

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
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Project Summary for an Application from
Cap and Seal Company for a
Federally Enforceable State Operating Permit (FESOP) for
1591 Fleetwood Drive
Elgin, Illinois 60123

Site Identification No.: 089438ABE
Application No.: 96120049

Illinois EPA Contacts

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I. INTRODUCTION

Cap and Seal Company has applied for a Federally Enforceable State Operating Permit (FESOP) for its Cap and Seal Manufacturing Plant at 1591 Fleetwood Drive in Elgin. 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

This facility manufactures caps and seals for various aerosol spray cans such as hair spray, paint spray, shaving cream, etc. The main production activities include plug fabrication, sealant coating, and oven drying. The manufacturing process starts by stamping metal sheets to make circle shaped caps and seals of desired sizes. Each stamping machine is enclosed in a clear plastic and lubricant is sprayed during the stamping process. The stamped caps and seals are lined with either solid rubber gaskets or liquid sealants. The coated caps and seals are dried in batch ovens. Most of the coatings are received in 55 gallon drums and these coatings are used as received. The coatings and vanishing oil contain organic solvents which are emitted to the atmosphere during the coating process and during operation of the punch press department 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 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. The coating operation at Cap and Seal Company is regulated by the coating of cans-end sealing compound coat and the applicable limitation is 3.7 pounds of VOM per gallon of coating. 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 would also set limitations on the amount of coatings and vanishing oil used in order to limit emissions. The Permit requires the Permittee to keep records of the coating and vanishing oil usage. With the records the Permittee maintains the Illinois EPA can verify compliance with Permit conditions and calculate the Plants air emissions. 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 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.