

Illinois Environmental Protection Agency  
Bureau of Air, Permit Section  
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Project Summary for an Application from  
Darwill for Renewal of the  
Federally Enforceable State Operating Permit (FESOP) for  
11900 Roosevelt Road  
Hillside, Illinois 60162

Site Identification No.: 031123ABZ  
Application No.: 01100015

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**I. INTRODUCTION**

Darwill has applied for renewal of its Federally Enforceable State Operating Permit (FESOP) for its commercial lithographic printing facility at 11900 Roosevelt Road in Hillside. 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 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**

Darwill is a commercial lithographic printing facility that utilizes sheetfed coldest offset lithographic printing presses.

Paper substrate is added to the printing press and coatings, such as inks and varnishes, and fountain solutions are applied. The paper is then cut and distributed. The printing presses are cleaned with solvents and rags are stored in closed containers.

Nine coldest offset lithographic printing presses are operated. A typical offset lithographic printing project begins with image processing. The processed image is proofed, and once approved, is sent to plate making. A finished plate is then put onto the press for "make ready", in which several trial runs are made with adjustments until an acceptable finished product is produced. After all adjustments are set for a finished quality product, the actual printing run occurs to produce the required amount of printed material. The printed material is then sent to finishing where the product is trimmed and packaged for shipment to the customer.

Raw materials include fountain solutions, press washes, cleaning solvents, inks and coatings. The raw materials contain organic solvents which are emitted to the atmosphere during the printing process as volatile organic material (VOM). These materials also contain components that are considered hazardous air pollutants (HAPs).

**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 not 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. The rules for non-heatset web offset lithographic printing in the Greater Chicago Area require low VOM contents for fountain solutions used and low vapor pressure materials must be used for cleaning solutions or low VOM content materials. 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, would continue to identify the specific emission standards that apply to the emission units at the plant. 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 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 issuance 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.

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