



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

RECEIVED

NOV 13 1991

Division of Air
Resources Management

NOV 8 1991

4APT-AEB

Mr. Clair H. Fancy, P.E., Chief
Bureau of Air Regulation
Florida Department of Environmental
Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

RE: Cargill Fertilizer, Incorporated, Riverview, Florida
(PSD-FL-178)

Dear Mr. Fancy:

This is to acknowledge receipt of your preliminary determination and draft Prevention of Significant Deterioration (PSD) permit for the above referenced facility by your letter dated October 14, 1991. Cargill Fertilizer, Incorporated, proposes to increase the diammonium phosphate (DAP) production rate at the No. 5 DAP plant from 114 TPH to 146 TPH.

We concur with your determination that a modified two-stage venturi/packed bed wet scrubber system represents BACT for DAP process equipment particulate emissions. As discussed between Mr. John Reynolds of your staff and Mr. Stan Kukier of my staff on October 28, 1991, FDER's particulate emission rate limit for the No. 5 DAP plant, 0.19 lb/ton P_2O_5 (12.8 lb/hr, 0.0122 gr/acf), is 14% lower than that originally requested by Cargill, based on the results of compliance stack testing conducted on July 18, 1991. The above particulate emission rate limit is 47% lower than the allowable PSD-FL-026 particulate emission rate limit, and also lower than any particulate limit previously determined BACT for a DAP facility.

A copy of the compliance stack test results, requested by Stan Kukier, was received by EPA-Region IV from John Reynolds on November 1, 1991.

Thank you for the opportunity to review and comment on this package.
If you have any questions or comments, please contact Mr. Stan Kukier
of my staff at (404) 347-5014.

Sincerely yours,

Sally L. Shaver, for

Jewell A. Harper, Chief
Air Enforcement Branch
Air, Pesticides, and Toxics
Management Division

cc: *J. Reynolds*
C. Holladay
B. Thomas
D. Garjani

~~BA~~ } FYI
~~PK~~

11-15

PA



IN REPLY REFER TO:

RW Air Quality
Mail Stop 60130

MAILING ADDRESS:
Post Office Box 25486
Denver Federal Center
Denver, Colorado 80225

STREET LOCATION:
134 Union Blvd.
Lakewood, Colorado 80228

PM
11-8-91
Denver, Co
United States Department of the Interior

FISH AND WILDLIFE SERVICE
Mountain-Prairie Region



NOVEMBER 07 1991

Mr. C.H. Fancy, P.E., Chief
Bureau of Air Regulation
Florida Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

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Resources Management

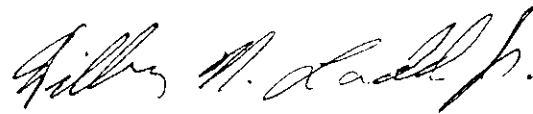
Dear Mr. Fancy:

We have completed our review of the material that you forwarded to us regarding Cargill Fertilizer's (Cargill) application to increase the production rate at their No. 5 Diammonium Phosphate plant in Riverview. As you know, the increased production rate will result in a significant increase in emissions of particulate matter (PM), but will also result in a decrease in sulfur dioxide and fluoride emissions. The Riverview facility is located 87 km SE of the Chassahowitzka Wilderness Area, a class I air quality area administered by the U.S. Fish and Wildlife Service.

We were pleased to see that the Florida Department of Environmental Regulation (FDER) performed both a class I visibility analysis and a cumulative class I PM increment analysis for the wilderness area. The visibility analysis indicates that the proposed increased emissions will not result in visibility impairment due to plumes in the wilderness area, and the FDER's increment analysis indicates that less than 13 percent of the annual average class I PM increment will be consumed. Therefore, based on the amount of proposed emissions, the distance from the class I area, and the results of your analyses, we do not anticipate that increasing the production rate at Cargill's Riverview facility will have a significant impact on sensitive air quality-related resources in the Chassahowitzka Wilderness Area.

We appreciated the opportunity to comment on Cargill's permit application. If you have any further questions regarding our comments on this project, please contact Tonnie Maniero of our Air Quality Branch at (303) 969-2071.

