

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
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Project Summary for a
Construction Permit Application From
Caterpillar, Inc. for Changes
To the Existing HAP Management Program in
Joliet, Illinois

Site Identification No.: 197809AAC
Application No.: 06110037

Illinois EPA Contacts:

Permit Analyst: Jason Schnepf
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Important Dates

Application Received: May 14, 2007
Comment Period Begins: June 11, 2007
Comment Period Closes: July 11, 2007

PROJECT SUMMARY

I. Introduction

A construction permit application has been submitted by Caterpillar, Inc. located in Joliet, Illinois. This application is for revisions to the existing construction permit which addresses the facility's Hazardous Air Pollutant (HAP) Management Program. The HAP Management Program is required to ensure this facility remains a minor source of Hazardous Air Pollutants.

II. Source Description

The HAP Management Program is a formal program for the Management of Emissions of Hazardous Air Pollutants, which the Permittee must use for coating operations at the source. The program generally entails management of HAP emissions by forecasting of business and prediction of expected HAP emission of the source, and implementation of measures to reduce HAP emissions from the source based on predicted or actual emissions if needed to maintain HAP emissions below the major source thresholds.

The changes to the permit would allow an increase in coating usage, which would result in an increase in HAP emissions; however, the HAP emission will continue to be limited below the major source levels.

Caterpillar is located in Joliet, Illinois, Will County. Will County is designated as non-attainment for ozone.

III. Emissions

The changes to the limits in this permit will continue to ensure that the source is operated as a minor source of HAP emissions, i.e., less than 10 tons per year of an individual HAP and less than 25 tons per year of all HAPs combined.

Coating usage at the source, excluding acetone and other solvents that are "HAP-free" will be limited to 4,200 gallons/month and 42,000 gallons/year. This revised coating usage limit would correspond to individual HAP emissions of 1.0 tons/month and 9.7 tons/year and combined HAP emissions of 1.9 tons/month and 18.9 tons/year.

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 volatile organic material, which comprises most of the HAP emissions addressed by this permit. 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 source will not be considered a major source of HAPs. The permit sets limitations on coating usage and HAP emissions.

The permit conditions also establish appropriate compliance procedures, including 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.

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.