

Adams, Patty

From: Harvey, Mary
Sent: Wednesday, December 13, 2006 2:39 PM
To: Adams, Patty; Arif, Syed
Subject: FW: Read: Facility #0570008-053-AC-DRAFT

Attachments: ATT453446.txt



ATT453446.txt
(233 B)

-----Original Message-----

From: Stewart, Jeff M - Riverview [mailto:Jeff.Stewart@mosaicco.com]
Sent: Wednesday, December 13, 2006 12:26 PM
Subject: Read: Facility #0570008-053-AC-DRAFT

Your message

To: Jellerson, David - Pierce; Stewart, Jeff M - Riverview;
worley.gregg@epa.gov; Dee_Morse@nps.gov; Nasca, Mara; lee@epchc.org; smccann@golder.com
Cc: Arif, Syed; Adams, Patty; Gibson, Victoria
Subject: Facility #0570008-053-AC-DRAFT
Sent: Wed, 13 Dec 2006 12:09:58 -0500

was read on Wed, 13 Dec 2006 12:25:38 -0500

Adams, Patty

From: Harvey, Mary
Sent: Wednesday, December 13, 2006 2:38 PM
To: Adams, Patty; Arif, Syed
Subject: FW: Facility #0570008-053-AC-DRAFT

From: McCann, Scott [mailto:Scott_McCann@GOLDER.com]
Sent: Wednesday, December 13, 2006 12:47 PM
Subject: Read: Facility #0570008-053-AC-DRAFT

Your message

To: Scott_McCann@GOLDER.com
Subject:

was read on 12/13/2006 12:47 PM.

Adams, Patty

From: Harvey, Mary
Sent: Wednesday, December 13, 2006 2:38 PM
To: Adams, Patty; Arif, Syed
Subject: FW: Facility #0570008-053-AC-DRAFT

From: Stewart, Jeff M - Riverview [mailto:Jeff.Stewart@mosaicco.com]
Sent: Wednesday, December 13, 2006 1:12 PM
To: Harvey, Mary
Subject: RE: Facility #0570008-053-AC-DRAFT

I received this permit.
Thanks,
Jeff Stewart
Environmental Superintendent
Mosaic Riverview

From: Harvey, Mary [mailto:Mary.Harvey@dep.state.fl.us]
Sent: Wednesday, December 13, 2006 12:10 PM
To: Jellerson, David - Pierce; Stewart, Jeff M - Riverview; worley.gregg@epa.gov; Dee_Morse@nps.gov; Nasca, Mara; lee@epchc.org; smccann@golder.com
Cc: Arif, Syed; Adams, Patty; Gibson, Victoria
Subject: Facility #0570008-053-AC-DRAFT

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site: <http://www.adobe.com/products/acrobat/readstep.html>.

The Bureau of Air Regulation is issuing electronic documents for permits, notices and other correspondence in lieu of hard copies through the United States Postal System, to provide greater service to the applicant and the engineering community. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record.

Thank you,

DEP, Bureau of Air Regulation

12/13/2006

Adams, Patty

From: Harvey, Mary
Sent: Wednesday, December 13, 2006 2:38 PM
To: Arif, Syed; Adams, Patty
Subject: FW: Facility #0570008-053-AC-DRAFT

From: Nasca, Mara
Sent: Wednesday, December 13, 2006 1:29 PM
To: Harvey, Mary
Subject: Read: Facility #0570008-053-AC-DRAFT

Your message

To: 'David.Jellerson@mosaicco.com'; 'jeff.stewart@mosaicco.com'; 'worley.gregg@epa.gov'; 'Dee_Morse@nps.gov'; Nasca, Mara; 'lee@epchc.org'; 'smccann@golder.com'
Cc: Arif, Syed; Adams, Patty; Gibson, Victoria
Subject: Facility #0570008-053-AC-DRAFT
Sent: 12/13/2006 12:10 PM

was read on 12/13/2006 1:29 PM.

