

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
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Project Summary for Proposed Issuance of a
Construction Permit for
Mikron Industries Inc., d/b/a Mikron Midwest's
Wood Veneer Line to be added to their already existing
Vinyl Window and Door Frame Extrusion Operation in
Winnebago, Illinois

Site Identification No.: 201050AAL
Application No.: 11030016

Illinois EPA Contacts:

Permit Analyst: German Barria
Community Relations Coordinator: Brad Frost

Important Dates:

Application Received: March 9, 2011
Comment Period Begins: July 15, 2011
Comment Period Closes: August 14, 2011

PROJECT SUMMARY

I. INTRODUCTION

Mikron Industries Inc., d/b/a Mikron Midwest ("Mikron") has applied for a Construction Permit to for a wood veneer line to be added to its vinyl window and door frame extrusion operation in Winnebago. This plant requires an air pollution control operating permit because it is a source of emission. The Illinois EPA has prepared a draft of the construction permit that it would propose to issue for the plant. However, before issuing the construction 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.

II. SOURCE DESCRIPTION

Mikron manufactures window and door profiles that are shipped to fabricators who assemble vinyl window and door frames. Mikron uses granular PVC as a raw material which is melted in a heated extruder and forced through a die to create profiles need to assemble window and door frames. The emission units at this plant that require an operating permit include a lamination operation, cleaning operations, grinding/pulverizing operations, material handling operations, and the here proposed wood veneer line. These units are sources of emissions because the coatings and cleaning solutions contain organic solvents (and/or HAP), which are emitted to the atmosphere during the laminating and cleaning process.

III. GENERAL DISCUSSION

The source has applied for a construction permit and a renewal to their FESOP permit. The proposed construction permit is to construction and establishes emission and operating limits to the wood veneer line. Specifically Methylene Chloride material usage of 1,730 gal/year and Methylene Chloride (HAP) emission limit of 9.50 tons/year.

IV. APPLICABLE EMISSION STANDARDS

All emission units in Illinois must comply with the Illinois Pollution Control Board's emission standards. The Board's emission standards represent the basic requirements for sources in Illinois. The Board has specific standards for sources of volatile organic material in the greater Chicago area. The conditions of this permit are intended to ensure that the source will comply with all applicable Board standards.

V. CONTENTS OF PERMIT

The Construction Permit that the Illinois EPA is proposing to issue would identify the specific emission standards that apply to the proposed emission unit at the plant. As explained, the VOM emissions are subject to 35 Ill. Adm. Code 215.301, which requires limiting organic emissions to less than 8 lb/hr. The PM emissions are limited by 35 Ill. Adm. Code 212.321 based on the process weight rate. The conditions of this permit are intended to ensure that the source comply with applicable emission standards.

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 the Construction 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 of 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 Ill. Adm. Code Part 166.

GB: psj