

217/782-2113

CONSTRUCTION PERMIT - NESHP

PERMITTEE

BASF Corporation
Attn: Timothy B. Heidorn
3938 Porett Drive
Gurnee, Illinois 60031

Application No.: 99100090

I.D. No.: 097035AAQ

Applicant's Designation:

Date Received: March 8, 1996

Subject: Surfactant Manufacturing

Date Issued: November 12, 1999

Location: 3938 Porett Drive, Gurnee

Permit is hereby granted to the above-designated Permittee to CONSTRUCT emission source(s) and/or air pollution control equipment consisting of twelve storage tanks, a leak detection and repair (LDAR) program, and physical and operational changes to six existing process vessels as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

1. Operation of the emission units included in this permit shall not begin until all associated air pollution control equipment has been constructed and is operational.
2. This federally enforceable state construction permit is issued to limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 10 tons/yr for a single hazardous air pollutant (HAPs), 25 tons/yr for combined HAPs and 25 tons/yr for volatile organic material (VOM)).
3. Plant-wide emissions shall not exceed 8 tons/yr of a single HAP, 20 tons/yr for total HAPs and 20 tons/yr for VOM.
4. Emissions and operation of the twelve storage tanks shall not exceed the following limits:

<u>Material</u>	<u>Throughput (Tons/Yr)</u>	<u>Total HAP and VOM Emissions (Tons/Yr)</u>
Mineral Oil	1,000	
Parapol 9951	1,000	3
Surfactant Product Intermediate	2,000	
Diethyl Sulfate	250	
Glissopal 100	1,000	
Maleic Anhydride	250	
Surfactant Product	2,000	
Trisamine 40	1,000	
Soyadiethylamine	1,000	
Tallowamine Ethoxylate	1,000	

These limits are based on limits requested in the permit application. Compliance shall be determined from a running total of 12 months data.

5. In the event that the operation of this source results in an odor nuisance, the Permittee shall take appropriate and necessary actions to minimize odors, including but not limited to, changes in raw material or installation of controls, in order to eliminate the nuisance.
6. At all times the Permittee shall, to the extent practicable, maintain and operate the equipment, including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions.
7. The facility shall be operated in compliance with 35 Ill. Adm. Code 218.500 - 218.527, Subpart V: Batch Operations and Air Oxidation Processes.
8. All equipment in ethylene oxide service and all equipment in propylene oxide service shall be operated in compliance with 40 CFR Part 63, Subpart H, National Emission Standards for Organic HAPs for Equipment Leaks, Section 63.160 through Section 63.182, with the exception of Section 63.164 and Section 63.170.
9. The Permittee shall maintain records of the following items:
 - a. Material type and usage (gal/mo);
 - b. VOM and HAP content of all materials (lb/gal or wt. %); and
 - c. VOM, single HAP, and total HAPs emissions (tons/mo and tons/yr).
10. This permit is issued based on the fact that the above-specified units are identified in the Permittee's pending application for a CAAPP permit and are certified, by Permittee, to be in compliance with applicable regulations.
11. This permit does not preclude any future permitting review and evaluation nor does it shield the Permittee from any legal action for noncompliance with or circumvention of, applicable regulations.

It should be noted that a detailed review of the specified units will be performed during the review of the pending CAAPP application submitted for these units.

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

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

DES:RBS:jar

cc: Region 1