

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
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Project Summary for an Application from
Mapei Corporation for Issuance of the Construction Permit for
530 Industrial Drive, West Chicago, Illinois

Site Identification No.: 043090ABL
Application No.: 09050027

Schedule

Public Comment Period Begins: October 22, 2009
Public Comment Period Closes: November 21, 2009

Illinois EPA Contacts

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I. INTRODUCTION

Mapei Corporation has applied for a construction permit for its West Chicago plant. The construction permit application includes modifications to their latex spray dryer system to add a pre-heater to increase drying capacity and change of service of three storage tanks. This modification results in an increase of emissions of volatile organic materials (VOM) and hazardous air pollutants (HAP). The Mapei Corporation has proposed to restrict its production rate at the level which would limit emissions of VOM to less than 100 tons/year and total combined HAPs to less than 25 tons per year and any single HAP to less than 10 tons per year. These limits would prevent the facility from being subject to Section 112(g) of the Act. The Illinois EPA has prepared a draft of the construction 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

Mapei Corporation manufactures water-based adhesives, composites, and resin materials in addition to dry products such as grouts, cements, and binders for commercial construction and home improvement retailers.

III. GENERAL DISCUSSION

The limitations established by the construction permit 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 limitations on the operation of a source restrict the potential emissions of the source.

The construction permit limits the operation and annual emissions of the plant to below the threshold level of 10 tons per year of single HAP and total emissions of HAP to less than 25 tons per year excluding the source from the requirements of Section 112(g) of the Act.

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 Board's emission standards addressing VOM emissions from the plant are found in 35 Ill. Adm. Code, Part 218. The Board's emission standards addressing particulate matter emissions from the plant are found in 35 Ill. Adm. Code, Part 212. The company's operations are subject to general VOM emission limitations of Subpart G. The application shows that the facility is in compliance with applicable state emission standards.

V. CONTENTS OF THE PERMIT

The permit that the Illinois EPA is proposing to issue would identify the specific emission standards that apply to the emission units at the plant. As explained, the facility is subject to 35 Ill. Adm. Code Part 218 which includes specific equipment requirements and operation practices.

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 10 tons for an individual HAP and 25 tons for combined HAPs.

These limitations are consistent with the historical operation of emission units at the plant.

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 issuance of this 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 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.