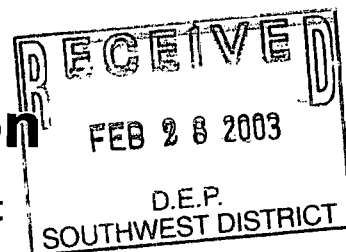


# Department of Environmental Protection

## Division of Air Resources Management



### APPLICATION FOR AIR PERMIT - TITLE V SOURCE

See Instructions for Form No. 62-210.900(1)

#### I. APPLICATION INFORMATION

##### Identification of Facility

1. Facility Owner/Company Name: <b>US Agri-Chemicals Corporation</b>	
2. Site Name: <b>Bartow Chemical Plant</b>	
3. Facility Identification Number: <b>1050050</b> [ ] Unknown	
4. Facility Location: Street Address or Other Locator: <b>SR 60, 2 miles W. of Bartow</b> City: <b>Bartow</b> County: <b>Polk</b> Zip Code: <b>33830</b>	
5. Relocatable Facility? [ ] Yes [X] No	6. Existing Permitted Facility? [X] Yes [ ] No

##### Application Contact

1. Name and Title of Application Contact: <b>Pradeep Raval, Consultant</b>	
2. Application Contact Mailing Address: Organization/Firm: <b>Koogler &amp; Associates</b> Street Address: <b>4014 NW 13<sup>th</sup> Street</b> City: <b>Gainesville</b> State: <b>FL</b> Zip Code: <b>32609</b>	
3. Application Contact Telephone Numbers: Telephone: <b>(352 ) 377-5822</b> Fax: <b>(352 ) 377-7158</b>	

##### Application Processing Information (DEP Use)

1. Date of Receipt of Application:	<b>2-28-03</b>
2. Permit Number:	
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

**Purpose of Application**

**Air Operation Permit Application**

This Application for Air Permit is submitted to obtain: (Check one)

- Initial Title V air operation permit for an existing facility which is classified as a Title V source.
- Initial Title V air operation permit for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.

Current construction permit number: \_\_\_\_\_

- Title V air operation permit revision to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number: \_\_\_\_\_.

Operation permit number to be revised: \_\_\_\_\_.

- Title V air operation permit revision or administrative correction to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. (Also check Air Construction Permit Application below.)

Operation permit number to be revised/corrected: \_\_\_\_\_

- Title V air operation permit revision for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal.

Operation permit number to be revised: 1050050-012-AV

Reason for revision: Renewal

**Air Construction Permit Application**

This Application for Air Permit is submitted to obtain: (Check one)

- Air construction permit to construct or modify one or more emissions units.
- Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.
- Air construction permit for one or more existing, but unpermitted, emissions units.

**Owner/Authorized Representative or Responsible Official**

1. Name and Title of Owner/Authorized Representative or Responsible Official: <b>Phong T. Vo, General Manager of Engineering and Technical Services</b>
2. Owner/Authorized Representative or Responsible Official Mailing Address: Organization/Firm: <b>US Agri-Chemicals</b> Street Address: <b>3225 State Road 630 West</b> City: <b>Ft. Meade</b> State: <b>FL</b> Zip Code: <b>33841-9799</b>
3. Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: <b>(863 ) 285-8121</b> Fax: <b>(863 ) 285-7088</b>
4. Owner/Authorized Representative or Responsible Official Statement: <i>I, the undersigned, am the owner or authorized representative*(check here [ ], if so) or the responsible official (check here [X], if so) of the Title V source addressed in this application, whichever is applicable. 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. 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 any permitted emissions unit.</i>  Signature <u>Phong T. Vo</u> Date <u>2/27/03</u>

\* Attach letter of authorization if not currently on file.

**Professional Engineer Certification**

1. Professional Engineer Name: <b>John B. Koogler, Ph.D., P.E.</b> Registration Number: <b>12925</b>
2. Professional Engineer Mailing Address: Organization/Firm: <b>Koogler and Associates</b> Street Address: <b>4014 NW 13th Street</b> City: <b>Gainesville</b> State: <b>FL</b> Zip Code: <b>32609</b>
3. Professional Engineer Telephone Numbers: Telephone: <b>(352 ) 377-5822</b> Fax: <b>(352 ) 377-7158</b>

4. Professional Engineer Statement:

*I, the undersigned, hereby certify, except as particularly noted herein\*, that:*

*(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*

*(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.*

*If the purpose of this application is to obtain a Title V source air operation permit (check here [ ], 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 schedule is submitted with this application.*

*If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [ ], 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.*

*If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [ X], 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.*

Signature

(seal)

Date

2/20/03

\* Attach any exception to certification statement (see Page 6).

**Scope of Application**

<b>Emissions Unit ID</b>	<b>Description of Emissions Unit</b>	<b>Permit Type</b>	<b>Processing Fee</b>
038	MAP/DAP Plant		
039	MAP/DAP Storage & Loadout		

**Application Processing Fee**

Check one: [ ] Attached - Amount: [X] Not Applicable

**Construction/Modification Information**

1. Description of Proposed Project or Alterations:

NA

2. Projected or Actual Date of Commencement of Construction:

3. Projected Date of Completion of Construction:

**Application Comment**

**The format of this permit renewal application is based on previous TV permit renewal application submittals to FDEP.**



**Facility Regulatory Classifications**

**Check all that apply:**

1. <input type="checkbox"/> Small Business Stationary Source?	<input type="checkbox"/> Unknown
2. <input checked="" type="checkbox"/> Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)?	
3. <input type="checkbox"/> Synthetic Minor Source of Pollutants Other than HAPs?	
4. <input type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)?	
5. <input type="checkbox"/> Synthetic Minor Source of HAPs?	
6. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS?	
7. <input type="checkbox"/> One or More Emission Units Subject to NESHAP?	
8. <input type="checkbox"/> Title V Source by EPA Designation?	
9. Facility Regulatory Classifications Comment (limit to 200 characters):	

**List of Applicable Regulations**

<b>DEP TITLE V CORE LIST</b>	
<b>40 CFR 60</b>	
<b>FAC RULES 62-4, 204, 210, 212, 213, 296, 297</b>	



## B. FACILITY POLLUTANTS

### List of Pollutants Emitted

1. Pollutant Emitted	2. Pollutant Classif.	3. Requested Emissions Cap		4. Basis for Emissions Cap	5. Pollutant Comment
		lb/hour	tons/year		
SO <sub>2</sub>	B				
FL	B				
PM/PM <sub>10</sub>	A				
NO <sub>x</sub>	B				

7

**C. FACILITY SUPPLEMENTAL INFORMATION**

**Supplemental Requirements**

1. Area Map Showing Facility Location: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
2. Facility Plot Plan: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
3. Process Flow Diagram(s): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
5. Fugitive Emissions Identification: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
6. Supplemental Information for Construction Permit Application: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Supplemental Requirements Comment: <b>Previously submitted.</b>

**Additional Supplemental Requirements for Title V Air Operation Permit Applications**

<p>8. List of Proposed Insignificant Activities:  <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>9. List of Equipment/Activities Regulated under Title VI:  <input type="checkbox"/> Attached, Document ID: _____  <input type="checkbox"/> Equipment/Activities On site but Not Required to be Individually Listed  <input checked="" type="checkbox"/> Not Applicable</p>
<p>10. Alternative Methods of Operation:  <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>11. Alternative Modes of Operation (Emissions Trading):  <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>12. Identification of Additional Applicable Requirements:  <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>13. Risk Management Plan Verification:  <input checked="" type="checkbox"/> Plan previously submitted to Chemical Emergency Preparedness and Prevention Office (CEPPO). Verification of submittal attached (Document ID: <u>100000145871</u>) or previously submitted to DEP (Date and DEP Office: _____)  <input type="checkbox"/> Plan to be submitted to CEPPO (Date required: _____)  <input type="checkbox"/> Not Applicable</p>
<p>14. Compliance Report and Plan:  <input checked="" type="checkbox"/> Attached, Document ID: <u>See Note*</u> <input type="checkbox"/> Not Applicable</p>
<p>15. Compliance Certification (Hard-copy Required):  <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable</p>

