

Illinois Environmental Protection Agency  
Bureau of Air, Permit Section  
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Project Summary  
Methodist Medical Center of Illinois  
Federally Enforceable State Operating Permit (FESOP)  
Peoria, Illinois

Site Identification No.: 143065AEL  
Application No.: 98110039

Schedule

Public Comment Period Begins: December 11, 2013  
Public Comment Period Closes: January 10, 2014

Illinois EPA Contacts

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## **I. INTRODUCTION**

Methodist Medical Center of Illinois has applied for a Federally Enforceable State Operating Permit (FESOP) for their hospital. 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 renewed 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**

Emission units consist of three (3) 38.3 mmBtu/hr natural gas/distillate fuel oil-fired boiler (Boilers #1, #2 and #3), one (1) 16.7 mmBtu/hour natural gas/distillate fuel oil-fired boiler (Boiler #4), five (5) natural gas-fired boilers with combined firing rate 31.1 mmBtu/hr, two (2) 1,360 kW diesel-powered emergency generators, one (1) 505 kW diesel-powered emergency generator, and (1) Ethylene Oxide (ETO) Sterilizer. The principle air contaminants emitted are Volatile Organic Material (VOM), Nitrogen Oxides(NOx), Sulfur Dioxide(SO<sub>2</sub>), Carbon Monoxide(CO), and Particulate Matter(PM).

## **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 applying for 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, 100 tons for NOx, 100 tons for SO<sub>2</sub>, 100 tons for CO, and 100 tons for PM

#### **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 and Federal Government have specific standards for units emitting VOM in the greater Chicago area. The application shows that the plant 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 continue to 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, 25 tons for combined HAPs, 100 tons for NOx, 100 tons for SO<sub>2</sub>, 100 tons for CO, and 100 tons for PM. (Annual emissions of other pollutants from the plant are well below the 100 ton major source threshold.)

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 a FESOP. The Illinois EPA is therefore proposing to issue a FESOP.

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.