

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
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Project Summary for an Application from
Komatsu Mining Systems, Inc. for a
Federally Enforceable State Operating Permit (FESOP) for
2300 NE Adams Street
Peoria, Illinois 61650

Site Identification No.: 143065API
Application No.: 95120081

Illinois EPA Contacts

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I. INTRODUCTION

Komatsu Mining Systems, Inc. has applied for a Federally Enforceable State Operating Permit (FESOP) for its office furniture manufacturing plant at 2300 NE Adams Street in Peoria. This plant requires an air pollution control operating permit because it is a source of emissions. The Illinois EPA has prepared a draft of the 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

Komatsu Mining Systems, Inc. is located at 2300 NE Adams Street Peoria, Illinois. The facility specializes in the manufacturing of off-road construction machinery. The facility is categorized under the primary Standard Industrial Classification (SIC) Code of 3531. This source operates three paint booths. These paint booths are used to apply coatings to the machinery.

The coatings contain organic solvents which are emitted to the atmosphere during the coating process as volatile organic material (VOM). These materials also contain components that are considered hazardous air pollutants (HAPs).

This source operates two engine test cells. Distillate fuel oil is used in the engines. Small boilers, space heaters and heat treat ovens are also used at this facility

The principal air contaminant emitted from the facility is nitrogen oxides which is generated from the fuel combustion process. Nitrogen oxides are formed thermally by a combination of oxygen and nitrogen in the air at a temperature at which fuel is burned.

In addition, sulfur dioxides (SO₂), carbon monoxide (CO), particulate matter (PM) and volatile organic material (VOM) are emissions formed by combustion processes. CO is formed by the incomplete combustion of fuel. SO₂ emissions are mostly generated during the combustion of fuel oil.

III. GENERAL DISCUSSION

Federally Enforceable State Operating Permits (FESOPs) 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 permits can establish federally enforceable limitations on the operation and emissions of a source that restrict the potential emissions of the source.

The source has been operating this plant under a FESOP because the actual emissions of the plant are below the levels at which the plant would be considered a major source under Title V of the federal Clean

Air Act. However, in the absence of federally enforceable limitations, the plant's potential emissions would be such that the plant would be considered a major source. The permit acts to restrict the plant potential emissions so that it need not be considered a major source. As a result, the source does not need to obtain a Clean Air Act Permit Program (CAAPP) permit for the plant, as would otherwise be required.

The FESOP limits the operation and annual emissions of the plant to below the major-source-thresholds of 100 tons for VOM, 10 tons for an individual HAP and 25 tons for combined HAPs.

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 Illinois Pollution Control Board has specific standards for units emitting volatile organic material in the Greater Chicago Area. The specific standard for coating is 35 Ill. Adm. Code 215 Subpart F Regulations for Coating Operations. These regulations limit the amount of VOM that may be in the coatings used. The application shows that the plant is in compliance with applicable state (AND FEDERAL) emission standards.

V. CONTENTS OF THE PERMIT

This permit that the Illinois EPA is proposing to issue will identify the specific emission standards that apply to the emission units at the plant. 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 100 tons for VOM, 10 tons for an individual HAP and 25 tons for combined HAPs. (Annual emissions of other pollutants from the plant are well below the 100 tons major source threshold.)

The permit conditions 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 its 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.

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