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BUREAU OF AIR REGULATION

**TITLE V AIR CONSTRUCTION PERMIT
FOR THE AFI PLANT MODIFICATION
MOSAIC FERTILIZER, LLC
RIVERVIEW, FL**

Prepared for:

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

Prepared by:

**Golder Associates Inc.
6241 NW 23rd Street, Suite 500
Gainesville, Florida 32653-1500**

February 2006

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4 Copies – FDEP

2 Copies – Mosaic Fertilizer, LLC

1 Copy – Golder Associates Inc.



Department of Environmental Protection

Division of Air Resource Management

APPLICATION FOR AIR PERMIT - LONG FORM

I. APPLICATION INFORMATION

<p>Air Construction Permit – Use this form to apply for an air construction permit for a proposed project:</p> <ul style="list-style-type: none"> • subject to prevention of significant deterioration (PSD) review, nonattainment area (NAA) new source review, or maximum achievable control technology (MACT) review; or • where the applicant proposes to assume a restriction on the potential emissions of one or more pollutants to escape a federal program requirement such as PSD review, NAA new source review, Title V, or MACT; or • at an existing federally enforceable state air operation permit (FESOP) or Title V permitted facility. <p>Air Operation Permit – Use this form to apply for:</p> <ul style="list-style-type: none"> • an initial federally enforceable state air operation permit (FESOP); or • an initial/revised/renewal Title V air operation permit. <p>Air Construction Permit & Revised/Renewal Title V Air Operation Permit (Concurrent Processing Option) – Use this form to apply for both an air construction permit and a revised or renewal Title V air operation permit incorporating the proposed project.</p>
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To ensure accuracy, please see form instructions.

Identification of Facility

1. Facility Owner/Company Name: Mosaic Fertilizer, LLC	
2. Site Name: Riverview Plant	
3. Facility Identification Number: 0570008	
4. Facility Location...: Street Address or Other Locator: 8813 U.S. Highway 41 South City: Riverview County: Hillsborough Zip Code: 33569	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Title V Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Application Contact

1. Application Contact Name: Jeff Stewart, Environmental Superintendent	
2. Application Contact Mailing Address... Organization/Firm: Mosaic Fertilizer, LLC Street Address: 8813 U.S. Highway 41 South City: Riverview State: FL Zip Code: 33569	
3. Application Contact Telephone Numbers... Telephone: (813) 671-6369 ext. Fax: (813) 671-6149	
4. Application Contact Email Address: jeff.stewart@mosaicco.com	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	3/3/04
2. Project Number(s):	0570008-053-AC
3. PSD Number (if applicable):	PSD-FL-3156
4. Siting Number (if applicable):	

Purpose of Application

This application for air permit is submitted to obtain: (Check one)

Air Construction Permit

Air construction permit.

Air Operation Permit

- Initial Title V air operation permit.
- Title V air operation permit revision.
- Title V air operation permit renewal.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.

**Air Construction Permit and Revised/Renewal Title V Air Operation Permit
(Concurrent Processing)**

- Air construction permit and Title V permit revision, incorporating the proposed project.
- Air construction permit and Title V permit renewal, incorporating the proposed project.

Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C.

In such case, you must also check the following box:

- I hereby request that the department waive the processing time requirements of the air construction permit to accommodate the processing time frames of the Title V air operation permit.

Application Comment

This application is for the modification of Permit No. 0570008-043-AC/PSD-FL-315D to allow upgrades to the Animal Feed Ingredient (AFI) Plants so they can attain production rates closer to their currently permitted hourly and annual production rates. The proposed upgrades include modification of the Kimre Defluorination Scrubber to enhance product recovery, modification of the East Limestone Unloading Operation by installing a new 125 horsepower blower and 6-inch in diameter limestone transfer line, and conversion of an existing phosphoric acid storage tank to a defluorinated acid storage tank to allow the operation of the AFI Plants when the defluorination system is down.

Scope of Application


Emissions Unit ID Number	Description of Emissions Unit	Air Permit Type	Air Permit Proc. Fee
078-081, 103	Animal Feed Ingredient Plants		

Application Processing Fee

Check one: Attached - Amount: \$ _____ Not Applicable

Owner/Authorized Representative Statement

Complete if applying for an air construction permit or an initial FESOP.

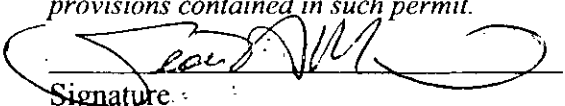
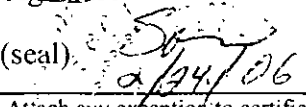
1. Owner/Authorized Representative Name :
Mr. David Jellerson, Environmental Manager
2. Owner/Authorized Representative Mailing Address... Organization/Firm: Mosaic Fertilizer, LLC Street Address: P.O. Box 2000; 5000 Old Highway 37 South City: Mulberry State: FL Zip Code: 33860
3. Owner/Authorized Representative Telephone Numbers... Telephone: (863) 428-6480 ext. Fax: (863) 671-6149
4. Owner/Authorized Representative Email Address: David.Jellerson@mosaicco.com
5. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative of the facility addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other requirements identified in this application to which the facility is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit.</i>  Signature <u>2-27-06</u> Date

Application Responsible Official Certification

Complete if applying for an initial/revised/renewal Title V permit or concurrent processing of an air construction permit and a revised/renewal Title V permit. If there are multiple responsible officials, the "application responsible official" need not be the "primary responsible official."

1. Application Responsible Official Name:			
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable):			
<input type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C.			
<input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively.			
<input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official.			
<input type="checkbox"/> The designated representative at an Acid Rain source.			
3. Application Responsible Official Mailing Address...			
Organization/Firm:			
Street Address:			
City:	State:	Zip Code:	
4. Application Responsible Official Telephone Numbers...			
Telephone: ()	-	ext.	Fax: () -
5. Application Responsible Official Email Address:			
6. Application Responsible Official Certification:			
<p>I, the undersigned, am a responsible official of the Title V source addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other applicable requirements identified in this application to which the Title V source is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit. Finally, I certify that the facility and each emissions unit are in compliance with all applicable requirements to which they are subject, except as identified in compliance plan(s) submitted with this application.</p>			
_____ Signature		_____ Date	

Professional Engineer Certification

1. Professional Engineer Name: Scott A. McCann Registration Number: 54172
2. Professional Engineer Mailing Address... Organization/Firm: Golder Associates Inc.** Street Address: 6241 NW 23rd Street, Suite 500 City: Gainesville State: FL Zip Code: 32653
3. Professional Engineer Telephone Numbers... Telephone: (352) 336-5600 ext. Fax: (352) 336-6603
4. Professional Engineer Email Address: smccann@glolder.com
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <i>(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and</i> <i>(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.</i> <i>(3) If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/> if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i> <i>(4) If the purpose of this application is to obtain an air construction permit (check here <input checked="" type="checkbox"/> if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input type="checkbox"/> if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.</i> <i>(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/> if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.</i>  Signature: _____ Date: <u>2/24/06</u>  (seal) _____ Date: <u>2/24/06</u>

* Attach any exception to certification statement.

** Board of Professional Engineers Certificate of Authorization #00001670