

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
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Project Summary for an Application from
Intermatic Incorporated for a
Federally Enforceable State Operating Permit (FESOP) for
7777 Winn Road
Spring Grove, IL 60081

Site Identification No.: 111080AAC
Application No.: 96030122

Illinois EPA Contacts

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I. INTRODUCTION

Intermatic Incorporated has applied for a Federally Enforceable State Operating Permit (FESOP) for its miscellaneous manufacturing plant at 7777 Winn Road in Spring Grove. 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

The source manufactures miscellaneous items such as low voltage lighting, professional lighting, photo controllers, surge suppressor strips and electro-mechanical and electronic timers for consumer and industrial use. Raw materials, such as plastic, steel, brass and aluminum are ultimately manufactured into parts for sub assembly and final assembly. The source's products are manufactured through modeling, punch presses and screw machine departments. Some molded parts are sent directly to sub assembly. Punch press parts are degreased prior to being sent to sub assembly. Automatic screw machine parts are cleaned or degreased prior to sub assembly. From sub assembly, parts go to final assembly and ultimately to warehousing for shipment to the source's customers.

The emissions of volatile organic material (VOM) result from the use of lithographic printing-related materials, such as lithographic inks, fountain solution additives, coatings and cleaning solvents. These materials contain organic solvents which are emitted into the atmosphere during their use.

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 applied for 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. Lithographic printing operations are regulated by 35 Ill. Adm. Code 218.207. These regulations require afterburner control that reduces VOM emissions by ninety percent. Fountain solution is required to be five percent VOM by volume or less. Cleaning solutions used on any lithographic printing lines are required to be thirty percent VOM or less or they are required to have a low VOM composite partial vapor pressure less than 10 mmHg at 20°C (68°F). However, the source has elected to keep their VOM emissions from lithographic printing to below 100 pound per day. Therefore, they are exempt from the requirements of Section 218.407. The application shows that the plant is in compliance with applicable state (AND FEDERAL) emission standards.

V. CONTENTS OF THE PERMIT

This permit that the Illinois EPA is proposing, will 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 that 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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