Adams, Patty

From: Harvey, Mary
Sent: Wednesday, December 13, 2006 12:10 PM
To: 'David.Jellerson@mosaicco.com'; 'jeff.stewart@mosaicco.com'; 'worley.gregg@epa.gov'; 'Dee_Morse@nps.gov'; Nasca, Mara; 'lee@epchc.org'; 'smccann@golder.com'
Cc: Arif, Syed; Adams, Patty; Gibson, Victoria
Subject: Facility #0570008-053-AC-DRAFT
Attachments: 0570008.053.AC.D_pdf.zip

Dear Sir/Madam:

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Thank you,

DEP, Bureau of Air Regulation

Florida Department of
Environmental Protection

Memorandum

TO: Trina L. Vielhauer
THRU: Jeff Koerner *AK*
FROM: Syed Arif *SA 12/12*
DATE: December 12, 2006
SUBJECT: Mosaic Fertilizer, LLC, Riverview Facility
0570008-053-AC (PSD-FL-315G)

Attached is the Public Notice package for a modification at Mosaic's phosphate fertilizer manufacturing facility located in Riverview, Hillsborough County.

In November 2001, we approved an expansion of the Mosaic Riverside Facility including the manufacture of sulfuric acid, phosphoric acid, diammonium phosphate (DAP), granulated triple super phosphate, and animal feed ingredients (AFI). The expansion was reviewed under the PSD rules and BACT determinations were made for each of the emissions units constructed or modified.

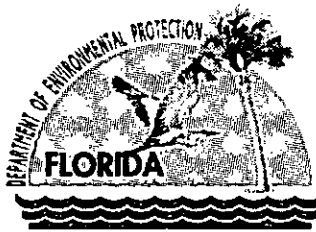
Additional modifications were done to the AFI plants in 2002 and 2004 in order to achieve the permitted production rates. The plants were unable to reach permitted capacity after those modifications. This modification of replacing defluorination scrubber fan with a 200 horsepower motor would allow the plants to achieve permitted production rates.

Overall the controls will be as stringent as the original controls. No increase in allowable production rate or increase in emissions is requested.

I recommend your approval and signature.

Attachments

/sa



Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Colleen M. Castille
Secretary

P.E. Certification Statement

Permittee:
Mosaic Fertilizer, LLC
Riverside Facility


DEP File No. 0570008-053-AC
Permit No. PSD-FL-315G

Project type: In November 2001, the Department approved an expansion of the Mosaic Riverview facility including the manufacture of sulfuric acid, phosphoric acid, granulated triple super phosphate, and animal feed ingredients (AFI). The expansion was reviewed under the PSD rules and BACT determinations were made for each of the emission units constructed or modified.

Mosaic has requested revisions to the permit to allow upgrade of defluorination scrubber for the Animal Feed Ingredient plants by replacing the 100 horsepower fan motor with a 200 hp fan motor.

An air quality impact analysis was not required. No increase in emissions and no increase in ambient impacts due to the proposed permit modification are expected. Emissions from the facility will not significantly contribute to or cause a violation of any state or federal ambient air quality standards. The applicant's name and address (also facility address) are Mosaic fertilizer, LLC, 8813 U.S. Highway 41 South, Riverview, Florida

***I HEREBY CERTIFY** that the engineering features described in the above referenced application and subject to the proposed permit conditions provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical, structural, hydrological, meteorological and geological features).*


Syed Arif, P.E. 12/12/06
Date

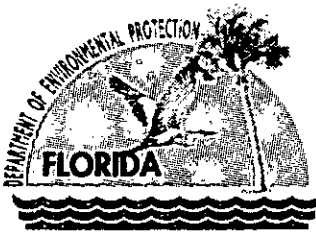
Registration Number: 51861

Department of Environmental Protection
Bureau of Air Regulation
111 South Magnolia Drive, Suite 4
Tallahassee, Florida 32301
Phone (850) 488-0114
Fax (850) 922-6979

CF

"More Protection, Less Process"

Printed on recycled paper.



Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Colleen M. Castille
Secretary

December 12, 2006

ELECTRONIC MAIL - RECEIVED RECEIPT REQUESTED

Mr. David Jellerson
Environmental Manager
Mosaic Fertilizer, LLC
8813 U.S. Highway 41 South
Riverview, Florida 33569

Re: DEP File No. 0570008-053-AC; PSD-FL-315G
Riverview Facility, Hillsborough County
Animal Feed Ingredient Plants No. 1 & 2

Dear Mr. Jellerson:

Enclosed is one copy of the Draft Air Construction Permit Modification for the Riverview Facility, located at 8813 U.S. Highway 41 South, Riverview, Hillsborough County. The Technical Evaluation and Preliminary Determination, the Department's Intent to Issue Air Construction Permit Modification and the "PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT MODIFICATION" are also included.

The "PUBLIC NOTICE" must be published one time only, as soon as possible, in the legal advertisement section of a newspaper of general circulation in the area affected, pursuant to the requirements Chapter 50, Florida Statutes. Proof of publication, i.e., newspaper affidavit, must be provided to the Department's Bureau of Air Regulation office within seven days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit.

Please submit any written comments you wish to have considered concerning the Department's proposed action to Jeff Koerner, P.E., Permitting Administrator, North Section at the above letterhead address. If you have any other questions, please contact Mr. Syed Arif at 850/921-9528.

Sincerely,

FVE

Trina L. Vielhauer, Chief,
Bureau of Air Regulation

TLV/sa

Enclosures

"More Protection, Less Process"

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In the Matter of an
Application for Permit by:

Mr. David Jellerson, Environmental Manager
Environment, Health & Safety
Mosaic Fertilizer, LLC
8813 U.S. Highway 41 South
Riverview, Florida 33569

DEP File No. 0570008-053-AC
Draft Permit No. PSD-FL-315G
Animal Feed Ingredient Plants Nos. 1 and 2
Riverview Facility
Hillsborough County

INTENT TO ISSUE AIR CONSTRUCTION PERMIT MODIFICATION

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit modification (copy of DRAFT Permit attached) for the proposed project, detailed in the application specified above and the attached Technical Evaluation and Preliminary Determination, for the reasons stated below.

The applicant, Mosaic Fertilizer, LLC, submitted a complete application on October 2, 2006 to the Department for a modification of air construction permit PSD-FL-315 issued on November 21, 2001 for the Animal Feed Ingredient Plants at its phosphate fertilizer manufacturing facility. Mosaic has requested revisions to the permit to allow upgrade of defluorination scrubber for the Animal Feed Ingredient plants by replacing the 100 horsepower fan motor with a 200 hp fan motor. The plant is located at 8813 U.S. Highway 41 South, Riverview, Hillsborough County.

The Department has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-212. The above actions are not exempt from permitting procedures. The Department has determined an air construction permit modification is required for the proposed work.

The Department intends to issue this Air Construction Permit Modification based on the belief that reasonable assurances have been provided to indicate that operation of these emission units will not adversely impact air quality, and the emission units will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C.

Pursuant to Section 403.815, F.S., and Rule 62-110.106(7)(a)1., F.A.C., you (the applicant) are required to publish at your own expense the enclosed "PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT MODIFICATION." The notice shall be published one time only in the legal advertisement section of a newspaper of general circulation in the area affected. Rule 62-110.106(7)(b), F.A.C., requires that the applicant cause the notice to be published as soon as possible after notification by the Department of its intended action. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed below. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-0114; Fax 850/ 922-6979). You must provide proof of publication within seven days of publication, pursuant to Rule 62-110.106(5), F.A.C. No permitting action for which published notice is required shall be granted until proof of publication of notice is made by furnishing a uniform affidavit in substantially the form prescribed in section 50.051, F.S. to the office of the Department issuing the permit. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rules 62-110.106(9) & (11), F.A.C.

The Department will issue the Final Air Construction Permit Modification in accordance with the conditions of the attached Draft Air Construction Permit Modification unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT MODIFICATION. 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 Draft Air Construction Permit Modification, the permitting authority shall issue a Revised Draft Air Construction Permit Modification 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.

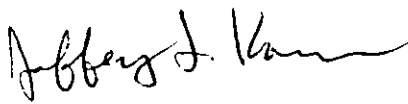
A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office 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. Mediation is not available in this proceeding.

Executed in Tallahassee, Florida.


