

217/782-2113

CONSTRUCTION PERMIT - NSPS SOURCE

PERMITTEE

ExxonMobil Corporation
Attn: Paul A. Lipps
12909 High Road
Lockport, Illinois 60441

Application No.: 03060042
Applicant's Designation:
Subject: Loading Rack and Tanks
Date Issued: TO BE DETERMINED
Location: 12909 High Road, Lockport

I.D. No.: 197810AAL
Date Received: June 18, 2003

Permit is hereby granted to the above-designated Permittee to CONSTRUCT emission source(s) and/or air pollution control equipment consisting of a modification to the source to increase petroleum product throughput rates for storage tanks and a loading rack as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. Operation of the rack for gasoline shall not exceed a throughput of 42,000,000 gallons/month and 307,500,000 gallons/year. For this purpose, gasoline means any petroleum distillate or petroleum distillate/alcohol blend having a Reid vapor pressure of 27.6 kPa or greater, which is used as a fuel for internal combustion engines, as defined by 35 IAC 211.2570.
- b. Operation of the rack for distillate oil shall not exceed a throughput of 15,000,000 gallons/month and 100,000,000 gallons/year.
- 2a. i. Emissions from storage of material including roof landing losses, by category of service, shall not exceed the following limits:

<u>Service</u>	<u>VOM Emissions</u>	
	<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
Gasoline	2.00	12.44
Distillate Oil	----	0.25
Other (Ethanol, Additive, Product Water/Mixture)	----	<u>0.32</u>
	Total:	13.01

- ii. Fugitive emissions of VOM from leaking components (valves, pumps, flanges, etc.) associated with storage tanks shall not exceed 0.48 tons/year.

- b. i. Emissions from the loading rack shall not exceed the following limits:

<u>Service</u>	<u>VOM Emissions</u>	
	<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
Gasoline Loading	1.85	12.83
Distillate Loading	0.11	0.71
Fugitives	----	<u>10.26</u>
	Total:	23.80

- ii. The total organic emission rate for the loading rack, excluding fugitive losses, shall not exceed 10.00 milligrams per liter of gasoline loaded.
- iii. Emissions attributable to combustion of fuel in the vapor collection system shall not exceed the following limits:

<u>Pollutant</u>	<u>Emissions</u>	
	<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
Nitrogen Oxides	1.00	6.80
Carbon Monoxide	2.40	17.00

- c. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 months total).
3. The source has addressed the applicability and compliance of 35 IAC Part 203, Major Stationary Sources Construction and Modification (See Attachment 1). The limits established by this permit are intended to ensure that the modification addressed in this construction permit does not constitute a major modification pursuant to these rules.
4. The Permittee shall maintain records of the following items:
- Throughput for each type of product through each storage tank (gallons/month and gallons/year);
 - Throughput for each type of product through the loading rack (gallons/month and gallons/year); and
 - VOM emissions from each tank and the loading rack (tons/month and tons/year) with supporting calculations.
- 5a. This permit does not relax or revise requirements for storage tanks and the loading rack as established in 40 CFR 60, Subpart XX and 35 IAC 218 and set forth in the Clean Air Act Permit Program (CAAPP) permit for the source, CAAPP Permit 95090243.
- b. This permit does not relax or revise recordkeeping, monitoring, testing, or reporting requirements set forth in the CAAPP Permit for the source. In addition, 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.

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6. This permit establishes new operating and emission limitations for the loading rack and tanks that will supersede requirements for the loading rack and tanks established in the CAAPP permit.
7. The storage tanks and loading rack may be operated under this construction permit until renewal of the CAAPP permit or a modification of the CAAPP permit has been issued provided a timely application is submitted to amend the CAAPP permit to incorporate this modification.

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

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cc: Region 1
Lotus Notes

Attachment 1

Nonattainment NSR Applicability - VOM Netting Analysis

Contemporaneous Time Period of 1999 Through 2003

Table I - Emissions Increases and Decreases Associated With The Proposed Modification

<u>Item of Equipment</u>	<u>Past Actual* (Tons/Yr)</u>	<u>Future Potential (Tons/Yr)</u>	<u>Emissions Increase (Tons/Year)</u>
Gasoline Storage Tanks	11.26	12.44	1.18
Distillate Storage Tanks	0.23	0.25	0.02
Ethanol Storage Tanks	0.15	0.21	0.06
Additive Storage Tanks	0.05	0.06	0.01
Product Water/Mixture Storage Tanks	0.01	0.04	0.03
Fugitives (Storage Tank Related)	0.48	0.48	0.00
Loading Rack (Distillate Service)	0.57	0.71	0.14
Loading Rack (Gasoline Service)	1.77	12.83	11.06
Loading Rack Fugitives	6.17	10.26	4.09
Total:	20.69	37.28	16.59

* The Past Actual emissions are calculated by taking the average of the emission data from the previous two calendar years.

Table II - Source-Wide Creditable Contemporaneous Emission Increases

<u>Item of Equipment</u>	<u>Commencement of Operational Change Date</u>	<u>Emissions Increase (Tons/Year)</u>	<u>Permit Number</u>
None			

Table III - Source-Wide Creditable Contemporaneous Emission Decreases

<u>Item of Equipment</u>	<u>Commencement of Operational Change Date</u>	<u>Emissions Decrease (Tons/Year)</u>	<u>Permit Number</u>
None			

Table IV - Net Emissions Change

	<u>(Tons/Year)</u>
Increases And Decreases Associated With Proposed Modification	16.59
Creditable Contemporaneous Emission Increases	0.00
Creditable Contemporaneous Emission Decreases	0.00
	16.59

PROJECT SUMMARY

I. INTRODUCTION

An application has been voluntarily submitted by ExxonMobil Corporation to modify their terminal to allow for an increase in petroleum product throughput for storage tanks and a loading rack. 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

ExxonMobil is located in Lockport, Illinois, Will County. Will County is designated as attainment for all pollutants except ozone, which is designated as severe nonattainment. The construction permit application requests an increase in throughput for several storage tanks and a loading rack. The permit has limitations on the volatile organic material emissions as well as throughput limitations. These limits are required to ensure that the net emissions increase for this project as well as all other projects since 1999 will not exceed 25 tons per 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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