← *Need*

**\*Assurance of compliance with the permit conditions will be determined as presently required. Additional measures can be implemented, as deemed necessary, after due consideration of the operations of the subject source, subsequent to discussion with FDEP.**

U.S. Agri-Chemicals Corporation  
3225 State Road 630 West  
Fort Meade, FL 33841-9799  
941 285 8121

**US**  
**Agri-Chemicals**

A Sinochem Company

July 12, 2004

RECEIVED

JUL 14 2004

BUREAU OF AIR REGULATION

Ms. Cindy Phillips, P.E.  
Florida Department of Environmental Protection  
MS 5505  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

RE: Additional Information on Title V Permit Renewal  
U.S. Agri-Chemicals – Bartow Facility  
DEP File No. 1050050-014-AV

Dear Ms. Phillips,

Enclosed please find the original Responsible Official Certification to match the response filed by Pradeep Raval of Koogler & Associates for the subject permit renewal.

Please feel free to contact me at (863) 285-8121, extension 279 if you have any questions.

Sincerely,



Ronald L. Brunk, Manager  
Environmental Engineering

CC: P. Raval- K&A



**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: <b>Phong T. Vo, General Manager of Engineering and Technical Services</b>
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable): <input checked="" 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: <b>US Agri-Chemicals Corporation</b> Street Address: <b>3225 State Road 630 West</b> City: <b>Ft. Meade</b> State: <b>FL</b> Zip Code: <b>33841-9799</b>
4. Application Responsible Official Telephone Numbers... Telephone: <b>(863) 285-8121</b> ext. Fax: <b>(863) 285-7088</b>
5. Application Responsible Official Email Address: <b>PVO@USAGRICHEM.COM</b>
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> <p>Signature <u>Phong T. Vo</u> <b>RECEIVED</b> Date <u>7/12/09</u></p>

JUL 14 2004

BUREAU OF AIR REGULATION

**APPLICANT DATA SUMMARY REPORT**

2/19/2004 2:40:10 PM

USAC-BARTOW (APP #: 201)  
 U S AGRI-CHEMICALS CORP. (FACILITY ID: 1050050)

**\*\*\*\*\* APPLICATION SECTION \*\*\*\*\*****\*\* APPLICATION IDENTIFICATION INFORMATION \*\***

Application Number: 201  
 Applicant's Version: 1  
 Application Name: USAC-BARTOW  
 Application Type: LONG FORM  
 Purpose of Application: TITLE V AIR OPERATION PERMIT RENEWAL.  
 Application Comment:

Are you requesting a multi-unit or facility-wide emissions cap for one or more pollutants? NO

**\*\* SCOPE OF APPLICATION \*\***

EU ID	Description	Permit Type	Processing Fee
038	150 TPH MAP/DAP PLANT(79 TPH P2O5 INPUT)	AV05	\$0.00
039	DAP/MAP STORAGE AND LOADING	AV05	\$0.00
040	FACILITY WIDE FUGITIVE EMISSIONS	AV05	\$0.00
<b>Total Processing Fee:</b>			<b>\$0.00</b>

**\*\* APPLICATION CONTACT INFORMATION \*\***

First Name: PRADEEP  
 Last Name: RAVAL  
 Job Title: CONSULTANT  
 Name of Organization/Firm: KOOGLER & ASSOCIATES  
 Street Address: 4014 NW 13TH STREET  
 City: GAINESVILLE  
 State: FL  
 Zip: 32609  
 Telephone: 352 - 377 - 5822  
 Fax: 352 - 377 - 7158  
 E-mail: PRAVAL@YAHOO.COM

**\*\* PROFESSIONAL ENGINEER INFORMATION \*\***

First Name: JOHN  
 Last Name: KOOGLER  
 Job Title:  
 Name of Organization/Firm: KOOGLER AND ASSOCIATES  
 Registration Number: 12925  
 Street Address: 4014 NW 13TH STREET  
 City: GAINESVILLE  
 State: FL  
 Zip: 32609  
 Telephone: 352 - 377 - 5822  
 Fax:  
 E-mail: JKOOGLER@KOOGLERASSOCIATES.COM

**\*\* OWNER/AUTHORIZED REPRESENTATIVE INFORMATION \*\***

First Name:  
 Last Name:  
 Job Title:

**Name of Organization/Firm:**  
**Street Address:**  
**City:**  
**State:**  
**Zip:**  
**Telephone:**  
**Fax:**  
**E-mail:**

**\*\* RESPONSIBLE OFFICIAL INFORMATION \*\***

**First Name:** PHONG  
**Last Name:** VO  
**Primary RO?** YES  
**Job Title:**

**Name of Organization/Firm:** US AGRI-CHEMICALS CORPORATION  
**Street Address:** 3225 SR 630 WEST  
**City:** FT. MEADE  
**State:** FL  
**Zip:** 33841  
**Telephone:** 863 - 285 - 8121  
**Fax:** 863 - 285 - 7088  
**E-mail:** PVO@USAGRICHEM.COM

**RO Qualification:** 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.

**USAC-BARTOW (APP #: 201)  
U S AGRI-CHEMICALS CORP. (FACILITY ID: 1050050)**

**\*\*\*\*\* FACILITY SECTION \*\*\*\*\***

**\*\* FACILITY IDENTIFICATION INFORMATION \*\***

**Owner/Company Name:** U S AGRI-CHEMICALS CORP.  
**Site Name:** U S AGRI-CHEMICALS - BARTOW  
**Facility Office:** SWD - SW: TAMPA  
**Description of Location:** HWY 60 WEST  
**Street Address:** HWY 60 WEST  
**City:** BARTOW  
**County:** POLK  
**ZIP:** 33830  
**Relocatable:** NO  
**Facility Status:** A - ACTIVE  
**Comment:**

**\*\* FACILITY LOCATION AND TYPE \*\***

**Facility UTM Coordinates:** Zone: 17 East(km): 413.2 North(km): 3086.3  
**Facility Latitude:** Degrees: 27 Minutes: 54 Seconds: 1  
**Facility Longitude:** Degrees: 81 Minutes: 52 Seconds: 55  
**Facility Type:** 6 - PHOSPHATE FERTILIZER PLANT  
**Facility SIC Codes:** Primary: 2874 - CHEMICALS AND ALLIED PRODUCTS  
 AGRICULTURAL CHEMICALS  
 PHOSPHATIC FERTILIZERS  
**Governmental Facility Code:** 0 - NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT  
**Facility Major Group SIC:** 28 - CHEMICALS AND ALLIED PRODUCTS

**\*\* FACILITY CONTACT INFORMATION \*\***

**First Name:** RONALD  
**Last Name:** BRUNK  
**Job Title:** MANAGER, ENVIRONMENTAL ENGINEERING  
**Name of Organization/Firm:** U.S. AGRI-CHEMICALS  
**Street Address:** 3225 STATE ROAD 630 WEST  
**City:** FT MEADE  
**State:** FL  
**Zip:** 33841 - 9778  
**Telephone:** 863 - 285 - 8121  
**Fax:** 863 - 285 - 9779  
**E-mail:** rbrunk@usaagricchem.com

