

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
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Project Summary for an Application from
Skolnik Industries, Inc. for Renewal of the
Federally Enforceable State Operating Permit (FESOP) for
4900 South Kilbourn Avenue, Chicago, Illinois

Site Identification No.: 031600FHF
Application No.: 88020071

Schedule

Public Comment Period Begins: April 4, 2014
Public Comment Period Closes: May 4, 2014

Illinois EPA Contacts

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I. INTRODUCTION

The Skolnik Industries, Inc. currently operates under federally enforceable state operating permit (FESOP) which was issued five years ago. The company has applied for a revision of its FESOP to incorporate the new conveyORIZED cold degreaser with rust inhibitor applicator from construction permit 13120010. This addition to company's operations required to incorporate in the FESOP appropriate restrictions on the new emission unit operations to continue to operate as non-major source for the purposes of the Clean Air Act Permit Program (CAAPP).. 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 issuing 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

The Skolnik Industries, Inc. manufactures metal drums and containers. The metal sheet are formed in the drums, cleaned in three degreasers and painted in seven spray booths. The painting equipment is periodically cleaned with a solvent. The principal air contaminant emitted from the facility is Volatile Organic Material (VOM), generated during the ink application and from solvents usage. Some of the organic solvents may contain hazardous air pollutants (HAP). Heat for process equipment and offices is provided by natural gas-fired boilers and ovens. This process generates emissions of natural gas combustion pollutants: Carbon Monoxide (CO), nitrogen oxides (NO_x), particulate matter (PM), sulfur dioxide (SO₂) and 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 Clean Air Act and regulations promulgated thereunder. 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 for this program. 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, 10 tons for an individual HAP and 25 tons for combined HAPs.

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, e.g., 35 IAC, Part 218, Subpart E – Solvent Cleaning, Subpart F - Coating Operations.

Miscellaneous Metal Parts and Products Coating is eligible for exemption from requirements of 35 Ill. Adm. Code 218.187 - Other Industrial Solvent Cleaning Operations.

Drum coating is subject to emission standards of 35 Ill. Adm. Code 218 Subpart F but is exempt from general VOM emission limitation in 35 IAC 218.301 – Use of Organic Material.

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. As explained, the non-coating equipment cleaning operations are subject to 35 IAC 218.187 control requirements, which restricts VOM content of cleaning solutions.

The drum coating operations are subject to 35 IAC 218.204(j)(3) and (q)(1)(V), (W), (X) and (Y) which requires limitations on the VOM content of the coatings. 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, 10 tons for an individual HAP and 25 tons for combined HAPs. (Annual emissions of other pollutants from the plant are well below the 100 ton major source threshold.)

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.