For Trina L. Vielhauer, Chief
Bureau of Air Regulation

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this INTENT TO ISSUE AIR CONSTRUCTION PERMIT MODIFICATION (including the PUBLIC NOTICE, and the DRAFT permit modification) and all copies were sent electronically (with Received Receipt) before the close of business on 12/13/06 to the person(s) listed:

David Jellerson, Mosaic Fertilizer, LLC (David.Jellerson@mosaicco.com)

Jeff Stewart, Mosaic Fertilizer, LLC (jeff.stewart@mosaicco.com)

Gregg Worley, EPA (Worley.gregg@epa.gov)

Dee Morse, NPS (dee_morse@nps.gov)

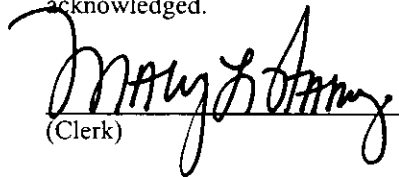
Mara Nasca, DEP-SWD (mara.nasca@dep.state.fl.us)

Diana Lee, HCEPC (lee@epchc.org)

Scott McCann, Golder Associates, Inc. (smccann@golder.com)

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.


(Clerk) 12/13/06
(Date)

PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT MODIFICATION

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DEP File No. 0570008-053-AC (PSD-FL-315G)
Riverview Facility
Mosaic Fertilizer, LLC
Hillsborough County

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit modification to Mosaic Fertilizer, LLC, a phosphate fertilizer manufacturing facility located in Riverview, Florida. The applicant's name and address (also facility address) are Mosaic Fertilizer, LLC, 8813 U.S. Highway 41 South, Riverview, Florida 33569.

In November 2001, the Department approved an expansion of the Mosaic Riverview facility including the manufacture of sulfuric acid, phosphoric acid, granulated triple super phosphate, and animal feed ingredients (AFI). The expansion was reviewed under the PSD rules and BACT determinations were made for each of the emission units constructed or modified.

Mosaic has requested revisions to the permit to allow upgrade of defluorination scrubber for the Animal Feed Ingredient plants by replacing the 100 horsepower fan motor with a 200 hp fan motor.

An air quality impact analysis was not required. No increase in emissions and no increase in ambient impacts due to the proposed permit modification are expected. Emissions from the facility will not significantly contribute to or cause a violation of any state or federal ambient air quality standards.

The Department will issue the Final Air Construction Permit Modification in accordance with the conditions of the Draft Air Construction Permit Modification 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 Modification is required.

The Department will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of "PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT MODIFICATION." 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

NOTICE TO BE PUBLISHED IN THE NEWSPAPER

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.

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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 13051 N. Telecom Parkway Tampa, Florida 33637-0926 Telephone: 813/632-7600 Fax: 813/744-6458	Hillsborough County Environmental Protection Commission 3629 Queen Palm Drive Tampa, Florida 33619-1309 Telephone: 813/627-2600 Fax: 813/627-2620
--	--	--

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, Air Permitting North Section at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-0114, for additional information.

NOTICE TO BE PUBLISHED IN THE NEWSPAPER

TECHNICAL EVALUATION
AND
PRELIMINARY DETERMINATION

MOSAIC FERTILIZER, LLC

Animal Feed Ingredient (AFI) Plants 1 and 2
Riverview Plant
Hillsborough County, Florida

DEP File Number
0570008-053-AC
PSD-FL-315G

Florida Department of Environmental Protection
Division of Air Resources Management
Bureau of Air Regulation

December 7, 2006

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

I. APPLICATION INFORMATION

A. Applicant

Mosaic Fertilizer, LLC
8813 US Highway 41 South
Riverview, Hillsborough County, Florida 33569

Authorized Representative: Mr. David Jellerson, Environmental Manager

B. Facility Location

The applicant's facility is located at 8813 U.S. Highway 41 South, Riverview, Hillsborough County, Florida. Latitude and Longitude are 27° 51' 28" North and 82° 23' 15" West respectively. UTM coordinates of the site are: Zone 17, 362.9 km E and 3082.5 km N. This location is approximately 86 km from the nearest Class I area, the Chassahowitzka National Wilderness Area (CNWA).

Facility Identification Code (SIC): Major Group No. 28, Industry Group No. 2874.