**\*\* FACILITY REGULATORY CLASSIFICATIONS \*\***

**Small Business Stationary Source?**  
**Title V?** Yes  
**Major Source of Pollutants Other than HAPs?** Yes  
**Major Source of HAPs?**  
**TITLE V Source by EPA Designation?**  
**Synthetic Non-Title V Source?**  
**Synthetic Minor Source of Pollutants Other than Hazardous Air Pollutants (HAPs)?**  
**Synthetic Minor Source of HAPs?**  
**One or More EUs Subject to NSPS?** Yes  
**AOR Required?** Yes  
**Ozone SIP Facility?** No  
**One or More EUs Subject to NESHAP?**  
**Regulatory Classifications Comment:**



**\*\* FACILITY POLLUTANT INFORMATION \*\***

Code	Description	Class.	Comment
CO	Carbon Monoxide	B	
FL	Fluorides - Total (elemental fluorine and fluoride compounds)	B	
NH3	Ammonia	C	
NOX	Nitrogen Oxides	B	
PM	Particulate Matter - Total	A	
PM10	Particulate Matter - PM10	B	
SAM	Sulfuric Acid Mist	B	
SO2	Sulfur Dioxide	B	
VOC	Volatile Organic Compounds	B	

**\*\* FACILITY POLLUTANT CAP INFORMATION \*\***

\*\*\* NO FACILITY POLLUTANTS WITH CAPS FOUND \*\*\*

**\*\* FACILITY SUPPLEMENTARY ITEMS \*\***

Supplementary Item	Applicable?	Attachment?
ADDITIONAL IMPACT ANALYSES (RULES 62-212.400(5)(e)1. and 62-212.500(4)(e),F.A.C.)	No	No
AIR QUALITY IMPACT SINCE 1977 (RULE 62-212.400(5)(h)5.,F.A.C.)	No	No
ALTERNATIVE ANALYSIS REQUIREMENTS (RULE 62-212.500(4)(g),F.A.C.)	No	No
AMBIENT IMPACT ANALYSIS (RULE 62-212.400(5)(D),F.A.C.)	No	No
AREA MAP SHOWING FACILITY LOCATION	No	No
COMPLIANCE REPORT AND PLAN	Yes	Yes
DESCRIPTION OF PROPOSED CONSTRUCTION OR MODIFICATION	No	No
FACILITY PLOT PLAN	No	No
Previously submitted? YES Submittal Date:		
FUGITIVE EMISSIONS IDENTIFICATION (RULE 62-212.400(2),F.A.C.)	No	No
IDENTIFICATION OF APPLICABLE REQUIREMENTS	Yes	Yes
LIST OF EQUIPMENT/ACTIVITIES REGULATED UNDER TITLE VI	No	No
Equipment/Activities On Site but Not Required to be Individually Listed? NO		
LIST OF EXEMPT EMISSIONS UNITS (RULE 62-210.300(3)(a) or (b)1.,F.A.C.)	No	No
LIST OF EXEMPT EMISSIONS UNITS (RULE 62-210.300(3)(a) or (b)1.,F.A.C.)	No	No
LIST OF INSIGNIFICANT ACTIVITIES	Yes	Yes
OTHER FACILITY INFORMATION	No	No
PRECAUTIONS TO PREVENT EMISSIONS OF UNCONFINED PARTICULATE MATTER	No	No
Previously submitted? YES Submittal Date:		
PRECONSTRUCTION AIR QUALITY MONITORING AND ANALYSIS (RULE 62-212.400(5)(f),F.A.C.)	No	No
PROCESS FLOW DIAGRAM(s)	No	No
Previously submitted? YES Submittal Date:		
REQUESTED CHANGES TO CURRENT TITLE V AIR OPERATION PERMIT	No	No
RULE APPLICABILITY ANALYSIS	No	No
VERIFICATION OF RISK MANAGEMENT PLAN SUBMISSION TO EPA	No	No

**\*\* FACILITY SUPPLEMENTARY ATTACHMENTS \*\***

Supplementary Item	Electronic?	Attachment Description	Electronic File Name	Uploaded?
COMPLIANCE REPORT AND PLAN	No	COMPLIANCE REPORT	N/A	N/A
IDENTIFICATION OF APPLICABLE REQUIREMENTS	No	APPLICABLE REQUIREMENTS	N/A	N/A
LIST OF INSIGNIFICANT ACTIVITIES	No	INSIGNIFICANT ACTIVITIES	N/A	N/A

**USAC-BARTOW (APP #: 201)  
U S AGRI-CHEMICALS CORP. (FACILITY ID: 1050050)**

**\*\*\*\*\* EMISSIONS UNIT SECTION \*\*\*\*\***

**\*\* EU 038: DESCRIPTION AND DETAIL INFORMATION \*\***

**Type of EU:** THIS EMISSIONS UNIT INFORMATION SECTION ADDRESSES, AS A SINGLE EMISSIONS UNIT, A GROUP OF PROCESS OR PRODUCTION UNITS AND ACTIVITIES WHICH HAS AT LEAST ONE DEFINABLE EMISSION POINT (STACK OR VENT) BUT MAY ALSO PRODUCE FUGITIVE EMISSIONS.

**EU Description:** 150 TPH MAP/DAP PLANT(79 TPH P2O5 INPUT)

**EU Status:** A - ACTIVE

**EU Classification:** R - REGULATED EMISSIONS UNIT

**Acid Rain Unit?** No

**CEMS Required?** No

**Ozone SIP Base Year Unit?** No

**Initial Startup Date:**

**Long-term Reserve Shutdown Date:**

**Commence Construction Date:**

**EU Major Group SIC:** 28 - CHEMICALS AND ALLIED PRODUCTS

**EU Type:** 2.04 - AGRICULTURAL CHEMICAL MANUFACTURE

**Package Unit Manufacturer:**

**Generator Nameplate Rating:**

**Incinerator Dwell Temp:**

**Incinerator Dwell Time:**

**Incinerator Afterburner Temp:**

**EU Comment:**

**\*\*EU 038: CONTROL EQUIPMENT/METHOD INFORMATION \*\***

**Control Equipment/Method Name:** PACKED-GAS ADSORPTION COLUMN

**Description:** Two (2) tail gas packed scrubbers for fluorides and particulate matter.

**Manufacturer:**

**Model Number:**

**Serial Number:**

**Control Equipment/Method Name:** VENTURI SCRUBBER

**Description:** Three (3) venturi scrubbers for particulate matter.

**Manufacturer:**

**Model Number:**

**Serial Number:**

**\*\*EU 038: OPERATING CAPACITY AND SCHEDULE \*\***

**Maximum Heat Input Rate:** 44.6 mmBtu/hr

**Maximum Incineration Rate:**

**Maximum Process or Throughput Rate:** 79

**Maximum Process or Throughput Rate Units:** TPH P2O5 INPUT

**Maximum Production Rate:** 150

**Maximum Process or Throughput Rate Units:** TPH MAP/DAP

**Requested Maximum Operating Schedule:** 24 hours/day 7 days/week 52 weeks/year 8760 weeks/year

**Operating Capacity and Schedule Comment:** MAXIMUM HEAT INPUT RATE BASED ON DAP PRODUCTION.  
150 TPH\*0.2973 MMBTU/T = 44L.6 MAXIMUM PROCESS OR THROUGHPUT RATE BASED ON MAP PRODUCTION: 150 TPH X 0.525 X TP2O5/TMAP = 79 TP2O5/HR

