

P.O. Box 9002 Bartow, FL

Phone: 941/534-9613 Fax: 941/534-9680

## FACSIMILE TRANSMISSION

DATE:	August 14, 1995		
TO:	JOHN REYNOLDS		
COMPANY:	FLORIDA DEP	FAX:	904/922-6979
FROM:	David Jellerson		

MESSAGE:

Attached is a copy of the public notice published in the June 24, 1995 issue of the Lakeland Ledger. Also attached is a copy of the Certified Mail receipt which indicates that the proof of publication was received by the Department on July 5, 1995.

If you need any additional information, please give me a call.

NUMBER OF PAGES INCLUDING THIS COVER PAGE: 4

PLEASE CONTACT David Jellerson AT 941/534-9613 IF THERE IS DIFFICULTY WITH THIS TRANSMISSION.





P.O. Box 9002 - Bartow, Fiorida 33830 - Telephone 941-534-9610 - FAX 941-534-9680

CERTIFIED MAIL: P 013 142 486

June 28, 1995

Department of Environmental Protection Bureau of Air Regulation 2600 Blair Stone Road Tallahassee, FL 32399-2400

Subject: Intent to Issue a Permit (PSD-FL-224) to increase the production of the No. 4 and No. 5 phosphoric acid plants from 140 to 170 tons P205 per hour and to install a new phosphoric acid filter. The facility is located at 3200 Hwy 60 West, Bartow, Polk County, Florida.

#### Gentlemen:

You will find attached Proof of Publication of the Notice of Intent to Issue subject permit as required by Florida Department of Environmental Protection.

If there are any questions, please contact me at (813) 534-9613.

Sincerely,

David B. Jellerson

Environmental Superintendent

# AFFIDAVIT OF PUBLICATION

## THE LEDGER Lakeland, Polk County, Florida

BARTOW/ADMIN

Case No
STATE OF FLORIDA) COUNTY OF POLK
Before the undersigned authority personally appeared Robert Lee, who on oath says that he is Classified Manager of The Ledger, a daily newspaper published in Polk County, Florida, that the attached copy of advertisement, being a
Notice of Intent
in the matter of
PSP-F1-224
•••••••••••••••••••••••••••••••••••••••
in the
in the
Court, was published in said newspaper in the Issues of
Affiant further says that said The Ledger is a newspaper published at Lakeland, in said Polk County, Florida, and that the said newspaper has heretoiore been continuously published in said Polk County, Florida, daily, and has been entered as second class matter at the post office in Lakeland, 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.
Signed Classified Advertising Manager
by Robert E. Lee who is personally known to me
Sworn to and subscribed before me this 24th
day of A.D. 19 95
(Seal) Bulance Tright

BARBARA THICPEN

My Commission

## DEPARTMENT OF ENVIRONMENTAL PROTECTION NOTICE OF WIENT TO ISSUE PERMIT PSO-FL-224

DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF INITIAN

PSO-11-224

The Department of Environmental Protection
(Department) gives indice of its hinself to issue
permit to Cargill Ferringer (inc.) 3200 (Highway 60
West, Bartow, Floringer (inc.) 32300, Highway 60
West, Bartow, Flo

Department of Environmental Protection Department of Regulation 111 S. Magnolio Drive, Surfe 4 Tallohassee, Florida 32301

Department of Environmental Profection Southwest District 8407 Lourel Foir Circle Tampo, Florida 33619

Any person may send written comments on the proposed action to hit. At Linera at the Department's Tallahousse address. All comments notice will be considered in the Department's final determination.

