

**CONDITIONS**

1. The Storage Tanks (4, 10, 15, 30, 31, 32, 60, 70, 90, & 91) and Loading Operations of Volatile Organic Compounds are permitted to operate subject to continuous compliance with Knox County Air Quality Management Regulations including, but not limited to: 19.0 (Regulation of Process Emissions), 25.0 (Permits), 35.0 (Regulation of Hazardous Air Contaminants), 40.0 (Regulation for the Performance of New Stationary Sources), and 46.0 (Regulation of Volatile Organic Compounds) and subject to continuous volatile organic compound emissions control through the effective use of seals maintained in good working order. Loading Operations are also subject to continuous control of VOC emissions through the effective use of a vapor recovery unit.
2. This facility must submit annual reports to this Department of emission calculations and the throughput of each stored volatile organic liquid from each storage tanks. Reports must be submitted for each calendar year within 30 days of the end of each said year.
3. Inspections of each tank and any feed lines to or from the tank shall be conducted at least once per month for the purpose of detecting any vapor or liquid leaks. A log (based on the calendar year) must be maintained which contains, as a minimum, the inspection date, identification of the unit(s) inspected, product contained in the tank at the time of inspection, and the name of the person(s) conducting the inspection. The yearly log must be maintained on file for a minimum of 5 years. A copy of the log shall be furnished to this Department upon request.
4. Any spillage or leakage from the tanks must be immediately reported by phone to this Department.
5. This facility is limited to the following of throughput per rolling 12 month period:  
  
Gasoline and Ethanol combined: 305,780,400 gallons  
  
Distillate:           109,536,000 gallons  
  
Additive:            405,200 gallons  
  
Contact Water/Storm Water/Tank Water Bottoms combined: 130,284 gallons
6. The Vapor Recovery Unit emissions are limited to 28 milligrams of volatile organic compounds per gallon of gasoline loaded.
7. Total plant wide emissions may not exceed 99.9 tons per year of VOC.

Permit No. S-0375-09A (Cont'd.)

8. Total plant wide emissions may not exceed 9.9 tons per year of any single hazardous Air pollutant, nor may such emissions exceed 24.9 tons per year of any combination of any hazardous air pollutants, as that term is defined by the Federal Clean Air Act.
9. Storage Tank No. 10 is limited to a maximum annual throughput of 50,000,000 gallons of ethanol and 109,536,000 gallons of distillate ( fuel oil #2) product ( not gasoline).
10. Storage Tank No. 10 must comply with all applicable provisions of 40 CFR 60 Subpart Kb. The storage tank must be controlled by a fixed roof with an internal, cable suspended, bolted aluminum pan (floating roof). This floating roof shall be equipped with a mechanical shoe primary seal and a shoe mounted secondary seal. All openings will be equipped with gaskets and covers bolted as required by the regulations.
11. The Loading Rack operations must comply with all applicable provisions of 40 CFR 60 Subpart XX. All truck loading of volatile organic liquids must be conducted at the loading rack and all displaced vapors captured and vented to the VRU.
12. Emissions testing shall be conducted within 180 days of commencing ethanol loading operations. The same testing as required in 40 CFR 60 Subpart XX ( 40 CFR 60.503) will be conducted for this test. This will include EPA Methods 21, 2A, and 25A ( or 25B). Alternate testing techniques may be used if prior approval is granted by the Department.
13. Loading of product at the loading rack is limited to a maximum of 3200 gallons per minute. No increase in the maximum rate is being allowed by this permit.
14. During the emissions testing operating parameters such as VRU carbon bed temperatures, vacuum pump pressure readings, and vacuum pump water seal temperatures will be monitored and recorded for use as performance indicators. These parameters may be included with limits on subsequent operating permits.
15. The proposed test protocol must be submitted to the Department for a 30 day review period. The test may not be conducted any sooner than 30 days after the Department has completed the review and approved the protocol.
16. Total VOC emissions from ethanol service operations may not exceed 4.9 tons per year.