

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
1021 N. Grand Avenue East
P.O. Box 19506
Springfield, Illinois 62794-9506

Project Summary
Renewal - Federally Enforceable State Operating Permit (FESOP)
Advocate Good Samaritan Hospital
Downers Grove, Du Page County.

Site Identification No.: 043030ADQ
Application No.: 05090010

Schedule

Public Comment Period Begins: September 25, 2013

Public Comment Period Closes: October 25, 2013

Illinois EPA Contacts

Permit Analyst: German Barria

Community Relations Coordinator: Brad Frost

I. INTRODUCTION

Advocate Good Samaritan Hospital has applied for Renewal of its Federally Enforceable State Operating Permit (FESOP) for its equipment (four natural gas/distiller fuel fired boilers, three emergency diesel-powered generators, and three ethylene oxide sterilizers) at their facility located at 3815 Highland Avenue, Downers Grove, Du Page County. This facility requires an air pollution control operating permit because it is a source of emissions. The Illinois EPA has prepared a draft permit that it would propose to issue for the facility. However, before issuing a renewal 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

Advocate Good Samaritan Hospital is a healthcare provider facility. This facility emission is from the operation of boilers, diesel generators, and ETO sterilizers.

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.

This facility will be operating under a FESOP because the actual emissions of the facility are below the levels at which the facility would be considered a major source under Title V of the federal Clean Air Act. However, in the absence of federally enforceable limitations, the facility's potential emissions would be such that the facility would be considered a major source. The permit acts to restrict the facility 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 facility, as would otherwise be required.

The FESOP limits the emissions of air pollutants from the source to less than major source thresholds (i.e., 100 tons/year for Carbon Monoxide (CO), 100 tons/year for Nitrogen Oxides (NO_x), 100 tons/year for sulfur dioxide (SO₂), 10 tons/year for any single Hazardous Air Pollutant (HAP) and 25 tons/year for any combination of such Hazardous Air Pollutants (HAPs)).

This FESOP also limits the potential emissions of NO_x to less than 100 tons per year so that the source is not subject to the requirements of 35 Ill. Adm. Code Part 217 Subpart Q (Stationary Reciprocating Internal Combustion Engines And Turbines). The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.

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 has standards for sources of Nitrogen oxides (NO_x), Volatile Organic Material (VOM), Particulate Matter (PM₁₀), Carbon

Monoxide (CO), and Sulfur Dioxide (SO₂) emissions. 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 continue to identify specific emission standards that apply to the emission units at the facility. 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 facility 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 NO_x, CO, 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 ton major source threshold.)

The permit would also set limitations on (the minimum control efficiency and the amount of natural gas and #2 fuel oil used at this facility. These limitations are consistent with the historical operation of emission units at the facility.

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 facility is being operated within the limitations set by the permit and the facility'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 renewal 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.