

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
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Project Summary for an Application from
Geneva Construction Company
Federally Enforceable State Operating Permit (FESOP) for
216 East Butterfield Road
North Aurora, Illinois

Site Identification No.: 089060AAA
Application No.: 09060046

Schedule

Public Comment Period Begins: December 8, 2010
Public Comment Period Closes: January 7, 2011

Illinois EPA Contacts

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I. INTRODUCTION

Geneva Construction Company has applied for a Federally Enforceable State Operating Permit (FESOP) for its North Aurora location. This facility requires an air pollution control operating permit because it is a source of emissions. The Illinois EPA has prepared a draft of this permit that it would propose to issue for the facility. However, before renewing 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

Geneva Construction Company is a hot mix asphalt facility. The emission units at this plant that require an operating permit include crushers, screens, conveyors, generators, and storage tanks. These units are sources of emissions because of asphalt making process and, fuel combustion. These emissions include Nitrogen Oxides, Carbon Monoxide, Sulfur Dioxide, Particulate Matter, and Volatile Organic Material.

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 is requesting to operate this facility 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 not 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 Nitrogen Oxides, Carbon Monoxide, Sulfur Dioxide, Particulate Matter, and Volatile Organic Material.

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. Illinois state regulations include 35 Ill. Adm. Code 212.321 limits PM emissions, 35 Ill.

Adm. Code 214.301 limits SO₂ from process emission units, and 35 Ill. Adm. Code 218.301 limits VOM emission from emission units. Federal regulations also regulate asphalt plants, and nonmetallic mineral processing (such as crushing screening and conveying. The application shows that the facility is in compliance with applicable state and federal 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 facility.

The crushers, screens, and conveyors are subject to 40 CFR 60 Subpart 000 for Nonmetallic Mineral Processing Plants; this regulation dictates operating requirements, fugitive emissions and recordkeeping.

35 Ill. Adm. Code 212.321 limits PM emissions, 35 Ill. Adm. Code 214.301 limits SO₂ from process emission units, and 35 Ill. Adm. Code 218.301 limits VOM emission from emission units.

The storage tanks must comply with 35 Ill. Adm. Code 218.122(b) to be equipped with submerged loading pipe or equivalent device.

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 facility to below the major-source-thresholds of 100 tons for Nitrogen Oxides, Carbon Monoxide, Sulfur Dioxide and Volatile Organic Material.

The permit conditions would also 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 this permit. The Illinois EPA is therefore proposing to issue this 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.