Futher a public hearing can be requested by any person(s). Such requests must be submitted within 20 days at this notice. F014-6-2d: 1995

<ul> <li>Complete items 1 and/or 2 for additional services.</li> <li>Complete items 3, and 4e &amp; b.</li> <li>Print your name and address on the reverse of this form so the return this card to you.</li> <li>Attach this form to the front of the mallolece, or on the back idoes not permit.</li> </ul>	**************************************
<ul> <li>Write "Return Receipt Requested" on the mailpiece below the ert</li> <li>The Return Receipt will show to whom the article was delivered a delivered.</li> </ul>	
3. Article Addressed to: DEP Ari Regulation 8000 Blain Stone Rd Tallahassee 76 32399-2400	4a. Article Number    OI3   U2 U8C    4b. Service Type   Insured     Registered   Insured     COD   Express Meil   Return Receipt for Mor_handise  7. Date of Delivery   15 1885
5. Signature (Addsessee) 6. Signature (Agent)	8. Addressee's Address (Only if requests and fee is paid)



July 10, 1995

## RECEIVED

JUL 1 1 1995

Bureau of Air Regulation

Mr. Al Linero, P.E. Bureau of Air Regulation Florida Department of Environmental Protection 2600 Blair Stone Road Tallahassee, FL 32399-2400

Re: Cargill Fertilizer, Inc.

Bartow Nos. 4 and 5 Phosphoric Acid Plants

AC53-262532; PSD-FL-224

Dear Mr. Linero:

On behalf of Cargill Fertilizer, Inc., the following comments are being submitted in regards to the Department's Technical Evaluation and Preliminary Determination (TE&PD) for the above referenced permit. Please consider these comments in issuing the final permit for the phosphoric acid plant at Bartow.

#### Specific Condition 4

The modified phosphoric acid (PA) plant will be configured differently than the existing plant. In the existing PA plants (4 & 5), fluoride emissions from each plant (reactor, filter and tanks) are controlled by a separate scrubber. In the modified plant, fluoride emissions from one of the two filters serving the No. 5 PA plant will be controlled by the No. 4 PA plant scrubber, while emissions for the No. 5 PA plant reactor and second filter will be controlled by the No. 5 PA plant scrubber. As a result, the distribution of fluoride emissions between the scrubbers may change. Due to the uncertainty in the distribution of fluoride emissions for the modified plant, it is requested that a single limit for the modified plant be set, as opposed to individual limits for each scrubber.

The setting of a single overall limit for the modified PA plant is supported by the federal new source performance standards (NSPS) for phosphoric acid plants. The NSPS regulate fluoride emissions from the entire PA plant, which is defined as "any combination of reactors, filters, evaporators and hotwells". Florida Administrative Code (F.A.C.) Rule 62-296.403 regulates phosphoric acid plants in the same manner, setting an overall limit for "wet process phosphoric acid production and auxiliary equipment". BACT is imposed on "emissions units", which are defined in F.A.C. Rule 62-212 as "Any part or activity of a facility...." An entire PA plant can be regarded as a part or activity of a phosphate manufacturing facility.

14393Y/RTC2/I



It is understood that by setting an overall limit for the Bartow PA plant, that separate BACT determinations have been made for new and existing PA plants. As stated in the BACT determination section of the TE&PD, the Department believes that 0.012 lb F/ton P<sub>2</sub>O<sub>5</sub> is the appropriate BACT limit for a new wet process PA plant, while the appropriate limit for an existing plant is 0.016 lb F/ton P<sub>2</sub>O<sub>5</sub>. The overall limit of 2.29 lb/hr reflects the combination of both existing and new equipment which will be used in the Bartow PA plant.

It is also acknowledged that for compliance testing purposes, all three stacks within the modified PA plant will be tested simultaneously (this is already required by S.C. 5 of the draft permit). Results from each individual stack will be reported, as well as the total fluoride emissions for comparison to the plant limit.

In conclusion, and as agreed to in our July 6 meeting in Tallahassee, it is requested that Specific Condition 4 of the draft permit be reworded as follows:

4. Pursuant to Rule 62-212.410, F.A.C., fluoride emissions from the combined Nos. 4 and 5 Phosphoric Acid Plants shall not exceed the following: 2.29 lbs/hr and 10.03 TPY.

#### Specific Condition 6

This condition as worded requires that the Department be notified in <u>writing</u> of a compliance test. However, Rule 62-297.340(1)(i) does not require the notification to be in writing. In practice, the notification is often times verbal. Therefore, it is requested that the phrase "in writing" be deleted from this condition.