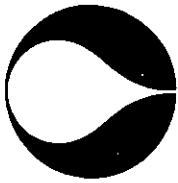
Sincerely,



Wilbur N. Ladd, Jr.
Assistant Regional Director
Refuges and Wildlife, Region 6

cc: Jellell Harper, Chief
Air Enforcement Branch
Air, Pesticides and Toxic Management Division
U.S. EPA, Region 4
345 Courtland Street, NE
Atlanta, Georgia 30365

CHE/BA/PL
John Reynolds
Clare Holladay
Darrel Graziani
Bill Thomas } 11-13-91 ASW



**CARGILL
FERTILIZER, INC.**

8813 Highway 41 South - Riverview, Florida 33569 - Telephone 813-677-9111 - TWX 810-876-0648 - Telex 52666 - FAX 813-671-6146

AIRBORNE

RECEIVED

September 12, 1991

007 22 1991

**Mr. Clair Fancy
Florida Department of Environmental
Regulation
2600 Blair Stone Road
Tallahassee, FL 32399**

**Bureau of
Air Regulation**

**Subject: Proof of Publication
Notice of Intent To Issue
A Permit to Cargill Fertilizer, Inc.
To Increase The Production Rate
No. 5 Diammonium Phosphate Plant**

Gentlemen:

**You will find attached Proof of Publication of receipt by
Florida State Department of Environmental Regulation of an
application for above listed permit from Cargill Fertilizer,
Inc.**

If there are any questions, please contact me.

Sincerely,

**for E. O. Morris
Environmental Manager**

:gf

File P-44A

**cc: G. Reynolds
C. Holladay
B. Thomas, SW Dist
J. Campbell, EPCHC
G. Harper, EPA
C. Shaver, NPS
BA/PL**



recycled paper

THE TAMPA TRIBUNE

Published Daily
Tampa, Hillsborough County, Florida

State of Florida }
County of Hillsborough } ss.

Before the undersigned authority personally appeared R. Putney, who on oath says that he is Accounting Manager of The Tampa Tribune, a daily newspaper published at Tampa in Hillsborough County, Florida; that the attached copy of advertisement being a

LEGAL NOTICE

in the matter of

STATE OF FLA

was published in said newspaper in the issues of

October 16, 1991

Affiant further says that the said The Tampa Tribune is a newspaper published at Tampa, in said Hillsborough County, Florida, and that the said newspaper has heretofore been continuously published in said Hillsborough County, Florida, each day and has been entered as second class mail matter at the post office in Tampa, in said Hillsborough County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he has neither paid nor promised any person, firm, or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

R. Putney

Sworn to and subscribed before me, this 17 day of October A.D. 19 91

Scott D. Williams

(SEAL)

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the petition taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this Notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
Department of Environmental Regulation
Southwest District Office
4520 Oak Fair Blvd.
Tampa, Florida 33610-7347.

Any person may send written comments on the proposed action to Mr. Preston Lewis at the Department's Tallahassee address. All comments received within 30 days of the publication of this notice will be considered in the Department's final determination.

Furthermore, a public hearing can be requested by any person. Such requests must be submitted within 30 days of this notice.
4663 10/16/91

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
REGULATION NOTICE OF INTENT TO ISSUE PERMIT
The Department of Environmental Regulation, hereby gives notice of its intent to issue a permit to Cargill Fertilizer, Inc., 8813 Highway 41 South, Riverview, Florida 33569, to increase the production rate of the No. 5 Diammonium Phosphate plant at their facility in Riverview, Hillsborough County, Florida. A determination of Best Available Control Technology (BACT) was required. The proposed project is subject to Prevention of Significant Deterioration regulations and federal new source performance standards. The project will increase total allowable diammonium phosphate production at the Cargill facility by approximately 21.7% and is not expected to result in significant deterioration of the environment. Modeling results showed that increases in ambient ground-level concentrations are less than the PSD significant impact levels for particulate matter (PM/PM10). The Department is issuing this intent to issue for the reasons stated in the Technical Evaluation and Preliminary Determination.
A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the

address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The petition shall contain the following information: (a) The name, address, and telephone number of each petitioner; the applicant's name and address; the Department Permit File Number and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.