

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
1021 N. Grand Avenue East
P.O. Box 19506
Springfield, Illinois 62794-9506

Project Summary for an Application from
N. Henry & Son, Inc. for Renewal of the
Federally Enforceable State Operating Permit (FESOP) for
N. Henry & Son, Inc.
Chicago, Illinois

Site Identification No.: 031600GAQ
Application No.: 96090084

Schedule

Public Comment Period Begins: 04/15/2009
Public Comment Period Closes: 05/15/2009

Illinois EPA Contacts

Permit Analyst: Robert Bernoteit
Community Relations Coordinator: Brad Frost

I. INTRODUCTION

N. Henry & Son, Inc. has applied for renewal of its Federally Enforceable State Operating Permit (FESOP) for its screen printing facility located at 6450 West Cortland Avenue in Chicago. This plant requires an air pollution control operating permit because it is a source of emissions. The Illinois EPA has prepared a draft of the renewed permit that it would propose to issue for the plant. However, before renewing the permit, the Illinois EPA is holding a public comment period to receive comments on this proposed action and the terms and conditions of the draft permit that it would propose to issue.

II. SOURCE DESCRIPTION

N. Henry & Son, Inc. is a screen printing facility, which performs screen printing on plastic substrates. The emission units at this plant that require an operating permit include three screen printing lines. These units are sources of emissions because the printing inks and associated printing solutions contain organic solvents, which are emitted to the atmosphere during the printing process as Volatile Organic Material (VOM).

III. GENERAL DISCUSSION

Federally Enforceable State Operating Permits (FESOPs) are federally enforceable, that is, the terms and conditions of the permits can be enforced by USEPA under federal law, as well as by Illinois government and the public under state law. These permits can establish federally enforceable limitations on the operation and emissions of a source that restrict the potential emissions of the source.

The source has been operating this plant under a FESOP because the actual emissions of the plant are below the levels at which the plant would be considered a major source under Title V of the federal Clean Air Act. However, in the absence of federally enforceable limitations, the plant's potential emissions would be such that the plant would be considered a major source. The permit acts to restrict the plant potential emissions so that it need not be considered a major source. As a result, the source does not need to obtain a Clean Air Act Permit Program (CAAPP) permit for the plant, as would otherwise be required.

The FESOP limits the operation and annual emissions of the plant to below the major-source-thresholds of 100 tons for VOM.

IV. APPLICABLE EMISSION STANDARDS

All emission units in Illinois must comply with state emission standards adopted by the Illinois Pollution Control Board. These emission standards represent the basic requirements for sources in Illinois. The Board has specific standards for units emitting Volatile Organic Material in the greater Chicago area. The source has elected to limit its production and emissions to levels at which the applicability of rules requiring the use of add-on pollution control equipment would be required. Such limits on the production and VOM emissions at this source must also be federally enforceable. The application shows that the plant is in compliance with applicable state and federal emission standards.

V. CONTENTS OF THE PERMIT

The renewed permit that the Illinois EPA is proposing to issue would continue to identify the specific emission standards that apply to the emission units at the plant. The three screen printing lines subject to 35 Ill. Adm. Code 218.301, which requires that the emission of VOM to not exceed 8 lbs/hour. The conditions of this permit are intended to ensure that the source continues to comply with applicable emission standards.

The permit would also contain limitations and requirements to assure that this plant is operated as a non-major source. The permit would limit the operation and annual emissions of the plant to below the major-source-thresholds of 100 tons for VOM. Annual emissions of other pollutants from the plant are well below the 100 ton major source threshold.

The permit would also set limitations on the amount of VOM in ink and printing solutions used at this plant. These limitations are consistent with the historical operation of emission units at the plant.

The permit conditions would also continue to require appropriate compliance procedures, including inspection practices as well as recordkeeping and reporting requirements. The source must carry out these procedures on an on-going basis to demonstrate that the plant is being operated within the limitations set by the permit and the plant's emissions are being properly controlled.

VI. REQUEST FOR COMMENTS

It is the Illinois EPA's preliminary determination that the source has met the requirements for renewal of its permit. The Illinois EPA is therefore proposing to renew the permit.

Comments are requested on this proposed action by the Illinois EPA and the proposed conditions on 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 IAC Part 166.