#### Specific Condition 9

Several of the PA tanks and clarifiers within the Nos. 4 and 5 PA plants will be evacuated to scrubbers. These tanks and clarifiers are covered tanks containing product acid. During control equipment maintenance, it is not feasible to remove all the acid from these tanks. During such periods, the evacuation system is not functioning (i.e., air flow from the tanks is decreased considerably); however, some small amount of fugitive fluoride emissions could escape from vents on the tanks. Depending on the nature of the maintenance, this condition could last for more than the two hours allowed by the excess emissions rule. Periods of maintenance are expected to be very infrequent; some periods are scheduled maintenance while others are unscheduled.

Therefore, it is requested that the permit authorize uncontrolled fugitive emissions from the tanks during control system maintenance. Cargill will agree to notify the Department in advance of all scheduled control system maintenance, and within two hours of any unscheduled control system maintenance, where the potential for excess emissions exists.



Thank you for consideration of these comments. Please call if you have any questions concerning this request.

Sincerely,

David a. Buff

David A. Buff, P.E. Principal Engineer

DAB/arz

cc: David Jellerson

File (2)

cc: B. Thomas, SWD & Novak, Poek Co G. Houper, EPA G. Bunyak, NPS C. Holladay, BAR

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Mr. Al Linero, P.E.
Bureau of Air Regulation
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

File

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Al Linero July 10, 1995 Page 3



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Sincerely.

Sand a buff

David A. Buff, P.E. Principal Engineer

DAB/arz

cc: David Jellerson File (2)



IN REPLY REFER TO

### United States Department of the Interior

FISH AND WILDLIFE SERVICE 1875 Century Boulevard

> Arlanta, Georgia 30345 JUL 0 3 1995

> > RECEIVED

JUL 5 1995

Mr. Clair H. Fancy Chief, Bureau of Air Regulation Department of Environmental Regulation Twin Towers Office Building 2600 Blair Stone Road, MS 48 Tallahassee, Florida 32399

Bureau of Air Regulation

Dear Mr. Fancy:

We have reviewed the Prevention of Significant Deterioration Application for the proposed increase in production at the Cargill Fertilizer, Inc., Nos. 4, 5, and 6 sulfuric acid (H2SO4) production plants in Bartow, Florida. Enclosed are the technical review comments from our Air Quality Branch.

Thank you for giving us the opportunity to comment on this permit application. We appreciate your cooperation in notifying us of proposed projects with the potential to impact the air quality and related resources of our Class I air quality areas. If you have questions, please contact Ms. Ellen Porter of our Air Quality Branch in Denver at telephone number 302/969-2617.

hour K. Claus Noreen E. Clough Regional Director

Enclosure



#### FACSIMILE COVER SHEET

Marrile

DATE: <u>7-5-95</u>	RECEIVED
TO: al Linero	JUL & 1995
ORGANIZATION: JDEP	Street of
FAX NUMBER: 904-922-6979	TELEPHONE NUMBER:
FROM: David Buff	
OFFICE: Gainesville  Washington D.C.	☐ Tampa ☐ Boca Raton ☐ Jacksonville
TOTAL NUMBER OF PAGES:	(including cover page)
MESSAGE/INSTRUCTIONS:	nents for Million S
PROJECT NUMBER: 14393	FAX OPERATOR:
( ) This is the ONLY form of delivery of the tr	ansmitted document.
( ) The original of the transmitted document wi	ll be sent by:
	ery ( ) Other:
Return original to	
cc: Project File yes	no af1/Fax (03/27/95)

KBN Engineering and Applied Sciences, Inc. 6241 NW 23rd Street Gainesville, Florida, 32653-1500 (904) 336-5600/FAX (904) 336-6603

5405 West Cypress Street, Suite 215 Tampa, FL 33607 (813) 287-1717/FAX (813) 287-1716

1801 Clint Moore Road, Suite 105 Boca Raton, FL 33487 (407) 994-9910/FAX (407) 994-9393 1616 \*P\* Street N.W., Suite 450 Washington, DC 20036 (202) 462-1100/FAX (202) 462-2270

