

217/782-2113

"REVISED"  
FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

PERMITTEE

Royster-Clark Nitrogen  
Attn: Mark Sasek  
P.O. Box 229  
East Dubuque, Illinois 61025-0229

<u>Application No:</u> 73120102	<u>I.D. No.:</u> 067800AAB
<u>Applicants Designation:</u>	<u>Date Received:</u> September 29, 1995
<u>Subject:</u> Ammonia Storage Terminal	
<u>Date Issued:</u> April 12, 1996	<u>Expiration Date:</u> April 12, 2001
<u>Location:</u> Rural, Niota	

Permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of an ammonia burning safety flare and ammonia process heater as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of nitrogen oxide (NO<sub>x</sub>) from the source to less than 100 tons, as further described in Attachment A. As the permit establishes enforceable limitations that restrict emissions to less than 100 tons in any consecutive 365 day period, the source is excluded from requirements to obtain a Clean Air Act Permit Program permit (CAAPP). If emissions are 100 tons or more in any consecutive 365 day period, the source may be required to obtain a CAAPP permit.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
2. This permit supersedes the current operating permit issued for this location.
- 3a. Operation of the ammonia burning safety flare and ammonia process heater shall not exceed the following limits:

Safety flare operating hours:	195 hours/year
Process heater throughput:	27.1 million cubic feet (mmft <sup>3</sup> )
- b. 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.
- c. Natural gas shall be the only fuel fired in process heater.
- 4a. The Permittee shall maintain monthly records of the following items for the source:

- i. Flare operating hours (hours/month and hours/year)
  - ii. Process heater natural gas usage (mmft<sup>3</sup>/month and mmft<sup>3</sup>/year)
  - b. The Permittee shall maintain records for any deviation or exceedance from the requirements of this permit, as determined by the above records or by other means, with date, time, duration, description, corrective action, and measures to prevent future reoccurrence.
  - c. These records shall be retained at a readily accessible location at the source for at least 3 years and shall be available for inspection and copying by the Agency and USEPA upon request.
5. The Permittee shall notify the Agency of any exceedance within 30 days, with information of the exceedance as described in Condition 4(b). The report shall be sent to:

Illinois EPA  
Bureau of Air  
Compliance Unit (#39)  
P.O. Box 19276  
Springfield, Illinois 62794-9276

The following special conditions are not federally enforceable:

- 6. The Permittee shall maintain the flare system in good working condition.
  - 7. In the event that the operation of this facility results in an odor nuisance or any other nuisance due to process operating conditions, raw materials usage or any other cause, the Permittee shall take all appropriate and necessary actions, including but not limited to, changes in process conditions or installing and operating emission controls, in order to eliminate the nuisance.
  - 8a. Records of any repairs or maintenance to the facility as related to emissions of nitrogen oxide including repairs to the safety flare and ammonia process heater with date and description of activity.
  - b. These records shall be retained at a readily accessible location at the source for at least 3 years and shall be available for inspection and copying by the Agency upon request.
9. With the Annual Emission Statement required pursuant to 35 Ill. Adm. Code Part 254, due May 1st of each year, the Permittee shall report the following data to the Agency.
- a. Flare operating hours (hours/month and hours/year)
  - b. Process heater natural gas usage (mmft<sup>3</sup>/month and mmft<sup>3</sup>/year)

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c. A summary of the records required by Condition 4(b).

10. The following Standard Conditions are not federally enforceable:  
Standard Conditions 3(a), 8, 9, 10, and 11.

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

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

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cc: IEPA, FOS Region 2  
IEPA, FOS - CMU  
USEPA

Attachment A - Emissions Summary  
Nitrogen Oxide Emissions

<u>Activity</u>	<u>Maximum NH<sub>3</sub> Released (Ton/Hr)</u>	<u>Factor (Lb/Ton NH<sub>3</sub>)</u>	<u>Emissions</u>	
			<u>(Lb/Hr)</u>	<u>(T/Yr)</u>
Safety Flare	0.18	5,411.76	974.12	95.0

These tables define the emissions from the ammonia storage facility and are based on the actual emissions determined from hourly unit capacity, emission standards, if applicable, and standard emission factors.

COMBUSTION EMISSIONS  
Natural Gas Annual Fuel Usage

<u>Activity</u>		<u>Therms</u>	<u>Factor (Lb/Therm)</u>	<u>Emissions</u>	
				<u>(Lb/Yr)</u>	<u>(T/Yr)</u>
Process Heater	Nitrogen Oxides	271,400	0.014	3,799.6	1.9
	Carbon Monoxide	271,400	0.0035	949.9	0.47
	Organic Material	271,400	0.0006	162.8	<u>0.08</u>
				Total:	2.45

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217/782-2113

October 2, 1996

IMC Nitrogen Company  
Attn: Mark Sasek  
P.O. Box 229  
East Dubuque, Illinois 61025-0229

I.D. No.: 067800AAB

Dear Mr. Sasek:

Enclosed is a revised permit letter which reflects only a change of name. Please note that if you have changed or intend to change this operation it will be necessary to apply for revision of your air pollution permit(s).

If you have any questions or require any assistance concerning these matters, contact Pam Klyber at 217/782-2113.

Very truly yours,

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

DES:PFK:73120102:jar

Enclosure

cc: Region 2  
I.D. File  
Permit File

217/782-2113

December 20, 1999

Royster-Clark Nitrogen  
Attn: Mark Sasek  
Post Office Box 229  
East Dubuque, Illinois 61025

I.D. No.: 067800AAB

Dear Mr. Sasek:

Enclosed is a revised permit letter which reflects only a change of ownership. Please note that if you have changed or intend to change this operation it will be necessary to apply for revision of your air pollution permit(s).

If you have any questions or require any assistance concerning these matters, contact Karen Luparell at 217/782-2113.

Very truly yours,

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

DES:KJL:psj

Enclosure

cc: Region 2  
I.D. File  
Permit File