TECHNICAL EVALUATION
AND
PRELIMINARY DETERMINATION

I. GENERAL INFORMATION

A. APPLICANT

Hess Corporation
1 Hess Plaza
Woodbridge, NJ 07095

Revised Draft Permit No: 0310180-013-AC
County: Duval

B. PROJECT

The applicant, Hess Corporation, applied on June 15, 2007, to the Department for a permit to construct three (3) 19,800 gallon horizontal fixed roof ethanol tanks, the construction of ethanol blending equipment and related piping equipment for ethanol blending with gasoline, the addition of ethanol as an allowable product in all existing floating roof tanks and the addition of ethanol as a product at the loading rack. The application was revised by the submittal of additional information from the applicant received on September 10, 2007. Instead of three 19,800 gallon horizontal fixed roof ethanol storage tanks the applicant will construct two 39,850 gallon vertical fixed roof ethanol storage tanks. The Hess Corporation, Jacksonville Terminal, is located at 2617 Heckscher Drive, Jacksonville, FL 32229.

II. RULE APPLICABILITY

The facility is located in an area designated as unclassifiable for the air pollutants particulate matter less than or equal to ten (10) micrometers, sulfur dioxide, and lead; and in an air quality maintenance area for ozone pursuant to Chapter 62-204, Florida Administrative Code (FAC), and Rule 2.201, Jacksonville Environmental Protection Board (JEPB).

The two 39,850 gallon storage tanks are subject to New Source Performance Standards, Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commences after July 23, 1984, because each tank stores Volatile Organic Liquids (VOL) with a vapor pressure greater than 15 kilo pascals pressure. The tanks are exempt from the control technology requirements of the rule since the vapor pressure of the material stored is less than 27.6 kilo pascals and the tanks are each less than 151 cubic meters in volume. The facility is a major source of air pollution because the potential emissions of regulated air pollutants are greater than 100 tons per year pursuant to Chapter 62-210, FAC, and JEPB Rule 2.301. The facility is a synthetic minor source of hazardous air pollutants (HAP) because the potential emissions are restricted to less than 10 tons per year for a single HAP and less than 25 tons per year for total HAPs pursuant to Rule 62-210, FAC, and JEPB, Rule 2.301. The facility is minor for purposes of Prevention of Significant Deterioration because the potential emissions of volatile organic compounds are less than 250 tons per year.

III. TECHNICAL EVALUATION

EU No.	EU Description	Control Device
014	Two 39,850 gallon vertical fixed roof tanks for the storage of ethanol; distillate fuel oil or other lower vapor pressure fuels	None

This EU is allowed to operate continuously, i.e., 8,760 hours per year.

40 CFR 60, 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, shall apply to the emission unit described herein. Please note that only the monitoring of operations requirements, as indicated below, portion of 40 CFR 60, Subpart Kb, applies to this emission unit. Applicable portions of Subpart A, General Provisions shall apply to the emission unit described herein.

The owner or operator of these storage vessels shall keep readily accessible records showing the dimension of each storage vessel and an analysis showing the capacity of each storage vessel. These records shall be kept for the life of the storage vessels.

The owner or operator of these storage vessels shall maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period for each storage vessel.

The owner or operator of these storage vessels shall notify the Administrator within 30 days when the maximum true vapor pressure of the liquid exceeds the maximum true vapor pressure value of 27.6 kilo pascals (kPa).

The maximum true vapor pressure of the VOL shall be determined in accordance with the methods and procedures specified in 40 CFR 60.116b(e).

The owner or operator of these storage vessels shall submit a notification of the date construction (or reconstruction as defined under 40 CFR 60.15) of an affected emission unit is commenced postmarked no later than 30 days after such date.

The owner or operator of these storage vessels shall submit a notification of the actual date of initial startup of an affected emission unit postmarked within 15 days after such date.

The owner or operator of these storage vessels shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of this emission unit.

The maximum throughput rate shall not exceed 60.0×10^6 gallons per year of ethanol.

Emission Unit Nos. 001, 002, 003, 011, and 013- Petroleum/Ethanol Storage Tanks

The above referenced storage tanks are now allowed to store gasoline, gasoline products, other lower vapor pressure petroleum products; and ethanol or other lower vapor pressure fuel products.

Emission Unit No. 005 - Six Bay Tank Truck Loading Rack

The above referenced loading rack is now allowed to load gasoline, gasoline products, ethanol, other lower vapor pressure petroleum products, and other lower vapor pressure fuel products. The VOC control device shall be used when loading gasoline, gasoline products, and ethanol. Throughput restrictions shall now be as follows:

The maximum gasoline throughput rate shall be limited to 108,000 gallons per hour and 600.00 x 10^6 gallons per year. The maximum distillate oil throughput rate shall be limited to 108,000 gallons per hour and 374.00 x 10^6 gallons per year. The maximum ethanol throughput rate shall be limited to 108,000 gallons per hour and 60.00 x 10^6 gallons per year. The maximum gasoline, gasoline products, and ethanol throughput rate combined shall be limited to 600.00 x 10^6 gallons per year.

IV. CONCLUSION

Based upon information provided by Hess Corporation, the Department has reasonable assurance that the proposed construction/modification of the existing bulk gasoline fuel terminal, as described in the application and subject to the conditions proposed herein, will not cause, or contribute to a violation of any ambient air quality standard or other technical provision of Chapters 62-296 and 62-297, FAC, Rules 2.1001 and 2.1101, JEPB.