

Illinois Environmental Protection Agency  
Bureau of Air, Permit Section  
1021 North Grand Avenue East  
P.O. Box 19506  
Springfield, Illinois 62794-9506  
217/782-2113

Project Summary for an Application from  
Fagerdala USA - Mendota for Construction of the  
Molding Machine and Other Plant Modifications in  
Mendota, Illinois

Site Identification No.: 099055ABD

Application No.: 06030031

Important Dates:

Comment Period Begins: July 22, 2006

Comment Period Closes: August 21, 2006

Illinois EPA Contacts:

Permit Analyst: Jason Schnepf

Community Relations Coordinator: Brad Frost

## PROJECT SUMMARY

### I. Introduction

A construction permit application has been submitted by Fagerdala USA - Mendota (“Fagerdala”) for installation of one new molding machine and modifications to other units at the plant. The limits in this permit prevent the project from being a new major source so that a Prevention of Significant Deterioration (PSD) Permit and a permit for new major sources of Hazardous Air Pollutants (HAPs) under Section 112(g) of the Clean Air Act is not required. The proposed limits would be accompanied by recordkeeping and reporting requirements to assure that the project is not a major modification.

### II. Source Description

Fagerdala is located in Mendota, Illinois, LaSalle County. LaSalle County is designated as attainment for all pollutants.

The only new equipment for this project is the new molding machine. In the molding process, polystyrene beads are expanded and molded into polystyrene packaging. The cured bead is formed into packaging parts, coolers, or helmet liners in molding machines. This unit is a source of emissions because the materials used contain volatile organic material (and/or HAP), which are emitted to the atmosphere during the molding process.

Several other units including the resin process, EPS bulk additive process, EPS cement process, and boilers will be modified as Fagerdala is requesting a higher emission rate than previously allowed.

### III. Emissions

The source has addressed the applicability and compliance of 40 CFR 52.21, Prevention of Significant Deterioration (PSD) and Section 112(g) of the Clean Air Act. The limits in this permit ensure that the plant does not constitute a new major source pursuant to these rules (i.e., less than 250 tons per year of volatile organic material (VOM) from the plant).

Emissions from the new molding machine and all other emission units at the plant are as follows:

<u>Pollutant</u>	<u>Emissions (Tons/Year)</u>
VOM	240
Individual HAP	3
Total HAP	3

Emission limits for each category of emission units, e.g., molding process, resin process, etc., are established in the permit.

#### **IV. Applicable Emission Standards**

All emission sources 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 standards for sources of VOM. This site readily complies with all applicable Board standards.

#### **V. Proposed Permit**

The conditions of the proposed permit contain limitations and requirements to assure that this project will not be considered a new major source pursuant to the PSD rules. The permit sets limitations on material usage and VOM emissions.

The permit conditions also establish appropriate compliance procedures, including inspection practices, recordkeeping requirements, and reporting requirements. The Permittee must carry out these procedures on an on-going basis to demonstrate that the facility is operating within the limitations set by the permit and are properly controlling emissions.

#### **VI. Request for Comments**

It is the Illinois EPA's preliminary determination that the this project meets all applicable state and federal air pollution control requirements, subject to the conditions proposed in the draft permit. The Illinois EPA is therefore proposing to issue a construction permit for this modification.

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 Ill. Adm. Code Part 166.