C. Modification Request

Mosaic Fertilizer, LLC submitted changes to the Animal Feed Ingredient (AFI) Plants 1 and 2 construction permit which was issued by the Department Permit No. 0570008-036-AC (PSD-FL-315) on November 21, 2001. Two earlier modification requests were approved for the AFI Plants 1 and 2. The first modification request was approved on November 12, 2002 when the Department issued Air Construction Permit No. 0570008-041-AC (PSD-FL-315B). The second modification request was approved on February 4, 2004 when the Department issued Air Construction Permit No. 0570008-043-AC (PSD-FL-315D).

In this modification request, the applicant is proposing to enhance their AFI Plants 1 and 2 to achieve the permitted production capacity of 832,200 tons per year (TPY) of AFI based on currently permitted production limits of 1,080 tons per day (TPD) for AFI Plant No. 1 and 1,200 TPD for AFI Plant No. 2. To date, the maximum AFI production rate for AFI Plant No. 1 has been 534 TPD and for AFI Plant No. 2 has been 644 TPD. The maximum annual combined AFI production rate in 2004 was 252,822 tons AFI and in 2005 was 236,238 tons AFI.

As originally submitted, the applicant requested the following enhancements to AFI Plants Nos. 1 and 2 in order to achieve their daily and annual production closer to permitted capacities:

1. Upgrade of the Defluorination Scrubber by converting the third stage of the Kimre scrubber into a recirculated fresh water scrubber and increasing the existing 100-hp fan motor with a 200-hp fan motor.
2. Upgrade of the Limestone Unloading Operation by upgrading the East Limestone Unloading Operation by replacing the 4-inch diameter limestone transfer line with a 6-inch diameter limestone transfer line and replacing the 75-hp blower with a 125-hp blower.
3. Conversion of an existing phosphoric acid storage tank into a defluorinated acid storage tank to allow for independent operation of the defluorinated acid system and the AFI Plants.

Subsequently, the applicant decided to reduce the scope of the project to include only the upgrade of the fan motor for the Defluorination Scrubber. The applicant believes that the scrubber fan modification is sufficient to achieve permitted production rates.

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

D. Permitting History

On November 21, 2001, the Department issued Air Construction Permit No. 0570008-036-AC (PSD-FL-315) for expansion of the facility. The following facility modifications were authorized by this permit:

- Increased molten sulfur throughput for the molten sulfur handling system;
- Additional digestion capacity associated with the Dorrco Reactor at the Phosphoric Acid Plant;
- Modification of the Granular Super Triple Phosphate Plant;
- Modification of the AFI Plant, including construction of a second AFI granulation train (AFI Plant No. 2);
- Modification of the No. 5 Diammonium Phosphate (DAP) Plant; and
- Removal of a production rate cap for the Nos. 8 and 9 Sulfuric Acid Plants.

On November 12, 2002, the Department issued Air Construction Permit No. 0570008-041-AC (PSD-FL-315B). This permit, a modification to the original Air Construction Permit, authorized the following modifications to the AFI Plants 1 and 2:

- Improvement of the packed cross-flow scrubber for the defluorination system.
- For AFI Plant No. 2, installation of a Venturi scrubber to control particulate matter (PM) emissions from the milling, cooling and classification system instead of the baghouse originally proposed. Additionally, construction of a single stack to vent emissions from this new Venturi scrubber and the Venturi scrubber used to control PM emissions from the granulation system. Originally, separate stacks had been permitted for the baghouse used to control PM emissions from the milling, cooling and classification system, and for the granulation Venturi scrubber used to control PM emissions from the granulation system.

On February 4, 2004, the Department issued Air Construction Permit No. 0570008-043-AC (PSD-FL-315D) which authorized the following modifications to AFI Plants Nos. 1 and 2:

AFI Plant No. 1

- Maintain a single stack for the scrubbers controlling emissions from the defluorination, granulation, milling, cooling and classification systems. Mosaic had originally requested installation of two stacks.
- Use of Venturi and packed cross-flow scrubbers to control emissions from the defluorination system.
- Maintain the use of a Venturi scrubber system to control emissions from the granulation and material handling systems. Mosaic had originally proposed a baghouse to control emissions from the material handling system.

