



**CARGILL
FERTILIZER, INC.**

RECEIVED

OCT 11 2001

BUREAU OF AIR REGULATION

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

CERTIFIED MAIL: 7000 1670 0002 1996 1269

October 8, 2001

Mr. Al Linero, P.E.
Florida Department of Environmental Protection
Bureau of Air Regulation
2600 Blair Stone Road
Mail Station #5505
Tallahassee, FL 32399-2400

Subject: Proof of Publication - Notice of Intent to Issue an Air Construction Permit
No.: 0570008-036-AC (PSD-FL-315) to Cargill Fertilizer, Inc. located at
8813 U.S. Highway 41 South, Riverview, Hillsborough County, FL 33569.

Gentlemen:

You will find attached Proof of Publication of the Notice of Intent to Issue subject permit for modification of several existing emission units as required by Florida Department of Environmental Protection.

If there are any questions, please contact me at: (813) 671-6369 or
via e-mail: kathy_edgemon@cargill.com

Sincerely,

Kathy Edgemon, P.E.
Environmental Superintendent

/dh
Enclosure

x.c. Alice Harman - HCEPC
Jerry Kissel - FDEP

File P-05-01

cc: D. Arif ✓
C. Halladay ✓
D. Worley, EPA ✓
G. Banyard, NPS ✓



recycled paper

THE TAMPA TRIBUNE
Published Daily
Tampa, Hillsborough County, Florida

State of Florida }
 County of Hillsborough } ss.

Before the undersigned authority personally appeared J. Rosenthal, who on oath says that she is Classified Billing 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 _____

PUBLIC NOTICE OF INTENT

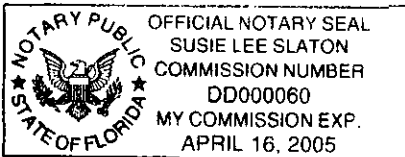
was published in said newspaper in the issues of OCTOBER 3, 2001

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 she has neither paid nor promised any person, this advertisement for publication in the said newspaper.

J. Rosenthal

 Sworn to and subscribed by me, this 3 day
 of OCTOBER, A.D. 2001

Personally Known or Produced Identification _____
 Type of Identification Produced _____



Susie Lee Slaton

PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT - STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DEP File No. 0570008-036-AC (PSD-FL-315)
 Tampa Plant
 Cargill Fertilizer, Incorporated
 Hillsborough County
 The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit to Cargill Fertilizer, Inc. to modify several existing emission units at its phosphate fertilizer manufacturing facility located in Riverview, Florida. A Best Available Control Technology (BACT) determination was required for sulfur dioxide (SO₂), sulfuric acid mist (SAM), nitrogen oxides (NO_x), fluorides (F), particulate matter (PM) and particulate matter less than or equal to 10 micrometers (PM₁₀) pursuant to Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD). The applicant's name and address (also facility address) are Cargill Fertilizer, Inc., 8813 U.S. Highway 41 South, Riverview, Florida 33565.

The proposed changes will include increased molten sulfur through the molten sulfur handling system, additional digestion capacity associated with the Dorrco Reactor at the Phosphoric Acid plant, modification of the Granular Triple Super Phosphate plant, modification of the Animal Feed Ingredient (AFI) plant, construction of a second AFI granulation train, and modification of the No. 5 Diammonium Phosphate plant. The applicant is also requesting removal of the existing allowable production rate cap for the Nos. 8 and 9 Sulfuric Acid plants, to allow these plants to simultaneously operate up to their maximum capacities; with a reduction in allowable emissions.

The Department proposes the following emission limits and technologies as BACT for this project:

Molten Sulfur Handling System: 10 percent opacity, 15% during ship unloading. Wet scrubbers on storage tanks and truck loading.

Sulfuric Acid Plants: 3.5 pounds of SO₂ and 0.10 pounds of sulfuric acid mist per ton of product. Double absorption technology and efficient mist eliminators.

Phosphoric acid plant: 0.012 pounds of fluoride per ton of P₂O₅ input. Packed scrubber, Vesco and Dorrco scrubbers.

Enhanced Phosphate Product Plant (GTSP or AP modes): 0.13 (or 0.08) pounds of particulate matter (PM/PM₁₀) per ton of product. 0.058 (or 0.041) pounds of fluoride per ton of P₂O₅ input. Natural gas or low sulfur backup fuel oil.

No. 5 Diammonium Phosphate Plant: 0.17 lb PM/PM₁₀/ton P₂O₅ input. 0.04 lb/ton P₂O₅ input. Venturi and tailgas scrubbers. Natural gas and low sulfur fuel backup oil.

Animal Feed Ingredient (AFI) Plant No. 1 and 2 Granulation System: Good combustion practices for SO₂ and NO_x. 8 lb PM/PM₁₀/hr. Venturi scrubber.

AFI Plant Defluorination System: 0.5 lb F/batch-hr. Venturi scrubber and packed cross-flow scrubber.

AFI Plant No. 1 and 2 Milling, Classification, and Cooling; OE Silo; Limestone Silo; Loadout System: 0.012 grains PM/PM₁₀/dscf. Baghouse.

An air quality impact analysis was conducted. Emissions from the facility will not significantly contribute to or cause a violation of any state or federal ambient air quality standards. The maximum predicted SO₂, PM₁₀ and NO_x PSD Class II increments in the vicinity of the project consumed by all sources in the area, including this project, will be as follows:

Averaging Time	Allowable Increment (ug/m ³)	Increment Consumed (ug/m ³)	Percent Consumed
SO ₂			
3-hour	512	297	58
24-hour	91	50	55
Annual	20	0	0
PM ₁₀			
24-hour	30	22	55
Annual	17	9	53
NO _x			
Annual	25	4	16

PSD Class I significant impact levels are exceeded for SO₂ in the PSD Class Chassahowitzka National Wilderness Area located 86 km to the northwest, therefore a Class I PSD increment analysis for SO₂ was conducted. Based on the required analyses, the Department has reasonable assurance that the proposed project will not cause or significantly contribute to a violation of any, or PSD increment in the Class I area.

The Department will issue the Final Air Construction Permit in accordance with the conditions of the Draft Air Construction Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions. The permitting authority has determined that an Air Construction Permit is required.

The Department will accept written comments and requests for a public meeting concerning the proposed permit issuance action for a period of 30 (thirty) days from the date of publication of "PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT". Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below. Mediation is not available in this proceeding.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the 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 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of how and when petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

A complete project file 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:

Dept. of Environmental Protection
Bureau of Air Regulation
Suite 4, 111 S. Magnolia Drive
Tallahassee, Florida, 32301
Telephone: 850/488-0114
Fax: 850/922-6979
Dept. of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619-8218
Telephone: 813/744-6100
Fax: 813/744-6084
Hillsborough County
Environmental Protection Commission
1900 Ninth Avenue
Tampa, Florida 33605
Telephone: 813/272-5960
Fax: 813/272-5157

The complete project file includes the application, technical evaluations, Draft Permit, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Administrator, New Resource Review Section at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-0114, for additional information.
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