

217/782-2113

CONSTRUCTION PERMIT - NSPS SOURCE - NESHAP SOURCE

PERMITTEE

Explorer Pipeline Company
Attn: James Sieck
6846 South Canton
Tulsa, Oklahoma 74136

Application No.: 02030032

I.D. No.: 119801AAA

Applicant's Designation:

Date Received: March 13, 2002

Subject:

Date Issued:

Location: 1355 Robins Road, Hartford

Permit is hereby granted to the above-designated Permittee to CONSTRUCT emission source(s) and/or air pollution control equipment consisting of an expansion to the existing source consisting of four internal floating roof storage tanks and one fixed roof storage tank as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a.
 - i. The four storage tanks Nos. T-423, T-424, T-432, and T-433 and one storage tank No. T-462 are subject to a New Source Performance Standard (NSPS) for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984, 40 CFR 60, Subparts A and Kb. The Illinois EPA is administering NSPS in Illinois on behalf of the United States EPA under a delegation agreement. The Permittee shall comply with the applicable requirements of 40 CFR 60, Subparts A and Kb.
 - ii. Except as specified in paragraphs (a) and (b) of 40 CFR 60.116b, the storage tank No. T-462 is exempt from the General Provisions of the NSPS and from the provisions of 40 CFR 60 Subpart Kb [40 CFR 60.110b(b)].
- b. The four storage tanks Nos. T-423, T-424, T-432, and T-433 are subject to National Emission Standards for Hazardous Air Pollutants (NESHAP) for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations), 40 CFR 63, Subparts A and R. The Illinois EPA is administering NESHAP in Illinois on behalf of the United States EPA under a delegation agreement. The Permittee shall comply with the applicable requirements of 40 CFR 63, Subparts A and R.
- c. The four storage tanks Nos. T-423, T-424, T-432, and T-433 and one storage tank No. T-462 are subject to 35 IAC 219.121: Storage Containers of Volatile Petroleum Liquid. The Permittee shall comply with the applicable requirements of 35 IAC 219.121.

- 2a. Gasoline shall only be stored in storage tanks T-423, T-424, T-432, and T-433 or similar tanks equipped with an internal floating roof. Tank No. T-462 will store distillate fuels only.
- b. The Permittee shall notify the Illinois EPA prior to storing materials in tanks other than those specifically identified above.
- 3. Each of the five new tanks shall be equipped with sloped or cone bottoms.
- 4. The total number of turnovers for storage tanks T-423, T-424, T-432, and T-433 shall not exceed 288 per year. The number of turnovers for tank T-462 shall not exceed 72 per year.
- 5a. Throughput of materials, by category of service, shall not exceed the following limits:

<u>Service</u>	<u>Throughput</u>	
	<u>(MMGallons/Mo)</u>	<u>(MMGallons/Yr)</u>
Gasoline/Transmix	128.50	1,028.16
Fuel Oil (Diesel, Jet Fuel)	32.13	257.04

Note: MM = million.

- b. Emissions from storage of material (including landing losses), by category of service, shall not exceed the following limits. USEPA's Tanks program will be used to determine breathing and working losses and USEPA's product clingage factor and the Evaporating Pool Model will be used to calculate roof landing losses.

<u>Service</u>	<u>VOM Emissions</u>	
	<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
Gasoline	4.08	32.57
Distillate Fuels	0.24	<u>1.87</u>

Total: 34.44

- 6. Emissions of VOM from the existing oil water separator associated with the operation of the five new tanks shall not exceed 0.21 tons/month and 1.64 tons/year.
- 7a. This permit is issued based on negligible emissions of volatile organic material from fugitive emissions associated with the operation of the new tanks. For this purpose, fugitive emissions from pumps, sampling connections, piping flanges, and valves shall not exceed 0.03 tons/year.
- b. This permit is issued based on negligible emissions of volatile organic material from loading and unloading of neoprene spheres associated with

the operation of the new tanks. For this purpose, emissions from shall not exceed 0.29 tons/year.

8. The Permittee shall maintain records of the following items:
 - a. Throughput for each type of product through each storage tank (MMgallons/month and MMgallons/year);
 - b. Number of turnovers per tank per month;
 - c. Tank landing losses with supporting calculations (tons/month and tons/year); and
 - d. Excluding landing losses, VOM emissions from each storage tank (tons/month and tons/year).
9. General requirements of the CAAPP permit with respect to retention and availability of records and submission of reports shall apply to the recordkeeping and reporting requirements of this permit.
10. This permit does not relax or revise requirements for the existing tanks and loading racks as established in 40 CFR 63, Subpart R; 40 CFR 60, Subpart XX; and 35 IAC 219 and set forth in the Clean Air Act Permit Program (CAAPP) permit for the source, CAAPP Permit 95090068.
11. Operation of the equipment covered by this permit is allowed under this construction permit until renewal of the Title V permit or a revision of the Title V operating permit has been issued incorporating these conditions provided a timely application is submitted to amend the Title V permit to incorporate these conditions.

If you have any questions on this, please call Jason Schnepf at 217/782-2113.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

DES:JMS:psj

cc: Region 3

PROJECT SUMMARY

I. Introduction

An application has been voluntarily submitted by Explorer Pipeline Company to add several tanks. The construction permit will have federally enforceable limitations on the emission units. These limits would prevent the facility from triggering 35 IAC 203: Major Stationary Sources Construction and Modification (MSSCAM). The proposed limits would be accompanied by recordkeeping and reporting requirements.

II. Source Description

Explorer Pipeline is located in Hartford, Illinois, Madison county. Madison county is designated as moderate nonattainment for ozone. The construction permit application includes four internal floating roof tanks and one fixed roof tank. The permit has limitations on the volatile organic material emissions as well as throughput limitations. These limits are required to ensure that the emissions increase for this project will not exceed 40 tons/year for volatile organic material.

III. Emissions

Emissions limits from this project will be established to ensure that a major modification does not occur.

IV. Applicable Emission Standards

All emission sources in Illinois must comply with the Illinois Pollution Control Board's emission standards. The Board's emission standards represent the basic requirements for sources in Illinois. The Board has standards for sources of volatile organic material. This site readily complies with all applicable Board standards.

V. Proposed Permit

The conditions of the proposed permit contain limitations and requirements to assure that this facility will not trigger the requirements of 35 IAC Part 203: Major Stationary Sources Construction and Modification (MSSCAM). The permit sets limitations on volatile organic material emissions. The permit conditions also establish appropriate compliance procedures, including inspection practices, recordkeeping requirements, and reporting requirements. The Permittee must carry out these procedures on an on-going basis to demonstrate that the facility is operating within the limitations set by the permit and are properly controlling emissions.

VI. **Request for Comments**

It is the Illinois EPA's preliminary determination that the facility meets all applicable state and federal air pollution control requirements, subject to the conditions proposed in the draft permit. The Illinois EPA is therefore proposing to issue a permit with federally enforceable limits for this construction project.

Comments are requested on this proposed action by the Illinois EPA and the proposed conditions on the draft permit. If substantial public interest is shown in this matter, the Illinois EPA will consider holding a public hearing in accordance with 35 Ill. Adm. Code Part 166.

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