**\*\*EU 038: POINT (STACK/VENT) INFORMATION \*\***

**Stack Number:** 38

**Identification of Point on Plot Plan or Flow Diagram?**

**Emission Point Type Code:** 1 - A SINGLE EMISSION POINT SERVING A SINGLE EMISSIONS UNIT

**Discharge Type Code:** V - A STACK WITH AN UNOBSTRUCTED OPENING  
 DISCHARGING IN A VERTICAL, OR NEARLY VERTICAL  
 DIRECTION  
**Stack Height:** 131 feet  
**Exit Diameter:** 7 feet  
**Exit Temperature:** 110 Fahrenheit  
**Actual Volumetric Flow Rate:** 130000 acfm  
**Water Vapor:**  
**Maximum Dry Standard Flow Rate:**  
**Nonstack Emission Point Height:**  
**Emission Point UTM Coordinates:**  
**Emission Point Latitude:**  
**Emission Point Longitude:**  
**Emission Point Comment:**

**\*\*EU 038: SEGMENT (PROCESS/FUEL) INFORMATION \*\***

**SCC Code:** 30103002  
**Units:** Tons P2O5 Produced  
**Description 1:** Industrial Processes  
**Description 2:** Chemical Manufacturing  
**Description 3:** Ammonium Phosphates  
**Description 4:** Ammoniator/Granulator  
**Is this a Valid Segment?** YES  
**Status:** ACTIVE  
**Segment Description (Process/Fuel Type):** MAP/DAP Production  
**Maximum Hourly Rate:**  
**Hourly Rate Limit:** 79  
**Maximum Annual Rate:**  
**Annual Rate Limit:** 692040  
**Estimated Annual Activity Factor:**  
**Maximum % Sulfur:**  
**% Sulfur Rate Limit:**  
**Maximum % Ash:**  
**Million Btu per SCC Unit:** 0  
**Segment Comment:** Max Ann Rate for MAP/DAP is 150 TPH (1314000 TPY)

**SCC Code:** 30103020  
**Units:** Tons Fertilizer Produced  
**Description 1:** Industrial Processes  
**Description 2:** Chemical Manufacturing  
**Description 3:** Ammonium Phosphates  
**Description 4:** Mixing  
**Is this a Valid Segment?** YES  
**Status:** ACTIVE  
**Segment Description (Process/Fuel Type):** DAP/MAP Production  
**Maximum Hourly Rate:**  
**Hourly Rate Limit:** 150  
**Maximum Annual Rate:**  
**Annual Rate Limit:** 1314000  
**Estimated Annual Activity Factor:**  
**Maximum % Sulfur:**  
**% Sulfur Rate Limit:**  
**Maximum % Ash:**  
**Million Btu per SCC Unit:** 0  
**Segment Comment:** Maximum Annual Rate 150 TPH x 870 hr/yr = 1314000 TPY

**SCC Code:** 39000499  
**Units:** 1000 Gallons Residual Oil Burned  
**Description 1:** Industrial Processes  
**Description 2:** In-process Fuel Use  
**Description 3:** Residual Oil  
**Description 4:** General  
**Is this a Valid Segment?** YES  
**Status:** ACTIVE

**Segment Description (Process/Fuel Type):** Dryer Fuel Type: #6 Oil  
**Maximum Hourly Rate:**  
**Hourly Rate Limit:** 0.297  
**Maximum Annual Rate:**  
**Annual Rate Limit:** 2605  
**Estimated Annual Activity Factor:**  
**Maximum % Sulfur:**  
**% Sulfur Rate Limit:** 2.5  
**Maximum % Ash:**  
**Million Btu per SCC Unit:** 150  
**Segment Comment:** Maximum Hourly Rate  $44.6 \text{ MMBtu/hr} / 150 \text{ MMBtu/Tgal} = 0.297$   
 Tgal/HR Maximum Annual Rate  $0.297 \text{ Tgal/hr} \times 8760 \text{ hr/yr} = 2605$   
 Tgal/yr

**SCC Code:** 39000689

**Units:** Million Cubic Feet Natural Gas Burned

**Description 1:** Industrial Processes

**Description 2:** In-process Fuel Use

**Description 3:** Natural Gas

**Description 4:** General

**Is this a Valid Segment?** YES

**Status:** ACTIVE

**Segment Description (Process/Fuel Type):** Dryer Fuel type: natural gas

**Maximum Hourly Rate:**

**Hourly Rate Limit:** 0.042

**Maximum Annual Rate:**

**Annual Rate Limit:** 372

**Estimated Annual Activity Factor:**

**Maximum % Sulfur:**

**% Sulfur Rate Limit:**

**Maximum % Ash:**

**Million Btu per SCC Unit:** 1050

**Segment Comment:** Maximum Hourly Rate  $44.6 \text{ MMBtu/hr} / 1050 \text{ MMBtu/MMCF} = 0.042$   
 MMCF/HR Maximum Annual Rate  $0.042 \text{ MMCF/hr} \times 8760 \text{ hr/yr} =$   
 372 MMCF/yr

**SCC Code:** 39000699

**Units:** Million Cubic Feet Natural Gas Burned

**Description 1:** Industrial Processes

**Description 2:** In-process Fuel Use

**Description 3:** Natural Gas

**Description 4:** General

**Is this a Valid Segment?** YES

**Status:** INACTIVE

**Segment Description (Process/Fuel Type):**

**Maximum Hourly Rate:**

**Hourly Rate Limit:**

**Maximum Annual Rate:**

**Annual Rate Limit:**

**Estimated Annual Activity Factor:**

**Maximum % Sulfur:**

**% Sulfur Rate Limit:**

**Maximum % Ash:**

**Million Btu per SCC Unit:**

**Segment Comment:**

**\*\*EU 038: POLLUTANT INFORMATION \*\***

**Pollutant Code:** CO

**Pollutant Description:** CARBON MONOXIDE

**Is this a Valid Pollutant?** YES

**Status:** ACTIVE

**Include in the Facility Emissions Cap?** NO

**Pollutant Regulatory Code:**

NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO

## WORK PRACTICE

**Primary Control Device:**  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:**  
**Synthetically Limited?:** NO  
**Emissions Method:**  
**Emission Factor:**  
**Emission Factor Units:** PPMVD @ 8% O2  
**Emission Factor Reference:**  
**Calculation of Emissions:**  
**Range of Estimated Fugitive Emissions (Lower Limit):**  
**Range of Estimated Fugitive Emissions (Upper Limit):**  
**Pollutant Comment:**

**Pollutant Code:** FL  
**Pollutant Description:** FLUORIDES - TOTAL (ELEMENTAL FLUORINE AND FLORIDE COMPOUNDS)  
**Is this a Valid Pollutant?** YES  
**Status:** ACTIVE  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** EL - EMISSION-LIMITED POLLUTANT  
**Primary Control Device:** VENTURI SCRUBBER  
**Secondary Control Device:** GAS SCRUBBER, GENERAL  
**Total % Efficiency of Control:** 99.8  
**Potential Emissions:** 4.17 lb/hour 18.29 tons/year  
**Synthetically Limited?:** NO  
**Emissions Method:** CALCULATED BASED ON SOURCE TEST OR CONTINUOUS EMISSION MEASUREMENTS.  
**Emission Factor:** 0.06  
**Emission Factor Units:** LB/TON  
**Emission Factor Reference:** NSPS Limit  
**Calculation of Emissions:** 0.06 lb/T P2O5 x 70 TP2O5/hr = 4.17 lb/hr 4.17 lb/hr x 8760 hr/yr x ton/2000 lb = 18.29 TPY  
**Range of Estimated Fugitive Emissions (Lower Limit):** 1  
**Range of Estimated Fugitive Emissions (Upper Limit):** 5  
**Pollutant Comment:** There exists a potential for fugitive emissions of fluorides to occur from this emission unit.

