

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
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Project Summary for an Application from
R. R. Donnelley and Sons Company for a
Federally Enforceable State Operating Permit (FESOP) Renewal
for 1600 North Main Street
Pontiac, Illinois 61764

Site Identification No.: 105060AAP
Application No.: 01040009

Illinois EPA Contacts
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I. INTRODUCTION

R. R. Donnelley and Sons Company has applied for a Federally Enforceable State Operating Permit (FESOP) renewal for their printing facility at 1600 North Main Street in Pontiac. 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

R. R. Donnelley and Sons Company - Pontiac Division is a web offset heatset lithographic printing facility. The Pontiac Division prints commercial magazine inserts and operates associated binding equipment to manufacture a final printed product. In this printing process, ink and fountain solution are transferred from rubber-covered "blanket" cylinders to both sides of a continuously moving paper web at one or more printing units (1 color at a time). The printed inserts are then bound and prepared for shipment.

A printing facility uses inks, solvents, and chemical solutions in various printing presses to produce customer specific graphic arts. Printing may be performed on various coated or uncoated paper stock. All printing presses have in common the application of solvent based inks and chemical solutions to the surface of moving material and the evaporation of the solvent exhausted from the system.

This printing facility utilizes web offset heatset lithographic presses for the printing. These presses use heat drying inks that dry quickly which can contain a wide percentage of solvent material.

A dryer is used to dry the inks. The solvent material in the inks and solvents is exhausted to and controlled by a thermal oxidizer. The thermal oxidizer destroys most of the solvent material. The remaining amount is emitted to the atmosphere as volatile organic material emissions.

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 emission standard that limits the heatset web offset lithographic printing presses is 35 Ill. Adm. Code 215.408(b). This regulation requires that the fountain solution used on the printing presses shall not exceed 8% by weight of volatile organic material. 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 renew 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 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.