AFI Plant No. 2

- Construction of two new Venturi scrubbers to control emissions from the granulation system and material handling system.
- Maintain a single common stack for the two scrubbers controlling emissions from the granulation and material handling systems. Mosaic had originally requested installation of two stacks, one for each scrubber.

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

Permitted emission limits and the Best Available Control Technology (BACT) analysis were also revised in this permit to reflect the requested changes to the pollution control equipment.

On May 4, 2004, the Department issued Air Construction Permit No. 0570008-042-AC (PSD-FL-315C) which authorized modification of the No. 5 DAP Plant, but did not include any modifications to the AFI Plants.

E. Reviewing and Process Schedule

03-03-06: Date of Receipt of Application
03-30-06: DEP's 1st Completeness Request
06-28-06: Applicant's response to DEP's 1st Completeness Request
07-27-06: DEP's 2nd Completeness Request
07-28-06: Hillsborough County Environmental Protection Commission (HCEPC) Completeness Request
10-02-06: Applicant's response to DEP's 2nd Completeness Request and HCEPC's Completeness Request. Application complete.

F. Project Emissions

Although the proposed project involves physical changes to the AFI plants, no increase in emissions above the currently permitted emission rates is requested. As such, these upgrades can be completed without modifying permit conditions in the existing Air Construction Permits applicable to the AFI Plants. In accordance with Rule 62-210.200(11)(b), F.A.C., the Department presumes that the allowable emissions for this project are equivalent to the actual emissions. Since Mosaic is not requesting any increase in potential emissions due to this project, the net increase in emissions due to this project is zero. Therefore, the project is not subject to PSD preconstruction review.

II. RULE APPLICABILITY

A. Prevention of Significant Deterioration

As described above, New Source Review under PSD regulations is not applicable to the proposed project.

B. Federal and State Emission Standards

The proposed project is subject to the applicable provisions of Chapter 403, Florida Statutes, Chapters 62-4, 62-210, 62-212 and 62-296, Florida Administrative Code (F.A.C.). The facility is located in an area designated attainment or maintenance for all criteria pollutants in accordance with F.A.C. Rule 62-275.400.

The AFI plant is also subject to the emission limitations of Rule 62-296.403(1)(i) F.A.C. pertaining to fluoride emissions from phosphate processing plants. The standard is for fluorides, and requires the plant to use BACT. A full BACT analysis for the AFI plants was completed in 2004.

III. AIR QUALITY ANALYSIS

According to the application and our review, the proposed project will not increase emissions of any pollutants; therefore, no air quality analysis was required by PSD rules.

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

IV. CONCLUSION

Based on the control technology information submitted by Mosaic, the Department approves the request based on the Department's belief that Mosaic has provided reasonable assurance to the Department that it will meet the fluoride and PM emission limits established for the subject sources. Additionally, based on the foregoing technical evaluation of the application and information submitted by Mosaic, the Department has made a preliminary determination that the proposed project will comply with all applicable state air pollution regulations. Since the plant has been operated under an Air Construction PSD Permit since 2001 and subsequent modifications thereto, the Department will require the applicant to conduct stack tests and submit an application to revise the current Title V operating permit with this final modification to the AFI plants. If the plant is unable to achieve the permitted capacity, the Department will revise the permit to reflect the actual modified capacity.

PERMITTEE

Mosaic Fertilizer, LLC
8813 U.S. Highway 41 South
Riverview, Florida 33569

File No.	0570008-053-AC
Permit No.	PSD-FL-315G
SIC No.	2874
Project:	Upgrade of Defluorination Scrubber, Fan Motor
Expires:	December 31, 2007

Authorized Representative:

Mr. David Jellerson
Environmental Manager

PROJECT AND LOCATION:

Permit to upgrade the fan to a 200 horsepower motor for the Defluorination Scrubber of the Animal Feed Ingredient Plant (AFI) No. 1 and AFI Plant No. 2.

The project is located at the Mosaic Fertilizer facility, 8813 US Highway 41 South, Riverview, Hillsborough County.