**Pollutant Code:** NOX  
**Pollutant Description:** NITROGEN OXIDES  
**Is this a Valid Pollutant?** YES  
**Status:** ACTIVE  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

**Primary Control Device:**  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:**  
**Synthetically Limited?:**  
**Emissions Method:**  
**Emission Factor:**  
**Emission Factor Units:**  
**Emission Factor Reference:**  
**Calculation of Emissions:**  
**Range of Estimated Fugitive Emissions (Lower Limit):**  
**Range of Estimated Fugitive Emissions (Upper Limit):**  
**Pollutant Comment:**

**Pollutant Code:** PM  
**Pollutant Description:** PARTICULATE MATTER - TOTAL  
**Is this a Valid Pollutant?** YES  
**Status:** ACTIVE  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** EL - EMISSION-LIMITED POLLUTANT

**Primary Control Device:** VENTURI SCRUBBER  
**Secondary Control Device:** GAS SCRUBBER, GENERAL  
**Total % Efficiency of Control:**  
**Potential Emissions:** 38.59 lb/hour 169.02 tons/year  
**Synthetically Limited?:**  
**Emissions Method:** EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.  
**Emission Factor:** 38.59  
**Emission Factor Units:** LB/HR  
**Emission Factor Reference:** Permit Allowable  
**Calculation of Emissions:** 38.59 lb/hr x 8760 hr/yr x ton/2000 lb = 169 tons/yr  
**Range of Estimated Fugitive Emissions (Lower Limit):** 1  
**Range of Estimated Fugitive Emissions (Upper Limit):** 5  
**Pollutant Comment:**

**Pollutant Code:** PM10  
**Pollutant Description:** PARTICULATE MATTER - PM10  
**Is this a Valid Pollutant?** YES  
**Status:** ACTIVE  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE  
**Primary Control Device:** VENTURI SCRUBBER  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:**  
**Synthetically Limited?:** NO  
**Emissions Method:**  
**Emission Factor:**  
**Emission Factor Units:** LB/HR  
**Emission Factor Reference:** PERMIT ALLOWABLE  
**Calculation of Emissions:**  
**Range of Estimated Fugitive Emissions (Lower Limit):**  
**Range of Estimated Fugitive Emissions (Upper Limit):**  
**Pollutant Comment:**

**Pollutant Code:** SO2  
**Pollutant Description:** SULFUR DIOXIDE  
**Is this a Valid Pollutant?** YES  
**Status:** ACTIVE  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** WP - POLLUTANT REGULATED UNDER WORK PRACTICE STANDARD ONLY  
**Primary Control Device:**  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:**  
**Synthetically Limited?:**  
**Emissions Method:**  
**Emission Factor:**  
**Emission Factor Units:**  
**Emission Factor Reference:**  
**Calculation of Emissions:**  
**Range of Estimated Fugitive Emissions (Lower Limit):**  
**Range of Estimated Fugitive Emissions (Upper Limit):**  
**Pollutant Comment:**

**Pollutant Code:** VOC  
**Pollutant Description:** VOLATILE ORGANIC COMPOUNDS  
**Is this a Valid Pollutant?** YES  
**Status:** ACTIVE  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE  
**Primary Control Device:**  
**Secondary Control Device:**

**Total % Efficiency of Control:**  
**Potential Emissions:**  
**Synthetically Limited?:** NO  
**Emissions Method:**  
**Emission Factor:**  
**Emission Factor Units:** PPMVD @ 8% O2  
**Emission Factor Reference:**  
**Calculation of Emissions:**  
**Range of Estimated Fugitive Emissions (Lower Limit):**  
**Range of Estimated Fugitive Emissions (Upper Limit):**  
**Pollutant Comment:**

**\*\*EU 038: POLLUTANT ALLOWABLE EMISSIONS INFORMATION \*\***

**Pollutant Code:** FL  
**Pollutant Description:** FLUORIDES - TOTAL (ELEMENTAL FLUORINE AND FLORIDE COMPOUNDS)  
**Basis for Allowable Emissions Code:** RULE - EMISSIONS CAP REQUIRED BY RULE  
**Regulation:** 40CFR60, SUBPART V  
**Future Effective Date of Allowable Emissions:**  
**Allowable Emissions:** 0.06  
**Allowable Emissions Unit:** POUNDS PER TON OF FEED MATERIAL  
**Equivalent Allowable Emissions:** 4.17 lb/hour 18.29 tons/year  
**Method of Compliance:** EPA Method 13A or 13B  
**Compliance Method Code:** 1 - STACK TEST  
**Compliance Test Frequency:** 1 - ANNUALLY  
**Frequency Base Date:** 3/20/1990  
**Comment/Description of Operating Method:**

**Pollutant Code:** PM  
**Pollutant Description:** PARTICULATE MATTER - TOTAL  
**Basis for Allowable Emissions Code:** RULE - EMISSIONS CAP REQUIRED BY RULE  
**Regulation:** 62-296.320(4)(a), AC53-14  
**Future Effective Date of Allowable Emissions:**  
**Allowable Emissions:** 38.59  
**Allowable Emissions Unit:** POUNDS/HOUR  
**Equivalent Allowable Emissions:** 38.59 lb/hour 169.02 tons/year  
**Method of Compliance:** EPA Methods 1-5  
**Compliance Method Code:** 1 - STACK TEST  
**Compliance Test Frequency:** 1 - ANNUALLY  
**Frequency Base Date:** 3/20/1990  
**Comment/Description of Operating Method:**

**Pollutant Code:** PM10  
**Pollutant Description:** PARTICULATE MATTER - PM10  
**Basis for Allowable Emissions Code:** RULE - EMISSIONS CAP REQUIRED BY RULE  
**Regulation:** 62-296.320(4)(a), F.A.C.  
**Future Effective Date of Allowable Emissions:**  
**Allowable Emissions:**  
**Allowable Emissions Unit:** POUNDS/HOUR  
**Equivalent Allowable Emissions:**  
**Method of Compliance:**  
**Compliance Method Code:** 1 - STACK TEST  
**Compliance Test Frequency:** 0 - NONE REQUIRED  
**Frequency Base Date:**  
**Comment/Description of Operating Method:**

**Pollutant Code:** SO2  
**Pollutant Description:** SULFUR DIOXIDE  
**Basis for Allowable Emissions Code:** OTHER - REQUESTED BY APPLICANT FOR OTHER REASONS  
**Regulation:**  
**Future Effective Date of Allowable Emissions:**  
**Allowable Emissions:** 2.5  
**Allowable Emissions Unit:** PERCENT SULFUR IN FUEL

**Equivalent Allowable Emissions:**  
**Method of Compliance:** % sulfur -- Fuel oil analysis  
**Compliance Method Code:** 4 - FUEL SAMPLING  
**Compliance Test Frequency:** 0 - NONE REQUIRED  
**Frequency Base Date:**  
**Comment/Description of Operating Method:** AC53-145424

**\*\*EU 038: VISIBLE EMISSIONS INFORMATION \*\***

**Visible Emissions Subtype:** VE20  
**Basis for Allowable Opacity:** RULE  
**Regulation:** 62-296.320(4)(b)  
**Requested Allowable Opacity in Normal Conditions:** 020  
**Requested Allowable Opacity in Exceptional Conditions:** 0  
**Maximum Period of Excess Opacity Allowed:** 0  
**Compliance Test Method(s):**  
**Compliance Test Frequency:** 1 - ANNUALLY  
**Frequency Base Date:** 3/20/1990  
**COM Required?** No  
**Visible Emissions Comment:**

**\*\*EU 038: CONTINUOUS MONITOR INFORMATION \*\***

**CM Identifier:** 2  
**Parameter Code:** FLOW - Volumetric flow rate  
**CMS Requirement:**  
**CEM Requirement:** 9 - NSPS  
**Monitor Manufacturer:** Fischer Porter  
**Model Number:** 10D14 75PN14PF1  
**Serial Number:** 93W003652  
**Installation Date:** 3/1/1994  
**Certification Date:**  
**Performance Specification Test Date:**  
**Performance Specification Test Status:**  
**Status:** ACTIVE  
**Continuous Monitor Comment:** CMS Requirement is 40 CFR 60.223(a) flow of acid into the plant. This device monitors acid from the 52% day tank to the reactor.

