Title V Air Operation Permit Revision
Permit No. 0570080-037-AV

APPLICANT

The applicant for this project is Marathon Petroleum Company LP. The applicant's responsible official and mailing address are: Timothy J. Aydt, Deputy Assistant Secretary, Marathon Petroleum Company LP, 539 South Main Street, Findlay, OH 45840.

FACILITY DESCRIPTION

The applicant operates the Tampa Light Products Terminal, which is located in Hillsborough County at 425 South 20th Street, Tampa, Florida.

The Terminal is a bulk terminal that stores and handles petroleum products and petroleum product additives. Gasoline, ethanol, distillates, and asphalt products are received via barge or tanker and stored in above ground storage tanks. All of the products are subsequently loaded into trucks for shipment offsite or can also be delivered into the pipeline owned by Central Florida Pipeline. The operations at this facility include 29 permitted storage tanks; an asphalt heater; a barge loading operation; and two truck loading racks (each loading rack consists of five loading bays, and each loading bay has 5 to 6 loading arms depending on the available arms in service), whose emissions are controlled by two Vapor Recovery Units (VRUs), Jordan Technologies Units, Model Nos. JOR JT4-11089-2X7240, and a R. A. Nichols Vapor Combustor Unit (RANE VCU), Model No. 8E27DB, Serial No. E24/B14. Each VRU contains two activated carbon beds and regeneration equipment. The RANE VCU is the backup control device for the VRUs in case of equipment malfunction or maintenance activities.

The Terminal is a major source of VOC and HAP emissions. The facility is subject to Rule 62-296.510, F.A.C. - Bulk Gasoline Terminals, and is also subject to 40 CFR 63, Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations). Also, the loading racks are subject to 40 CFR 60, Subpart XX - Standards of Performance for Bulk Gasoline Terminals, and the Asphalt Heater is subject to 40 CFR 63, Subpart DDDDD – National Emission Standard for Hazardous Air Pollutants for Industrial/Commercial/Institutional Boilers and Process Heaters. Storage Tank No. 80-19 is subject to 40 CFR 60, Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids. Storage Tank Nos. 54-22, 96-06 and 96-17 are subject to 40 CFR 60 Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced after July 23, 1984. All gasoline floating roof group tanks are subject to Rule 62-296.508, F.A.C. - Petroleum Liquid Storage.

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

PROJECT DESCRIPTION

The purpose of this project is to revise the current Title V Operation Permit for the above referenced facility.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Title V Air Operation Permit Revision Application received August 26, 2014
DRAFT/PROPOSED Title V Air Operation Permit Revision issued October 8, 2014
Notice of Intent to Issue Title V Permit Revision issued October 8, 2014
Public Notice Published in La Gaceta on October 17, 2014
FINAL Title V Air Operation Permit Revision issued December 12, 2014

PRIMARY REGULATORY REQUIREMENTS

Title III: The facility is identified as a major source of hazardous air pollutants (HAP).
Title V: The facility is a Title V major source of air pollution in accordance with Chapter 62-213, Florida Administrative Code (F.A.C.).
PSD: The facility is not a Prevention of Significant Deterioration (PSD)-major source of air pollution in accordance with Rule 62-212.400, F.A.C.
NSPS: The facility does operate units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60.
NESHAP: The facility does operate units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63.
CAIR: The facility is not subject to the Clean Air Interstate Rule (CAIR) set forth in Rule 62-296.470, F.A.C.

PROJECT REVIEW

The purpose of this project is to incorporate the air construction (AC) Permit Nos. 0570080-034-AC, 0570080-035-AC, and 0570080-036-AC into the current Title V Operation Permit No. 0570080-033-AV, which has an expiration date of September 23, 2016.

The AC Permit (-034-AC) authorized Marathon Tampa Terminal to replace the existing fixed-cone roof storage Tank 55-10 with a bolted aluminum internal floating roof (IFR) to the tank. The added IFR is equipped with a mechanical shoe primary seal.

The AC Permit (-035-AC) authorized Marathon Tampa Terminal to replace the existing fixed-cone roof storage Tank 55-14 with a bolted aluminum internal floating roof (IFR) to the tank. The added IFR is equipped with a mechanical shoe primary seal.

The AC Permit (-036-AC) authorized Marathon Tampa Terminal to increase the annual gasoline/denatured ethanol throughput from 985,000,000 gallons per year to 1,175,000,000 gallons per year and an increase in the annual gasoline additive throughput from 350,000 gallons per year to 417,512 gallons per year.

CONCLUSION

This project is to revise Title V Operation Permit No. 0570080-033-AV, which was issued on March 28, 2014. This Title V air operation permit revision is issued under the provisions of Chapter 403, Florida Statues (F.S.), and Chapters 62-4, 62-210 and 62-213, F.A.C.