



File  
Seminole Fertilizer Corporation  
P.O. Box 471  
Bartow, Florida 33830  
(813) 533-2171  
Fax (813) 533-1319

RECEIVED

JAN 12 1990

DER-BAQM

January 10, 1990

Mr. Willard Hanks, P. E.  
Dept. of Environmental Regulation  
Bureau of Air Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Dear Mr. Hanks:

RE: PERMIT TO MODIFY  
NO. 5 PHOSPHORIC ACID PLANT A053-139168

Please note that we will not renew the enclosed permit for particulate emissions (0.75 lb/hr or  $\leq 3$  TPY) from No. 3 phosphoric acid plant when we are granted the permit to modify No. 5 phosphoric acid plant.

Thank you for your kind cooperation in the processing of the above permit.

Sincerely,

  
M. J. Martinasek  
Sr. Environmental Engineer

db

Enclosure

cc: K. V. Ford  
A. W. Martin  
A. F. Vondrasek

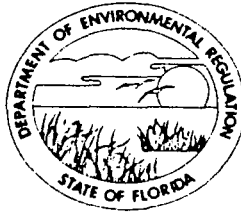
Willard Hawks

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT

7601 HIGHWAY 301 NORTH  
TAMPA, FLORIDA 33610



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

DR. RICHARD D. GARRITY  
DISTRICT MANAGER

PERMITTEE:

Mr. David S. Sharpe  
General Manager  
W. R. Grace & Company  
Post Office Box 471  
Bartow, Florida 33830

PERMIT/CERTIFICATION

Permit No.: A053-97061  
County: Polk  
Expiration Date: 3-11-90  
Project: No. 3 Phosphoric  
Acid Plant Bin (7201)  
*VENT. STACK No. 30*

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 & 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the operation of No. 3 phosphoric acid plant ground rock storage bin. Particulate emissions are controlled by a Mikropulsaire Model 45-8-70 Baghouse.

Location: One mile north of S.R. 60 between Bartow and Mulberry, Polk County.

UTM: 17-409.9 E 3086.8 N NEDS NO: 0046 Point ID: 28

Replaces Permit No.: A053-26977

PERMITTEE:  
W. R. Grace & Company

Permit/Certification No: A053-97061  
Project: No. 3 Phosphoric Acid  
Plant Bin

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Section 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- ( ) Determination of Best Available Control Technology (BACT)
- ( ) Determination of Prevention of Significant Deterioration (PSD)
- ( ) Certification of Compliance with State Water Quality Standards (Section 401. PL 92-500)
- ( ) Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirements:

a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

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W. R. Grace & Company

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Project: No. 3 Phosphoric Acid Plant Bin

b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

#### SPECIFIC CONDITIONS:

1. Test the emissions of this baghouse for the following pollutants from the date of reactivation of this source and at intervals of 6 months thereafter. Submit a copy of test data to the Air Section of the Southwest District Office within forty five days of such testing (Section 17-2.700 (2), Florida Administrative Code (F.A.C.)).

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Particulates | <input type="checkbox"/> Sulfur Oxides        |
| <input type="checkbox"/> Fluorides               | <input type="checkbox"/> Nitrogen Oxides      |
| <input checked="" type="checkbox"/> Opacity      | <input type="checkbox"/> Hydrocarbons         |
|  | <input type="checkbox"/> Total Reduced Sulfur |

2. Approved compliance stack testing of emissions must be conducted within approximately 10% of the permitted capacity (of 60 TPH). A compliance test submitted at operating levels less than 90% of permitted capacities will automatically constitute an amended permit at the lesser rate plus 10% until another test (showing compliance) at 90% of a higher capacity is submitted. Failure to submit the input rates or operation at conditions during testing which do not reflect actual operating conditions may invalidate the data (Chapter 403.161(1)(c), Florida Statutes).

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Project: No. 3 Phosphoric Acid Plant Bin

SPECIFIC CONDITIONS (con't):

3. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information as per Section 17-4.14, F.A.C.

- (A) Annual amount of materials and/or fuels utilized.
- (B) Annual emissions (note calculation basis).
- (C) Any changes in the information contained in the permit application.

4. All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provision in Section 17-2.610 (3), F.A.C.. These provisions are applicable to any source, including, but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling.

5. In order to qualify for the particulate RACT exemption, the Permittee has requested a maximum allowable particulate emission rate for this baghouse of 0.75 lb./hr.

6. Visible emissions shall not be equal to or greater than 20% opacity in accordance with Subsection 17-2.610(2)(a), F.A.C.

7. Compliance with the emission limitations of Specific Conditions Nos. 5 and 6 shall be determined using EPA Methods 1,2,3,5 and 9 contained in 40 CFR 60, Appendix A and adopted by reference in Section 17-2.700, F.A.C. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Section 17-2.700, F.A.C. and 40 CFR 60, Appendix A.

8. Because of the expense and complexity of conducting a stack test on minor sources of particulate matter, the Department pursuant to the authority granted under Subsection 17-2.700(3)(d), F.A.C. hereby waives the requirement for a stack test. The alternative standard set forth by this provision establishes a visible emission limitation not to exceed an opacity of 5%.

9. Should the Department have reason to believe the particulate emission standard is not being met, the Department may require that compliance with the particulate emission standards be demonstrated by testing in accordance with Section 17-2.700, F.A.C.

PERMITTEE:  
W. R. Grace & Company

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Project: No. 3 Phosphoric Acid Plant Bin

SPECIFIC CONDITIONS (con't):

10. The Department will be given written notice 15 days prior to all compliance tests.

Issued this 12<sup>th</sup> day of March  
1985.

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

Clare R. Palk, for  
Richard D. Garrity, Ph.D.  
District Manager