**CM Identifier:** 3  
**Parameter Code:** FLOW - Volumetric flow rate  
**CMS Requirement:**  
**CEM Requirement:** 9 - NSPS  
**Monitor Manufacturer:** Foxboro  
**Model Number:** 8003A-WCR-PJGFG  
**Serial Number:** 2A9414  
**Installation Date:** 4/1/1995  
**Certification Date:**  
**Performance Specification Test Date:**  
**Performance Specification Test Status:**  
**Status:** ACTIVE  
**Continuous Monitor Comment:** CMS Requirement is 40 CFR 60.223(a) flow of acid into the plant. This device monitors acid from the blend acid day tank to the primary scrubber.

**CM Identifier:** 4  
**Parameter Code:** FLOW - Volumetric flow rate  
**CMS Requirement:**  
**CEM Requirement:** 9 - NSPS  
**Monitor Manufacturer:** Fischer Porter  
**Model Number:** 10D1475PN15PF12  
**Serial Number:** 93W013242  
**Installation Date:** 8/1/1993



**Certification Date:**  
**Performance Specification Test Date:**  
**Performance Specification Test Status:**  
**Status:** ACTIVE  
**Continuous Monitor Comment:** CMS Requirement is 40 CFR 60.223(a) flow of acid into the plant. This device monitors acid from the 52% day tank to the ammonia scrubber.

**CM Identifier:** 1  
**Parameter Code:** PRS - Pressure drop  
**CMS Requirement:**  
**CEM Requirement:** 9 - NSPS  
**Monitor Manufacturer:** Barton  
**Model Number:** 202E  
**Serial Number:** 1039  
**Installation Date:** 7/1/1979  
**Certification Date:**  
**Performance Specification Test Date:**  
**Performance Specification Test Status:**  
**Status:** ACTIVE  
**Continuous Monitor Comment:** CMS Requirement is 40 CFR 60.223(c) pressure drop across the scrubber. This monitor is on the RGCE tail gas scrubber.

**CM Identifier:** 5  
**Parameter Code:** PRS - Pressure drop  
**CMS Requirement:**  
**CEM Requirement:** 9 - NSPS  
**Monitor Manufacturer:** Barton  
**Model Number:** 202E  
**Serial Number:** 1038  
**Installation Date:** 7/1/1979  
**Certification Date:**  
**Performance Specification Test Date:**  
**Performance Specification Test Status:**  
**Status:** ACTIVE  
**Continuous Monitor Comment:** CMS Requirement is 40 CFR 60.223(c) pressure drop across scrubber. This monitor is on the Dryer tail gas scrubber.

**\*\* EU 038: SUPPLEMENTARY ITEMS \*\***

Supplementary Item	Applicable?	Attachment?
ACID RAIN PART (FORM NO. 62-210.900(1)(a)) Previously submitted? NO Submittal Date:	No	No
ALTERNATIVE METHODS OF OPERATION	No	No
ALTERNATIVE MODES OF OPERATION (EMISSIONS TRADING)	No	No
CERTIFICATE OF REPRESENTATION (EPA FORM NO. 7610-1)	No	No
COMPLIANCE ASSURANCE MONITORING PLAN	Yes	Yes
COMPLIANCE DEMONSTRATION REPORTS/RECORDS Previously submitted? YES Submittal Date: Previously Submitted Test Date(s)/Pollutants Tested: To Be submitted? NO Submittal Date: To Be Submitted Test Date(s)/Pollutants Tested:	Yes	Yes
CONTROL TECHNOLOGY REVIEW AND ANALYSIS (RULES 62-212.400(6) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e))	No	No
DESCRIPTION OF STACK SAMPLING FACILITIES	No	No
DETAILED DESCRIPTION OF CONTROL EQUIPMENT Previously submitted? YES Submittal Date:	Yes	Yes
FUEL ANALYSIS OR SPECIFICATION Previously submitted? YES Submittal Date:	Yes	Yes
GOOD ENGINEERING PRACTICE STACK HEIGHT ANALYSIS (RULE 62-212.400(5)(h)6, F.A.C., and RULE 62-212.500(4)(f), F.A.C.)	No	No
IDENTIFICATION OF APPLICABLE REQUIREMENTS	Yes	Yes
NEW UNIT EXEMPTION (FORM NO. 62-210.900(1)(a)2.) Previously submitted? NO Submittal Date:	No	No
OPERATION AND MAINTENANCE PLAN	No	No

Previously submitted? NO Submittal Date:		
OTHER EMISSIONS UNIT INFORMATION	No	No
OTHER INFORMATION REQUIRED BY RULE OR STATUTE	No	No
PHASE II NO <sub>x</sub> AVERAGING PLAN (FORM NO. 62-210.900(1)(a)5.) Previously submitted? NO Submittal Date:	No	No
PHASE II NO <sub>x</sub> COMPLIANCE PLAN (FORM NO. 62-210.900(1)(a)4.) Previously submitted? NO Submittal Date:	No	No
PROCEDURES FOR STARTUP AND SHUTDOWN Previously submitted? NO Submittal Date:	No	No
PROCESS FLOW DIAGRAM Previously submitted? YES Submittal Date:	Yes	Yes
REPOWERING EXTENSION PLAN (FORM NO. 62-210.900(1)(a)1.) Previously submitted? NO Submittal Date:	No	No
RETIRED UNIT EXEMPTION (FORM NO. 62-210.900(1)(a)3.) Previously submitted? NO Submittal Date:	No	No

**\*\* EU 038: SUPPLEMENTARY ATTACHMENTS \*\***

Supplementary Item	Electronic?	Attachment Description	Electronic File Name	Uploaded?
COMPLIANCE ASSURANCE MONITORING PLAN	No	CAM PLAN	N/A	N/A
COMPLIANCE DEMONSTRATION REPORTS/RECORDS	No	COMPLIANCE DEMONSTRATION	N/A	N/A
DETAILED DESCRIPTION OF CONTROL EQUIPMENT	No	CONTROL EQUIPMENT	N/A	N/A
FUEL ANALYSIS OR SPECIFICATION	No	FUEL SPECIFICATION	N/A	N/A
IDENTIFICATION OF APPLICABLE REQUIREMENTS	No	APPLICABLE REQUIREMENTS	N/A	N/A
PROCESS FLOW DIAGRAM	No	PROCESS FLOW	N/A	N/A

**\*\* EU 039: DESCRIPTION AND DETAIL INFORMATION \*\***

**Type of EU:** THIS EMISSIONS UNIT INFORMATION SECTION ADDRESSES, AS A SINGLE EMISSIONS UNIT, A GROUP OF PROCESS OR PRODUCTION UNITS AND ACTIVITIES WHICH HAS AT LEAST ONE DEFINABLE EMISSION POINT (STACK OR VENT) BUT MAY ALSO PRODUCE FUGITIVE EMISSIONS.

