



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Virginia B. Wetherell, Secretary

April 23, 1993

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. David B. Jellerson, P.E.
Environmental Supervisor
Cargill Fertilizer, Inc.
8813 Highway 41 South
Riverview, Florida 33569

Dear Mr. Jellerson:

This is in response to Cargill's latest request for modification of the No. 5 DAP Permit No. AC 29-196763 (PSD-FL-178) received on March 9, 1993. As stated in our letter of November 6, 1992, the installation of a new granulator and scrubber is beyond the scope of work contemplated in the November 26, 1992, PSD permit. Therefore, the March 9 application represents a separate non-PSD project (not a part of PSD-FL-178) and should be submitted to the Southwest District office for processing. Please advise us if you would like the \$250 processing fee you paid with this request returned to you or applied to your application to the district office.

If you have any questions, please call Preston Lewis or John Reynolds at (904)488-1344.

Sincerely,

JCB
John C. Brown, Jr., P.E.
Administrator
Permitting and Standards
Section

JCB/PL-JR/pa

cc: W. Thomas, SWD
J. Campbell, EPCHC

P 360 528 710



Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Send to: David Jellison
 Street and No: Cargill Fert
 P.O. State and ZIP Code: Riverview, FL

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	<u>4-23-93</u>

PS Form 3800, June 1991

what is
STATUS OF THIS MAIL? 4/21

To: Preston Lewis
 Date: 4/21 Time: 11:07 GP

WHILE YOU WERE OUT

M. Ben KALRA
 of HC EPC
 Phone: (50) 543 5530
 Area Code: 50 Number: 543 5530 Extension:

<input checked="" type="checkbox"/> TELEPHONED	<input checked="" type="checkbox"/> PLEASE CALL
<input type="checkbox"/> CALLED TO SEE YOU	<input type="checkbox"/> WILL CALL AGAIN
<input type="checkbox"/> WANTS TO SEE YOU	<input type="checkbox"/> URGENT
<input type="checkbox"/> RETURNED YOUR CALL	

Message: CARGILL Fertilizer
DAP Plant #5
AC 29-196763 (Modifict)

MS
Operator

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
David B. Jellison PE
Cargill Fertilizer
8813 Hwy 41 S
Riverview, FL 33569

4a. Article Number: P360 528 710

4b. Service Type

<input type="checkbox"/> Registered	<input type="checkbox"/> Insured
<input checked="" type="checkbox"/> Certified	<input type="checkbox"/> COD
<input type="checkbox"/> Express Mail	<input type="checkbox"/> Return Receipt for Merchandise

7. Date of Delivery

5. Signature (Addressee): [Signature]

6. Signature (Agent): [Signature]

8. Addressee's Address (Only if requested and fee is paid)

RIVERVIEW
 APR 26 1993
 FL 33569

PS Form 3811, December 1991 U.S. GPO: 1992-325-402 DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.



**CARGILL
FERTILIZER, INC.**

8813 Highway 41 South - Riverview, Florida 33569 - Telephone 813-677-9111 - TWX 810-876-0648 - Telex 52666 - FAX 813-671-5146

RECEIVED
DER-MAIL ROOM
1993 MAR -9 PM 2:42

March 2, 1993

CERTIFIED MAIL # P 728 645 435

Mr. John C. Brown, Jr.
Permitting and Standards Section
Florida Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Subject: Construction Permit AC29-196763 (PSD-FL-178)
No. 5 DAP Plant Expansion

Dear Mr. Brown,

As per your November 6, 1992 letter, please accept this request for a minor modification application for the upgrade and installation of additional equipment at the subject source and for the extension of the permit expiration date to June 1996. This application is submitted along with a check in the amount of \$250 (check #137833). A check for \$380 (check #137837) is also included with the copy to the Hillsborough County Environmental Protection Commission.

Due to unexpected difficulties in product granulation, we have been unable to operate at rates anticipated in the original permit application. In order to correct the production problems, we propose to increase the size of the granulator. We will also replace the Reactor/Granulator venturi scrubber with a larger unit to accommodate the new granulator without changing the emission estimates of the original permit application. A complete project description is attached.

Should you have any questions or require additional information, please feel free to call me at 813/671-6207.

Sincerely,

David B. Jellerson, P.E.
Environmental Supervisor

cc: B. Thomas - FDER, Tampa
G. Kissel - EPCHC (Cert. Mail P 253 876 808)
Weyers, Wilcox, Morris, Olson, P-30-33-1

G. Reynolds
G. Naylor, EPA
G. Bunnell, NPS

1029



recycled paper

PROJECT DESCRIPTION

In accordance with Permits AC29-196763 and PSD-FL-178, the DAP production capacity is being increased to 73.5 TPH P_2O_5 input. This production increase was to be realized primarily by upgrading screens, mills, elevators, and conveyors to increase recycle capacity. Along with the production modifications, pollution control upgrades included an improved ammonia recovery system, installation of more efficient scrubber spray nozzles, increased scrubber liquid flow rates and improved energy efficiency. The increased production was to be realized while limiting stack emissions as follows:

POLLUTANT	STANDARD	MAXIMUM ALLOWABLE EMISSIONS	
	lb/T P_2O_5	lb/hr	T/yr
PM/ PM_{10}	0.19	12.8	56.0
SO_2	0.58	32.4	83.7
Fluoride	0.06	3.3	14.5

However, due to product quality issues, the production rate continues to be limited to well below the permitted rate of 73.5 TPH P_2O_5 input. This permit modification, then, is for the replacement of the granulator to improve product quality at the permitted rates. This product quality improvement will be accomplished by increasing the residence time in the granulator. The modified plant will operate with the same evacuation flows. However, since the larger granulator has the potential to cause greater fluctuations to the evacuation system, the existing Reactor/Granulator venturi scrubber will be replaced with a larger unit less susceptible to fluctuations. The new scrubber will be a copy of the Weatherly Dryer Venturi scrubber currently in operation at the plant. The new scrubber will be fabricated locally. Purchase and installation of the new scrubber (including all appurtenances) is estimated to cost \$290,000. All other project activities indicated in the original permit application remain the same. Due to the time required for order, fabrication, installation, and check out of this equipment, we request that the modified permit expiration date be set for June of 1996.



CARGILL
FERTILIZER, INC.

54-1278 The Citizens and Southern National Bank
611 Atlanta, DeKalb County, Georgia

577-137833

VENDOR NUMBER

4115

CHECK NUMBER

137833

CHECK DATE

02/25/93

THE SUM OF *****TWO HUNDRED FIFTY DOLLARS AND 00 CENTS

PAY TO THE ORDER OF

FLORIDA DEPT. OF ENVIRONMENTAL REGULATION
2600 BLAIR STONE ROAD
TALLAHASSEE FL 323992405

\$250.00

Michael E. Townsend
AUTHORIZED SIGNATURE

RECEIVED

⑈577137833⑈ ⑆061112788⑆ 011 07 093⑈

Tallahassee, FL 32399-2400

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