Title V Air Operation Permit Renewal
FINAL Permit No. 0110050-009-AV

## APPLICANT

The applicant for this project is Motiva Enterprises LLC. The applicant's responsible official and mailing address are: Mr. Les Millman, Florida Complex Manager, and P.O. Box 21180, Fort Lauderdale, Florida 33335.

## FACILITY DESCRIPTION

The applicant operates the Motiva Enterprises LLC – Port Everglades South Terminal, which is located at 1200 S.E. 28th Street, Fort Lauderdale, Broward County, Florida. The facility is a bulk petroleum products and denatured ethanol storage terminal. The main classes of products handled at the terminal are Gasoline, Denatured Ethanol, Avjet fuel and Distillate. The terminal receives refined Petroleum Products by pipeline and Denatured Ethanol by truck and rail. Gasoline/ethanol blend is produced by blending ethanol and gasoline at the loading rack. The products are stored onsite and are distributed either by pipeline or the terminal loading rack. Vapor emissions (VOCs and HAPs) generated during bottom loading operations at the loading rack are controlled by a vapor recovery unit (VRU) or a vapor combustion unit (VCU) connected in parallel, which represents the vapor treatment system. The vapors are directed to a VRU or VCU for treatment. The primary emission sources of volatile organic compounds (VOCs) and hazardous air pollutants (HAPs) are:

| Emission Unit No. | Brief Description |
|---|---|
| 015 | Petroleum Products Storage Tanks - *Internal Floating Roof Storage Tanks* (IFR). |
| 009 | Petroleum Products Storage Tanks - *Fixed Roof Storage Tanks.* |
| 001 | *Loading Rack with a vapor recovery unit (VRU) and a vapor combustor unit (VCU).* |
| 016 | *Piping and Components.* |

The facility also includes miscellaneous unregulated/insignificant emissions units and/or activities.

## PROJECT DESCRIPTION

The purpose of this permit is to renew the source existing Title V Air Operation Permit No.0110050-007-AV; and to incorporate the changes requested in permit, 0110050-008-AC. Update the CAM plan, make corrections to permit conditions, rule applicability; and other changes as noted in the permit application; update the facility potential to emit to reflect corrections to emissions calculation methodologies, as noted in the permit application.

## PROCESSING SCHEDULE AND RELATED DOCUMENTS

Application for a Title V Air Operation Permit Renewal received April 30, 2014.

## PRIMARY REGULATORY REQUIREMENTS

Standard Industrial Classification (SIC) Code: 5171 – Petroleum Bulk Stations and Terminals.
North American Industry Classification System (NAICS): 424710 – Petroleum Bulk Stations and Terminals.
HAP: 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 VOC in accordance with Chapter 62-213, Florida Administrative Code (F.A.C.).

PSD: The facility is a Prevention of Significant Deterioration (PSD) 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, Subpart XX; and Subpart Kb.
NESHAP: The facility operates units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63, Subpart BBBBBB. The source is exempted from Subpart R (National Emissions Standards for Gasoline Distribution Facilities) requirements except for recordkeeping of the "Emissions Screening Factor" (Et) parameters.
CAM: Compliance Assurance Monitoring (CAM) does apply to the loading rack with a VRU and the VCU, which is EU #001. This emissions unit limits the throughput of gasoline/ethanol blend loaded. The VRU and the VCU are the control devices to achieve compliance with the emissions limit. The VRU and VCU control VOC emissions.
GHG: The facility is not identified as a major source of greenhouse gas (GHG) pollutants.
FAC: The tanks of EU#015 are subject to 62-296.508 – RACT.

## PROJECT REVIEW

This project is to renew the 0110051-0007-AV permit and to incorporate changes requested under 0110050-008-AC, as construction of the VCU is scheduled to be completed by June, 2014. Update the Compliance Assurance Monitoring (CAM) plan for the VRU; correct the storage tank throughput limits in permit conditions B.2 (b) and C.2 (b) of the 0110050-007-AV from 600,000,000 gallons/year through "all tanks facility-wide" to 600,000,000 gallons/year through each tank. This is consistent with how the tanks were permitted and how emissions were evaluated for existing permit 0110050-007-AV. Also, to include the ethanol offload operation and emergency firewater pump engines in the permit as insignificant emissions unit; and to make other corrections to the permit in order to more correctly reflect actual operations at the facility. The changes are detailed in Section 6 of the application. They are in the facility description, revision of tank capacities to reflect maximum storage volumes based upon current design information. No physical changes are made to the tanks, removal of some conditions in Subsection C of the permit 0110050-009-AV. Update description and removal of conditions in Subsection D, as they no longer apply. **ADD OR CORRECT, IF NEEDED.**

## CONCLUSION

This project renews the existing Title V air operation permit No. 0110051-007-AV, which was effective December 14, 2009 and expired December 14, 2019. This Title V air operation permit renewal is issued under the provisions of Chapter 403, Florida Statues (F.S.), and Chapters 62-4, 62-210, 62-213 and 214, F.A.C.