Title V Air Operation Permit Revision
Marathon Petroleum Company, LP.
PROPOSED Permit No. : 0110048-018-AV

## APPLICANT

The applicant for this project is Marathon Petroleum Company LP and the responsible official and mailing address is: Ms. Angela S. Brown, Deputy Assistant Secretary, Marathon Petroleum Terminals, and LP. 539 S. Main Street, Findlay, Ohio 45840.

## FACILITY DESCRIPTION

The applicant operates the Spangler Terminal at 909 SE 24th Street, Fort Lauderdale, Broward County, Florida. The facility is a bulk petroleum products and denatured ethanol storage terminal. The primary emission sources of volatile organic compounds (VOC) and hazardous air pollutants (HAPs) are:

- *Floating Roof Storage Tanks* for storing petroleum products and denatured ethanol.
- *Fixed Roof Tanks* for storing additives, denatured ethanol, and petroleum contact water.
- *Loading Rack with Vapor Recovery Unit (VRU) and a Portable Backup Vapor Burner Unit (VBU)* for loading petroleum products, and gasoline/ethanol blend.
- *Piping and Equipment* include*:* Valves, fittings, and other equipment associated with petroleum products and gasoline/ ethanol blend loading operations.
- *Emergency Generator Engine*

Also included in this permit are miscellaneous insignificant emissions units and/or activities.

## PROJECT DESCRIPTION

The purpose of this permit is to revise the Title V Air Operation Permit No. 0110048-016-AV to incorporate the changes requested in construction permit 0110048-017-AC. Included in these changes are: A new internal floating roof (IFR) denatured ethanol storage tank (Tank 120-2). The existing welded steel IFR with a primary mechanical shoe seal and a secondary rim-mounted seal will be replaced with a bolded aluminum IFR with a primary mechanical shoe and secondary rim-mounted wiper seal. The bolted aluminum IFR will result in a slight increase in VOC emissions. There will not be any changes to the applicable requirements.

### PROCESSING SCHEDULE AND RELATED DOCUMENTS

Revised Title V Air Operation permit issued on xx/xx/2015.
Application for a Title V Air Operation Permit Revision received July 16, 2015

## PRIMARY REGULATORY REQUIREMENTS

Title III: The facility is a synthetic minor source of HAP.
Title V: The facility is a Title V major source of VOC in accordance with Chapter 62-213, Florida Administrative Code (F.A.C.).
PSD: The facility is a Prevention of Significant Deterioration (PSD) synthetic minor source of air pollution in accordance with Rule 62-212.400, F.A.C.
NSPS: The facility operates units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60.

NESHAP: The facility operates units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63.
CAM: Compliance Assurance Monitoring (CAM) applies to the loading rack with the VRU and the backup VBU.

## PROJECT REVIEW

The potential **emissions** were calculated for the new bolted aluminum IFR for Tank 120-2, assuming the entire 800,000,000 gallons maximum throughput was denatured ethanol. They are estimated to be 14.7 tons per year, therefore Marathon is not requesting an increase in the maximum allowable throughput of 800,000,000 gallons per year of gasoline/denatured ethanol or the potential emissions of 14.3 tons per year for EU 024. The bolted aluminum IFR will result in a slight increase in VOC emissions from Tank 120-2, therefore, an air construction permit and a Title Permit revision are required.

The construction permit, 0110048-017-AC, will be issued incorporating the existing rule requirements of the Title V permit 0110048-016-AV issued on September 14, 2015.

This project does not trigger additional requirements.

## CONCLUSION

This project revises the Title V air operation permit, 0110048-016-AV, which was issued on September 14, 2015 in accordance with the provisions of Chapter 403, Florida Statutes (F.S.), and Chapters 62-4, 62-210, 62-213, F.A.C.