

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
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Project Summary for an Application from
Pride Container Corporation for a
Federally Enforceable State Operating Permit (FESOP) for
4545 West Palmer Street
Chicago, Illinois 60639

Site Identification No.: 031600FSS
Application No.: 10080030

Illinois EPA Contacts
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I. INTRODUCTION

Pride Container Corporation has applied for a Federally Enforceable State Operating Permit (FESOP) for its folding paper cartons manufacturing plant at 4545 West Palmer Street 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 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 principal elements to the preparation of an adhesive are corn starch and water. Certain chemicals (e.g., borax, caustic soda) may be added to impact desired characteristics (e.g., stability, viscosity, or preservation). The mixing, shearing and agitation of these materials would produce an adhesive useful to the manufacturing and labeling of cardboard boxes. The adhesive preparation is conducted near the southeast corner of the plant. The adhesive is also used in the labeling and corrugating processes. The principal products from the subject facility are cardboard boxes designed according to customer specifications. These boxes are shipped directly to customers.

The inks are applied to the boxes. Various organic solvents are used including clean-up solvents. The principal air contaminant emitted from the facility is Volatile Organic Material (VOM), generated during the ink application and from solvents usage. 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 is seeking to operate 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 applicable rules for flexographic printing lines are found in 35 Ill. Adm. Code 218.401. These rules require low VOM contents for the inks, however this source has accepted federally enforceable limits to keep VOM emissions levels below 25 tons per year which excludes this source from the applicable rule. Gluing and coating of cardboard is regulated by 35 Ill. Adm. Code 218.204c. This regulation limits VOM contents to 2.3 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

The permit that the Illinois EPA is proposing to issue would 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 issue 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.