

Illinois Environmental Protection Agency  
Bureau of Air, Permit Section  
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Project Summary for an Application from  
Marathon Petroleum Company LLC for  
Issuance of the Construction Permit for  
1402 South Delmar, Hartford, Illinois

Site Identification No.: 119050AAD  
Application No.: 07120055

Schedule

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

Illinois EPA Contacts

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## **I. INTRODUCTION**

Marathon Petroleum Company LLC has applied for a construction permit for its Hartford plant to increase their permitted throughput and associated emissions. This modification results in an increase of emissions of volatile organic materials (VOM) and hazardous air pollutants (HAP). The Marathon Petroleum Company LLC has proposed to restrict its production rate at the level which would limit emissions of VOM to less than 100 tons/year and total combined HAPs to less than 25 tons per year and any single HAP to less than 10 tons per year. These limits would prevent the facility from being subject to Section 112(g) of the Act. The Illinois EPA has prepared a draft of the construction 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<sub>x</sub>) and carbon monoxide (CO).

## **III. GENERAL DISCUSSION**

The limitations established by the construction permit 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 limitations on the operation of a source restrict the potential emissions of the source.

The construction permit limits the operation and annual emissions of the plant to below the threshold level of 10 tons per year of single HAP and total emissions of HAP to less than 25 tons per year excluding the source from the requirements of Section 112(g) of the Act.

## **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 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 renewal 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.