**EU Description:** DAP/MAP STORAGE AND LOADING

**EU Status:** A - ACTIVE

**EU Classification:** R - REGULATED EMISSIONS UNIT

**Acid Rain Unit?** No

**CEMS Required?** No

**Ozone SIP Base Year Unit?** No

**Initial Startup Date:**

**Long-term Reserve Shutdown Date:**

**Commence Construction Date:**

**EU Major Group SIC:** 28 - CHEMICALS AND ALLIED PRODUCTS

**EU Type:** 2.04 - AGRICULTURAL CHEMICAL MANUFACTURE

**Package Unit Manufacturer:**

**Generator Nameplate Rating:**

**Incinerator Dwell Temp:**

**Incinerator Dwell Time:**

**Incinerator Afterburner Temp:**

**EU Comment:** DUST-SUPPRESSING OIL MAY BE APPLIED TO PRODUCT SO THAT BAGHOUSE-OPERATION IS NOT NECESSARY. VE MUST BE LESS THAN 5% WHEN HANDLING OILED PRODUCT WITHOUT BAGHOUSE OPERATION.

**\*\*EU 039: CONTROL EQUIPMENT/METHOD INFORMATION \*\***

**Control Equipment/Method Name:** FABRIC FILTER LOW TEMPERATURE (T<180F)

**Description:** Mikro-Pulsaire Baghouse

**Manufacturer:**

**Model Number:**

**Serial Number:**

**\*\*EU 039: OPERATING CAPACITY AND SCHEDULE \*\***

**Maximum Heat Input Rate:**

**Maximum Incineration Rate:**

**Maximum Process or Throughput Rate:** 300

**Maximum Process or Throughput Rate Units:** TPH DAP/MAP

**Maximum Production Rate:**

**Maximum Process or Throughput Rate Units:**

**Requested Maximum Operating Schedule:** 24 hours/day 7 days/week 52 weeks/year 8760 weeks/year

**Operating Capacity and Schedule Comment:**

**\*\*EU 039: POINT (STACK/VENT) INFORMATION \*\***

**Stack Number:** 39

**Identification of Point on Plot Plan or Flow Diagram?**

**Emission Point Type Code:** 1 - A SINGLE EMISSION POINT SERVING A SINGLE EMISSIONS UNIT

**Discharge Type Code:** H - A STACK DISCHARGING IN A HORIZONTAL, OR NEARLY HORIZONTAL DIRECTION

**Stack Height:** 73 feet

**Exit Diameter:** 2.8 feet

**Exit Temperature:** 77 Fahrenheit

**Actual Volumetric Flow Rate:** 30000 acfm

**Water Vapor:**

**Maximum Dry Standard Flow Rate:**

**Nonstack Emission Point Height:**

**Emission Point UTM Coordinates:**

**Emission Point Latitude:**

**Emission Point Longitude:**

## Emission Point Comment:

**\*\*EU 039: SEGMENT (PROCESS/FUEL) INFORMATION \*\***

**SCC Code:** 30103003  
**Units:** Tons P2O5 Produced  
**Description 1:** Industrial Processes  
**Description 2:** Chemical Manufacturing  
**Description 3:** Ammonium Phosphates  
**Description 4:** Screening/Transfer  
**Is this a Valid Segment?** YES  
**Status:** ACTIVE  
**Segment Description (Process/Fuel Type):** DAP Storage & Loadout  
**Maximum Hourly Rate:**  
**Hourly Rate Limit:** 139.5  
**Maximum Annual Rate:**  
**Annual Rate Limit:** 611010  
**Estimated Annual Activity Factor:**  
**Maximum % Sulfur:**  
**% Sulfur Rate Limit:**  
**Maximum % Ash:**  
**Million Btu per SCC Unit:** 0  
**Segment Comment:** Maximum Hourly Rate: 300 T DAP/hr x 0.465 T P2O5/T DAP =  
139.5 T P2O5/hr Maximum Annual Rate: 1314000 T DAP/yr x 0.465  
T P2O5/T DAP = 611010 TP2O5/yr

**SCC Code:** 30103004  
**Units:** Tons P2O5 Produced  
**Description 1:** Industrial Processes  
**Description 2:** Chemical Manufacturing  
**Description 3:** Ammonium Phosphates  
**Description 4:** Bagging/Handling  
**Is this a Valid Segment?** YES  
**Status:** ACTIVE  
**Segment Description (Process/Fuel Type):** MAP Storage & Loadout  
**Maximum Hourly Rate:**  
**Hourly Rate Limit:** 157.5  
**Maximum Annual Rate:**  
**Annual Rate Limit:** 689850  
**Estimated Annual Activity Factor:**  
**Maximum % Sulfur:**  
**% Sulfur Rate Limit:**  
**Maximum % Ash:**  
**Million Btu per SCC Unit:**  
**Segment Comment:** Maximum Hourly Rate: 300 T MAP/hr x 0.525 T P2O5/T MAP =  
157.5 T P2O5/hr Maximum Annual Rate: 1314000 T MAP/yr x 0.525  
T P2O5/T MAP = 689850 TP2O5/yr

**SCC Code:** 30510597  
**Units:** Tons Material Processed  
**Description 1:** Industrial Processes  
**Description 2:** Mineral Products  
**Description 3:** Bulk Materials Loading Operation  
**Description 4:** Fertilizer: Specify in Comments  
**Is this a Valid Segment?** YES  
**Status:** ACTIVE  
**Segment Description (Process/Fuel Type):** MAP/DAP Storage & Loadout  
**Maximum Hourly Rate:** 300  
**Hourly Rate Limit:** 300  
**Maximum Annual Rate:** 2628000  
**Annual Rate Limit:**  
**Estimated Annual Activity Factor:**  
**Maximum % Sulfur:**  
**% Sulfur Rate Limit:**  
**Maximum % Ash:**

**Million Btu per SCC Unit:**  
**Segment Comment:** Tons of MAP/DAP processed/transferred.

**\*\*EU 039: POLLUTANT INFORMATION \*\***

**Pollutant Code:** PM  
**Pollutant Description:** PARTICULATE MATTER - TOTAL  
**Is this a Valid Pollutant?** YES  
**Status:** ACTIVE  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** EL - EMISSION-LIMITED POLLUTANT  
**Primary Control Device:** FABRIC FILTER LOW TEMPERATURE (T<180F)  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:** 22.7 lb/hour 99.426 tons/year  
**Synthetically Limited?:** NO  
**Emissions Method:** EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.  
**Emission Factor:** 22.7  
**Emission Factor Units:** LB/HR  
**Emission Factor Reference:** Permit Allowable  
**Calculation of Emissions:** 22.7 lbs/hr x 8760 hrs/yr x ton/2000 lb = 99.4 tons/yr  
**Range of Estimated Fugitive Emissions (Lower Limit):** 1  
**Range of Estimated Fugitive Emissions (Upper Limit):** 5  
**Pollutant Comment:** ONLY VE TEST REQUIRED IF OPACITY DOESN'T EXCEED 5%.  
 No test required or baghouse used if oil is applied in sufficient quantity.