7785 Baymeadows Way, Suite 105 Jacksonville, FL 32256 (904) 739-5600/FAX (904) 739-7777

#### MEMORANDUM

June 30, 1995

To: Mr. A. A. Linero, FDEP

From: David A. Buff, KBN 296

Subject: Cargill Bartow Nos. 4 and 5 Phosphoric Acid TE&PD

#### Agenda and Comments for July 6, 3 pm Meeting

- 1. Discussion of fluoride test data
  - FDEP approved compliance test data should not be considered as outliers. -
  - Various methods of determining outliers. -
  - Third filter emission estimates. -
- 2. Specifying emission rates for individual scrubbers
  - Not consistent with past practice or with NSPS.
  - Acids from both plants are commingled in the process and Fl emissions from both reactor systems go to No. 4 PA scrubber. Process is one plant with two reactors.
- 3. Allowance for scrubber/evacuation system maintenance (excess emissions rule).
- 4. Other comments on TE&PD and draft permit.

Original

## CARGILL, INCORPORATED LAW DEPARTMENT

James D. Moe Corporate Vice President General Counsel & Secretary

Ronald L. Laumbach Vice President & North America General Counsel

Linda L. Cutler
Vice President
Assistant General Counsel
& Assistant Secretary

John S. Erickson Vice President & Deputy General Counset

Mailing Address:
P.O. Box 5624
Minneapolis, MN 55440-5624

Location/Shipping Address: 15407 McGinty Road West Wayzata, MN 55391-2399

FAX (612) 742-6349 or (612) 742-7503

June 27, 1995

Gretchen Q. Banks Karen L. Baril Shirley R. Boyd Fredenck L. Budde James D. Dingel Phillip M. Fantle Sheila Brennan Hagen H. Jed Hepworth

Ronald E. Hunter Joseph R. Liesch Grace Murgia Musilek LaRaye M. Osborne Bonnie E. Raquet Lawrence A. Willey Laura Hicks Witte

Steven M. Adams
David L. Biek
Carolyn J. Brue
Therese A. Coons
Mark J. Isaacson
Robin P. Kinning
Colleen Murphy Knapp
Jay A. Kroese

Richard L. Mack Thomas W. MacLeod Brian R. Pioske Maria-Inés Raij David A. Robertson Randall J. Romsdahl Timothy A. Thomas Peter A. Vorbrich

Writer's Direct Dial Number (612) 742-4653

## CERTIFIED MAIL RETURN RECEIPT REQUESTED

Ms. Kathy Carter Florida Department of Environmental Protection Office of General Counsel 2600 Blair Stone Road Tallahassee, FL 32399-2400

RF:

Permit No. AC53-262532; PSD-FL-224

Request for Extension of Time for Filing for Administrative Hearing

Dear Ms. Carter:

As you discussed with David Jellerson today, please accept this letter as a request for an extension of time until July 31, 1995 in which to file a petition for an administrative hearing regarding the above-referenced permit. This permit, which was received by Cargill Fertilizer, Inc. on June 16, 1995, contains certain conditions which are based on a BACT analysis which may contain errors or is otherwise unacceptable.

The time extension requested is intended to provide adequate time for Cargill and the Department to meet and resolve technical issues relating to the BACT analysis without the need for an administrative hearing.

Should you have any questions or require additional information, please feel free to contact me at 612/742-4653 or David Jellerson at 941/534-9613.

Sincerely yours,

Thomas W. MacLeod

TWM:pa cil/40994

## RECEIVED

JUN 87 1995

Bureau of Air Regulation

Ms. Kathy Carter June 27, 1995 Page 2

cc: Al Linero/FDEP

John Reynolds/FDEP

David Buff/KBN Engineering

David Jellerson/Fertilizer/Tampa, FL

6/30/95 SEPA Fork Services SW District

is one on public notice
This response from Tooted
Cargalis information on Duchat
that they have requised
extension to file a
Respold active tile