

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
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Project Summary for
a Revised Construction Permit for
Marathon Ashland Petroleum LLC in Robinson for
its Platformer Turnaround Project

Site Identification No.: 033808AAB
Application No.: 02090015

Illinois EPA Contacts:

Permit Analyst: Jason Schnepf
Community Relations Coordinator: Brad Frost

Important Dates

Comment Period Begins: July 25, 2007
Comment Period Closes: August 24, 2007

PROJECT SUMMARY

I. INTRODUCTION

A construction permit application has been submitted by Marathon Petroleum Company LLC ("Marathon") for a revision to the Platformer Turnaround project. In September 2002, Marathon was issued a permit for the project which entailed replacing catalyst and modifications to compressors in its Platformer Unit. This permit was subsequently revised in June of 2004 to correct emission factors. Since then, Marathon has discovered that the actual emission data used to calculate the increase in emissions from the project requires corrections. The purpose of this permit revision is to adjust the actual emissions for the existing heaters which effectively raises the emissions increase from the project. The permitted emissions for the existing heaters will be changed such that the project does not trigger the requirements for Prevention of Significant Deterioration (PSD) (40 CFR 52.21). The construction permit would have federally enforceable limitations on the affected emission units. The proposed limits would be accompanied by recordkeeping requirements.

II. SOURCE DESCRIPTION

Marathon operates a petroleum refinery located in Robinson, Illinois, Crawford County. Crawford County is designated as attainment for all pollutants. The Platformer project involved certain improvements at the Naphtha Hydrotreater/Platformer during the Fall 2002 Turnaround.

III. EMISSIONS

The increases in emission for this project are less than significant. Accordingly, the project would not be a major modification pursuant to the federal rules for Prevention of Significant Deterioration (40 CFR 52.21).

IV. APPLICABLE EMISSION STANDARDS

All emission sources in Illinois must comply with the Illinois Pollution Control Board's emission standards. The Board's emission standards represent the basic requirements for sources in Illinois. The Board has standards for sources of nitrogen oxides, carbon monoxide, volatile organic material, sulfur dioxide, and particulate matter. This site readily complies with all applicable Board standards.

V. PROPOSED PERMIT

The conditions of the proposed permit contain limitations and requirements to assure that this project would not be a major modification pursuant to the federal rules for PSD. The

permit sets limitations on nitrogen oxides, carbon monoxide, volatile organic material, sulfur dioxide, and particulate matter emissions.

The permit conditions also establish appropriate compliance procedures including recordkeeping requirements. The Permittee must carry out these procedures on an on-going basis to demonstrate that the facility is operating within the limitations set by the permit and are properly controlling emissions.

VI. REQUEST FOR COMMENTS

It is the Illinois EPA's preliminary determination that the facility meets all applicable state and federal air pollution control requirements, subject to the conditions proposed in the draft permit. The Illinois EPA is therefore proposing to issue a revised permit with federally enforceable limits for this project.

Comments are requested on this proposed action by the Illinois EPA and the proposed conditions on the draft permit.

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