UTM coordinates are Zone 17; 362.9 km E; 3082.5 km N

STATEMENT OF BASIS:

This construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), and Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.). The above named permittee is authorized to modify the facility in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department of Environmental Protection (Department)

ATTACHMENTS MADE A PART OF THIS PERMIT:

Appendix GC Construction Permit General Conditions

Joseph Kahn, Director
Division of Air Resource Management

SECTION 1. GENERAL INFORMATION

FACILITY DESCRIPTION

Mosaic Fertilizer, LLC operates a phosphate fertilizer manufacturing facility near Riverview, Hillsborough County, Florida, producing sulfuric acid, wet-process phosphoric acid, ammoniated phosphate fertilizers and related products.

PROJECT DESCRIPTION

The applicant has applied to revise PSD-FL-315 (0570008-036-AC) permit through upgrade of the Defluorination Scrubber for the AFI Plants by replacing the existing 100 horsepower (hp) fan motor with a 200-hp fan motor in order to recapture air flow lost when the venturi was installed in 2005. This change is to allow the AFI Plants to operate closer to currently permitted production rates. There have been a series of modifications (described below) attempting to realize existing permitted capacity. No increases in the permitted emissions are allowed as a result of these changes.

The original Permit that was issued on November 21, 2001 (0570008-036-AC; PSD-FL-315) was to construct/modify: the Molten Sulfur Handling System by increasing the molten sulfur rate, removal of the existing allowable production rate cap for the Nos. 8 and 9 Sulfuric Acid Plants, additional digestion volume associated with the Dorrco Reactor at the Phosphoric Acid Plant, modification of the GTSP Plant, modification of the AFI Plant No. 1, construction of the AFI Plant No. 2, and modification of the No. 5 DAP Plant. This permit has an expiration date of December 1, 2007.

On November 12, 2002, modification to the original permit was issued (0570008-041-AC; PSD-FL-315B) authorizing improvement to the packed cross-flow scrubber of the defluorination system and substituting a venturi scrubber for a baghouse for the material handling system of AFI Plant No. 2. Additionally, a common stack was allowed for the granulation system and the material handling system of AFI Plant No. 2.

On February 4, 2004, modification (0570008-043-AC; PSD-FL315D) was issued authorizing improvements to both AFI Plant No. 1 and AFI Plant No. 2.

REGULATORY CLASSIFICATION

Title III: This facility is a major source of hazardous air pollutants (HAPs). This facility is subject to applicable requirements of 40 CFR 63 Subpart AA and Subpart BB.

Title IV: The existing facility has no units subject to the acid rain provisions of the Clean Air Act.

Title V: The existing facility is a Title V major source of air pollution in accordance with Chapter 213, F.A.C.

PSD: The existing facility is a PSD-major source of air pollution in accordance with Rule 62-212.400, F.A.C.

NSPS: The existing facility operates units subject to the New Source Performance Standards of 40 CFR 60.

RELEVANT DOCUMENTS

The permit request and additional information received to make it complete are not a part of this permit; however, the information is listed in the technical evaluation which is issued concurrently with this permit.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: All documents related to applications for permits regarding construction and operation shall be submitted to the Bureau of Air Regulation of the Florida Department of Environmental Protection (DEP) at 2600 Blair Stone Road (MS #5505), Tallahassee, Florida 32399-2400. Copies of all such documents shall also be sent to the Department's Southwest District Office and the Environmental Protection Commission of Hillsborough County (EPCHC).
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to EPCHC.
3. Applicable Regulations, Forms and Application Procedures: Unless otherwise indicated in this permit, the construction and operation of the subject emissions unit shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403 of the Florida Statutes (F.S.); Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.); and Title 40, Part 60 of the Code of Federal Regulations (CFR), adopted by reference in Rule 62-204.800, F.A.C. The terms used in this permit have specific meanings as defined in the applicable chapters of the Florida Administrative Code. The permittee shall use the applicable forms listed in Rule 62-210.900, F.A.C. and follow the application procedures in Chapter 62-4, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations. [Rules 62-204.800, 62-210.300 and 62-210.900, F.A.C.]
4. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
5. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No emissions unit or facility subject to this permit shall be constructed or modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(l) and 62-212.300(l)(a), F.A.C.]
6. Title V Permit: This permit authorizes modification of the permitted emissions units and initial operation to determine compliance with Department rules. A Title V operation permit is required for regular operation of the permitted emissions unit. The permittee shall apply for a Title V operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation. To apply for a Title V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the appropriate Permitting Authority with copies to the Compliance Authority. [Rules 62-4.030, 62-4.050, 62-4.220, and Chapter 62-213, F.A.C.]

