major source, as further described in Attachment A. As a result the source is excluded from the requirement to obtain a Clean Air Act Permit Program (CAAPP) permit.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all current permits issued for this location.
- 2. 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 Agency. 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 Agency.
- 3. Emissions and operation of the dry cleaning operation shall not exceed the following limits:

Petroleum Solvent Consumption		Solvent Density	Emissions Volatile Organic Material	
<u>(Gal/Month)</u>	<u>(Gal/Year)</u>	<u>(Lb/Gal)</u>	<u>(Lb/Month)</u>	<u>(Tons/Year)</u>
350	4,200	6.3	2,205	13.23

These limits are based on maximum solvent usage. Compliance with annual limits shall be determined from a running total of 12 months of data.

4. This federally enforceable state operating permit (FESOP) constrains potential VOM emissions to below 25 tons per year, therefore the requirements of 35 Ill. Adm. Code 218.607 through 218.610 do not apply to this dry cleaning facility.
5. The Permittee shall maintain annual and monthly records of the petroleum solvent consumption (gallon/month and gallon/year).
6. The records required by this permit shall be retained at a readily accessible location at the plant for at least three years from the date of entry and shall be made available for inspection and copying by the Agency and USEPA upon request.
7. 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 Agency's Compliance Unit 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. This report should be sent to:
8. 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  
9511 West Harrison  
Des Plaines, Illinois 60016

9. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: petroleum solvent used during the prior calendar year.

Page 3

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

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

DES:JDK:psj

cc: Region 1  
IEPA, Compliance Section  
Lotus Notes

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from the dry cleaning operation 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. The resulting maximum emissions are well below the levels, e.g., 25 tons per year 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.

1. Emissions and operation of the dry cleaning operation shall not exceed the following limits:

Petroleum Solvent Consumption		Solvent Density	Emissions Volatile Organic Material	
<u>(Gal/Month)</u>	<u>(Gal/Year)</u>	<u>(Lb/Gal)</u>	<u>(Lb/Month)</u>	<u>(Tons/Year)</u>
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These limits are based on maximum solvent usage. Compliance with annual limits shall be determined from a running total of 12 months of data.

JDK:psj

I. INTRODUCTION

An application has been voluntarily submitted to modify the current state operating permit for Olympic Cleaners to voluntarily incorporate federally enforceable limits. These limits would prevent the facility from being a major source of emissions so that an operating permit does not have to be obtained under the Clean Air Act Permit Program. The proposed limits would be accompanied by recordkeeping and reporting requirements to assure that the plant is operated as a non-major source. Unlike the site's current operating permit, these conditions would be enforceable by both the State of Illinois and USEPA.

II. PROJECT DESCRIPTION

Olympic Cleaners is a dry cleaning business using petroleum solvent. The facility has washers and dryers. The washers are combination units which wash or clean and extract. The solvent is filtered and recycled. Spent filters and sludge are picked up for disposal by an outside company on a regular basis.

Dry cleaning involves the cleaning of fabrics with nonaqueous organic solvents. The dry cleaning process requires three steps: (1) washing the fabric in solvent, (2) spinning to extract excess solvent, and (3) drying by tumbling in a hot air stream.

Two general types of cleaning fluids are used in the industry, petroleum solvents and synthetic solvents. Petroleum solvents are inexpensive hydrocarbon mixtures similar to kerosene. Operations using petroleum solvents are known as petroleum plants. Synthetic solvents are nonflammable but more expensive halogenated hydrocarbons. Operations using these synthetic solvents are respectively called perchloroethylene plants and fluorocarbon plants.

III. EMISSIONS

The solvent itself is the primary emission from the dry cleaning operations. The petroleum solvent is a volatile organic material (VOM). This solvent is evaporated into the atmosphere. Solvent is given off by washer, dryer, solvent still, muck cooker, still residue, and filter muck storage areas, as well as by leaky pipes, flanges, and pumps.

IV. APPLICABLE EMISSION STANDARDS

All emission sources in Illinois must comply with Illinois Pollution Control Board emission standards. The Board's emission standards represent the basic requirements for sources in Illinois.

V. ADDITIONAL REQUIREMENTS FOR MAJOR PROJECTS

This project achieves Non-major status because the permit will limit emissions to below those which would be allowed if the project

operated continuously at the maximum operating rate at the level allowed by applicable emission standards. As a result the emissions of VOM are less than 25 tons per year which is the level at which the emissions would be considered major.

VI. REQUEST FOR COMMENTS

It is the Illinois EPA's preliminary determination that the project meets all applicable state and federal air pollution control requirements, subject to the conditions proposed in the draft permit. The Illinois EPA, therefore, is proposing to issue a permit for this project.

Comments are requested on this proposed action by the Illinois EPA and the proposed conditions of the draft permit. If substantial public interest is shown in this matter, the Illinois EPA will consider holding a public hearing in accordance with 35 Ill. Adm. Code Part 164.

DWH:jar