

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

Project Summary for a
Construction Permit Application from
Greif Packaging LLC for Changes to Its
Coating Operation
at Alsip, Illinois

Site Identification No.: 031003ABA
Application No.: 09020052

Illinois EPA Contacts:

Permit Analyst: Shashi Shah
Community Relations Coordinator: Brad Frost

Important Dates:

Application Received: February 25, 2009
Public Comment Period Begins: July 29, 2009
Public Comment Period Closes: August 29, 2009

PROJECT SUMMARY

I. INTRODUCTION

Greif Packaging LLC manufactures steel containers in Alsip. The project involves the installation of new paint spray booth to apply water-base coating on its large drum line. The proposed project requires a permit because of the emissions associated with the painting operation.

II. PROJECT DESCRIPTION

Using the electrostatic spray guns, the outside of the drum is painted with a water-based protective coating. The existing solvent based coatings line allows more flexibility.

Emissions of VOM and HAP result from the evaporation of solvent in the paint and in cleanup material. The booth's emissions of VOM and HAPs are minimized by use of water-based paints. The VOM/HAP emission increase will actually be lower since the painted drums will use the existing curing oven controlled by an afterburner. However, Grief did not account for any destruction at the curing oven. Filter is used for control of particulate matter (PM) emissions from the new spray booth.

III. PROJECT EMISSIONS

The potential VOM and HAP emissions from the proposed project based on the maximum projected usage of paint by the new booth are 39 tons per year. The particulate matter emissions from the project would not be more than 1.1 tons/year.

IV. APPLICABLE REGULATIONS

A. Emission Standards

The proposed project will comply with applicable state and federal emission standards, including the Illinois Air Pollution Control Board emission standards and regulations (35 Ill. Adm. Code: Subtitle B) and applicable federal emission standards.

In particular, Grief coating operations are subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Miscellaneous Organic Chemical Manufacturing, 40 CFR 63. These standards limit HAP emissions to no more than 2.6 pound of organic HAP per gallon of coating solids used.

B. Additional Requirements for Major Stationary Source Construction and Modification (MSSCAM)

The project is in an area classified as nonattainment for ozone. Emissions of VOM are regulated as a precursor to ozone. The plant is considered a major source of VOM for purposes of the MSSCAM regulations, 35 IAC Part 203. However, because the increase in VOM emissions resulting from this project is less than 40 tons

per year, the project will not trigger MSSCAM requirements for a major project.

V. DRAFT PERMIT

The conditions of the permit would contain limitations and requirements for the new paint booth. The permit would also establish appropriate compliance procedures, including inspection practices, recordkeeping requirements and reporting requirements.

VI. REQUEST FOR COMMENTS

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

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.

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