SECTION 3. EMISSIONS UNIT(S) SPECIFIC CONDITIONS

The Specific Conditions listed in this section apply to the following emission units:

EMISSION UNIT NO.	EMISSION UNIT DESCRIPTION
078	AFI Plant No. 1
103	AFI Plant No. 2

PREVIOUS APPLICABLE REQUIREMENTS

1. Permit Determination: This permit modification authorizes an upgrade of the Defluorination Scrubber for the AFI Plants by replacing the existing 100 hp fan motor with a 200 hp fan motor. Unless otherwise specified, these conditions are in addition to all existing applicable permit conditions and regulatory requirements. The permittee shall continue to comply with the conditions of the original permit 0570008-036-AC (PSD-FL-315) which include restrictions and standards regarding capacities, production, operation, fuels, emissions, monitoring, record keeping, reporting, etc. and subsequent modifications 0570008-041-AC (PSD-FL-315B) and 0570008-043-AC (PSD-FL-315D) related to the two emission units. [Rule 62-4.070, F.A.C.]

AUTHORIZED WORK

2. Defluorination Scrubber: The defluorination scrubber currently has a 100 hp fan motor. The permittee is authorized to replace it with a 200 hp fan motor.
[Applicant Request; Design; and Rule 62-210.200(PTE), F.A.C.]

NEW CONDITIONS

3. The proposed fan replacement shall be done by March 31, 2007. Within 30 days of the initial turnaround in May 2007 and no later than June 15, 2007, the permittee shall conduct a compliance test to establish capacity of the emission units and show compliance with all emission limits. The emission units shall be tested at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operating rate allowed by the permit. If the system is unable to achieve at least 90 percent capacity during the compliance test, the Department will revise the permit to reflect the actual modified capacity and operations will be limited pursuant to Rule 62-297.310, F.A.C. Any delay in fan installation and subsequent compliance testing by the permittee shall be approved by the Department.
[Applicant Request in November 17, 2006 letter to the Department; Rule 62-297.310, F.A.C.]

4. The permittee shall apply for a revision to the Title V operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation.

[Chapter 62-213, F.A.C.]

{Permitting Note: The Department will process future modifications by assigning a new construction permit number and will not allow it to be a modification of the original Permit No. PSD-FL-315.}

APPENDIX GC
GENERAL PERMIT CONDITIONS [F.A.C. 62-4-160]

- G.1 The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to sections 403.161, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
- G.2 This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
- G.3 As provided in Subsections 403.087(6) and 403.722(5), F.S. the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
- G.4 This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- G.5 This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
- G.6 The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
- G.7 The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
- a. Have access to and copy any records that must be kept under the conditions of the permit;
 - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
 - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.
- Reasonable time may depend on the nature of the concern being investigated.

APPENDIX GC
GENERAL PERMIT CONDITIONS [F.A.C. 62-4-160]

- G.8 If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
- a. a description of and cause of non-compliance; and
 - b. the period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.
- The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
- G.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 involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by sections 403.73 and 403.111, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of civil Procedure and appropriate evidentiary rules.
- G.10 The permittee agrees to comply with changes in Department rules and F.S. after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida statutes or Department rules.
- G.11 This permit is transferable only upon Department approval in accordance with Rules 62-4.120, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
- G.12 This permit or a copy thereof shall be kept at the work site of the permitted activity.
- G.13 This permit also constitutes:
- Determination of Best Available Control Technology (BACT)
 - Determination of Prevention of Significant Deterioration (PSD)
 - Compliance with New Source Performance Standards (NSPS)
- G.14 The permittee shall comply with the following:
- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - b. The permittee shall hold 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) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained 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;

APPENDIX GC
GENERAL PERMIT CONDITIONS [F.A.C. 62-4-160]

- the dates analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

G.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 corrected promptly.