

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

Project Summary for an Application from
Marathon Petroleum Company LLC for Renewal of the
Federally Enforceable State Operating Permit (FESOP) for
1402 South Delmar, Hartford, Illinois

Site Identification No.: 119050AAD
Application No.: 05070020

Schedule

Public Comment Period Begins: July 1, 2009
Public Comment Period Closes: July 31, 2009

Illinois EPA Contacts

Permit Analyst: Bruce Beazly
Community Relations Coordinator: Brad Frost

I. INTRODUCTION

Marathon Petroleum Company LLC voluntarily applied for a Federally Enforceable State Operating Permit (FESOP) for its Bedford Park plant. 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

Marathon Petroleum Company LLC is petroleum distribution terminal. The emission units at this plant that require an operating permit include One two-bay truck loading rack controlled by a vapor combustion unit (VCU), and nine storage tanks. These units are sources of emissions because the petroleum fuels stored and loaded contain volatile organic materials which are emitted to the atmosphere during the storage and loading process as volatile organic material (VOM). These volatile organic materials also contain components that are considered hazardous air pollutants (HAPs). Combustion in the vapor combustion unit generates emissions of nitrogen oxides (NO_x) and carbon monoxide (CO).

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 chose to operate 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 Clean Air Act and regulations promulgated thereunder. 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 for this program. 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 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, e.g., 35 IAC, Part

219, Subpart B: Organic Emissions From Storage And Loading Operations and Subpart Y - Gasoline Distribution. Some of the tanks are also subject to the New Source Performance Standards (NSPS), 40 CFR 60 Subpart Ka: Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 and Subpart Kb: Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984.

The source VOM emissions are subject to the general VOM emission limitation found in 35 IAC 218.301 - Use of Organic Material.

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. As explained, the facility is subject to 35 Ill. Adm. Code 218.582 which requires control equipment 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 its permit. The Illinois EPA is therefore proposing to renew 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.