Title V Air Operation Permit Renewal
Permit No. 0310028-026-AV

APPLICANT

The applicant for this project is NuStar Terminals Operations Partnership, L.P., NuStar Jacksonville Terminal. The applicant's responsible official and mailing address are: Jean Zeringue, NuStar Energy, L.P., 3033 Marina Bay Drive, Suite 310, League City, TX 77573.

FACILITY DESCRIPTION

This facility is a petroleum and non-petroleum products warehouse and storage terminal facility. The facility operations include storage tanks, tank truck loading, rail car loading and unloading, tanker ship loading and unloading, barge loading and unloading, and other handling and transfer operations of petroleum products.

PROJECT DESCRIPTION

This permit is to renew Title V Air Operation Permit No. 0310028-024-AV.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Title V Air Operation Permit No. 0310028-024-AV
Application for a Title V Air Operation Permit Renewal received January 17, 2014
Notice of Intent to Issue Air Permit issued **[Month day, year]**
Public Notice Published **[Month day, year]**

PRIMARY REGULATORY REQUIREMENTS

Title III: The facility is not 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 and 40 CFR 60, Subpart A, NSPS General Provisions.

EU023- Loading Rack Operation - Annex I: 40 CFR 60, Subpart XX and 40 CFR 63, Subpart BBBBBB- National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities;

EU034- Loading Rack Operation - Annex II, 40 CFR 60, Subpart XX and 40 CFR 63, Subpart BBBBBB- National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities;

EU037- Loading Rack Operation - Main Terminal: 40 CFR 60, Subpart XX, Standards of Performance for Bulk Gasoline Terminals and 40 CFR 63, Subpart BBBBBB- National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities;

EU040- Internal Floating Roof Tanks: 40 CFR 63, Subpart BBBBBB- National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities;

EU041- Internal Floating Roof Tanks - Subpart Ka, Standards of Performance for Storage Vessels for Petroleum Liquids and 40 CFR 63, Subpart BBBBBB- National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities;

EU042- Internal Floating Roof Tanks - Subpart Kb, Standards of Performance for Volatile Organic Liquid (VOL) Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 and 40 CFR 63, Subpart BBBBBB- National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities;

EU044- Two Process Heaters: 40 CFR 60, Subpart Dc,

EU045- New Hot Water Boiler: 40 CFR 60, Subpart Dc;

EU046- Two (2) Fire Pump Diesel Engines: 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines,

EU047: Emergency Diesel Engine Generator: 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

{Note: The hot water boiler, **EU045** is exempt from 40 CFR 63, Subpart JJJJJJ – National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources because it is a "gas-fired" boiler.}

{Note: **EU044** and **EU045** do not meet the definition of "steam generating unit" and are therefore not subject to Rule 62-296.406, F.A.C.}

NESHAP: The facility does operates 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.

CAM: Compliance Assurance Monitoring (CAM) applies to Units 023 and 034.

The control technology description and monitoring approach for each emissions unit subject to CAM is the same and summarized as follows:

VOC emissions are controlled by a vapor combustor unit (VCU). The effectiveness of the VCU is evaluated by monitoring the presence of flame using an ultraviolet flame detector (UFD). The UFD operates continuously, when the VCU is operating. Additionally, the tightness of the connection of the vapor return line to the tanker truck is also monitored. A tight connection of the vapor recovery line must occur, otherwise the automation system will not allow loading.
Emissions Unit Nos. 023 and 034 are subject to Compliance Assurance Monitoring (CAM) requirements.

GHG: The facility total CO_2e emissions (excluding biogenic CO_2) is 19,723 tons per year. The facility has the potential to emit less than 100,000 TPY of CO_2e emissions, and is therefore is not a major source of Greenhouse Gases based on EPA's 2010 Gas Tailoring Rule.

PROJECT REVIEW

This project renews Title V Air Operation Permit No. 0310028-024-AV. Additionally, minor changes in the descriptions and specific conditions for some of the emissions units were included.

The following changes were incorporated:

1. Minor descriptive changes for clarification (e.g., "tank trucks" to "gasoline tank trucks"),

2. Inclusion and specification of loading and storage products that have no effect on emissions limits (e.g., adding "lower vapor pressure inorganic liquid products" for EUs 023, 034 and 037),

3. Removal of references to compliance deadlines that have passed,

4. Tank No. 8321 was retrofitted with a liner and seal and may also store up to 100% ethanol.

CONCLUSION

This project renews Title V Air Operation Permit No. 0310028-024-AV, which was issued on September 12, 2012. This Title V Air Operation Permit Renewal is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210 and 62-213 and 214. In accordance with the terms and conditions of this permit, the above named permittee is hereby authorized to operate the facility as shown on the application and approved drawing(s), plans, and other documents on file with the Permitting Authority.