**Pollutant Code:** PM10  
**Pollutant Description:** PARTICULATE MATTER - PM10  
**Is this a Valid Pollutant?** YES  
**Status:** ACTIVE  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** EL - EMISSION-LIMITED POLLUTANT  
**Primary Control Device:** FABRIC FILTER LOW TEMPERATURE (T<180F)  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:** 22.7 lb/hour 99.4 tons/year  
**Synthetically Limited?:** NO  
**Emissions Method:** EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.  
**Emission Factor:** 22.7  
**Emission Factor Units:** LB/HR  
**Emission Factor Reference:** 62-296.700(2)(b)  
**Calculation of Emissions:**  
**Range of Estimated Fugitive Emissions (Lower Limit):** 1  
**Range of Estimated Fugitive Emissions (Upper Limit):** 5  
**Pollutant Comment:**

**\*\*EU 039: POLLUTANT ALLOWABLE EMISSIONS INFORMATION \*\***

**Pollutant Code:** PM  
**Pollutant Description:** PARTICULATE MATTER - TOTAL  
**Basis for Allowable Emissions Code:** ESCRACT - REQUESTED BY APPLICANT TO ALLOW FACILITY TO ESCAPE RACT REQUIREMENTS  
**Regulation:**  
**Future Effective Date of Allowable Emissions:** 8/8/2003  
**Allowable Emissions:** 22.7  
**Allowable Emissions Unit:** POUNDS/HOUR  
**Equivalent Allowable Emissions:** 22.7 lb/hour 99.43 tons/year  
**Method of Compliance:** Method 5 only if VE exceeds 5%.  
**Compliance Method Code:** 99 - OTHER

**Compliance Test Frequency:** 0 - NONE REQUIRED  
**Frequency Base Date:**  
**Comment/Description of Operating Method:**

**Pollutant Code:** PM10  
**Pollutant Description:** PARTICULATE MATTER - PM10  
**Basis for Allowable Emissions Code:** ESCRACT - REQUESTED BY APPLICANT TO ALLOW FACILITY TO ESCAPE RACT REQUIREMENTS

**Regulation:**  
**Future Effective Date of Allowable Emissions:**  
**Allowable Emissions:** 22.7  
**Allowable Emissions Unit:** POUNDS/HOUR  
**Equivalent Allowable Emissions:** 22.7 lb/hour 99.43 tons/year  
**Method of Compliance:** Methods 1-5  
**Compliance Method Code:** 1 - STACK TEST  
**Compliance Test Frequency:** 0 - NONE REQUIRED  
**Frequency Base Date:**  
**Comment/Description of Operating Method:**

**\*\*EU 039: VISIBLE EMISSIONS INFORMATION \*\***

**Visible Emissions Subtype:** VE05  
**Basis for Allowable Opacity:** OTHER  
**Regulation:**  
**Requested Allowable Opacity in Normal Conditions:** 005  
**Requested Allowable Opacity in Exceptional Conditions:** 5  
**Maximum Period of Excess Opacity Allowed:** 0  
**Compliance Test Method(s):**  
**Compliance Test Frequency:** 11 - EACH FFY (1 OCT - 30 SEP)  
**Frequency Base Date:** 9/30/1992  
**COM Required?** No  
**Visible Emissions Comment:** 20% OPACITY ALLOWED IF STACK TESTED FOR PARTICULATES. Waive test in each year that permittee submits a statement that oil has been sufficiently applied AND baghouse has not been used since last test.

**\*\*EU 039: CONTINUOUS MONITOR INFORMATION \*\***

\*\*\* NO CONTINUOUS MONITOR INFORMATION FOUND FOR THIS EU \*\*\*

**\*\* EU 039: SUPPLEMENTARY ITEMS \*\***

Supplementary Item	Applicable?	Attachment?
ACID RAIN PART (FORM NO. 62-210.900(1)(a)) Previously submitted? NO Submittal Date:	No	No
ALTERNATIVE METHODS OF OPERATION	No	No
ALTERNATIVE MODES OF OPERATION (EMISSIONS TRADING)	No	No
CERTIFICATE OF REPRESENTATION (EPA FORM NO. 7610-1)	No	No
COMPLIANCE ASSURANCE MONITORING PLAN	No	No
COMPLIANCE DEMONSTRATION REPORTS/RECORDS Previously submitted? YES Submittal Date: Previously Submitted Test Date(s)/Pollutants Tested: To Be submitted? NO Submittal Date: To Be Submitted Test Date(s)/Pollutants Tested:	Yes	Yes
CONTROL TECHNOLOGY REVIEW AND ANALYSIS (RULES 62-212.400(6) and 62-212.500(7), F.A.C.;40 CFR 63.43(d) and (e))	No	No
DESCRIPTION OF STACK SAMPLING FACILITIES	No	No
DETAILED DESCRIPTION OF CONTROL EQUIPMENT Previously submitted? YES Submittal Date:	Yes	Yes
FUEL ANALYSIS OR SPECIFICATION Previously submitted? NO Submittal Date:	No	No

GOOD ENGINEERING PRACTICE STACK HEIGHT ANALYSIS (RULE 62-212.400(5)(h)6., F.A.C., and RULE 62-212.500(4)(f), F.A.C.)	No	No
IDENTIFICATION OF APPLICABLE REQUIREMENTS	Yes	Yes
NEW UNIT EXEMPTION (FORM NO. 62-210.900(1)(a)2.) Previously submitted? NO Submittal Date:	No	No
OPERATION AND MAINTENANCE PLAN Previously submitted? NO Submittal Date:	No	No
OTHER EMISSIONS UNIT INFORMATION	No	No
OTHER INFORMATION REQUIRED BY RULE OR STATUTE	No	No
PHASE II NOx AVERAGING PLAN (FORM NO. 62-210.900(1)(a)5.) Previously submitted? NO Submittal Date:	No	No
PHASE II NOx COMPLIANCE PLAN (FORM NO. 62-210.900(1)(a)4.) Previously submitted? NO Submittal Date:	No	No
PROCEDURES FOR STARTUP AND SHUTDOWN Previously submitted? NO Submittal Date:	No	No
PROCESS FLOW DIAGRAM Previously submitted? YES Submittal Date:	Yes	Yes
REPOWERING EXTENSION PLAN (FORM NO. 62-210.900(1)(a)1.) Previously submitted? NO Submittal Date:	No	No
RETIRED UNIT EXEMPTION (FORM NO. 62-210.900(1)(a)3.) Previously submitted? NO Submittal Date:	No	No

**\*\* EU 039: SUPPLEMENTARY ATTACHMENTS \*\***

Supplementary Item	Electronic?	Attachment Description	Electronic File Name	Uploaded?
COMPLIANCE DEMONSTRATION REPORTS/RECORDS	No	COMPLIANCE REPORT	N/A	N/A
DETAILED DESCRIPTION OF CONTROL EQUIPMENT	No	CONTROL EQUIPMENT	N/A	N/A
IDENTIFICATION OF APPLICABLE REQUIREMENTS	No	APPLICABLE REQUIREMENTS	N/A	N/A
PROCESS FLOW DIAGRAM	No	PROCESS FLOW	N/A	N/A

**\*\* EU 040: DESCRIPTION AND DETAIL INFORMATION \*\***

**Type of EU:** THIS EMISSIONS UNIT INFORMATION SECTION ADDRESSES, AS A SINGLE EMISSIONS UNIT, ONE OR MORE PROCESS OR PRODUCTION UNITS AND ACTIVITIES WHICH PRODUCE FUGITIVE EMISSIONS ONLY.

**EU Description:** FACILITY WIDE FUGITIVE EMISSIONS

**EU Status:** A - ACTIVE

**EU Classification:** U - UNREGULATED EMISSIONS UNIT

**Acid Rain Unit?** No

**CEMS Required?** No

**Ozone SIP Base Year Unit?** No

**Initial Startup Date:**

**Long-term Reserve Shutdown Date:**

**Commence Construction Date:**

**EU Major Group SIC:** 28 - CHEMICALS AND ALLIED PRODUCTS

**EU Type:** 12.02 - FACILITY-WIDE FUGITIVE (NO AOR)

**Package Unit Manufacturer:**

**Generator Nameplate Rating:**

**Incinerator Dwell Temp:**

**Incinerator Dwell Time:**

**Incinerator Afterburner Temp:**

**EU Comment:**

**\*\*EU 040: CONTROL EQUIPMENT/METHOD INFORMATION \*\***

\*\*\* NO CONTROL EQUIPMENT/METHOD(S) FOUND FOR THIS EU \*\*\*

**\*\*EU 040: OPERATING CAPACITY AND SCHEDULE \*\***

**Maximum Heat Input Rate:**

**Maximum Incineration Rate:**

**Maximum Process or Throughput Rate:**

**Maximum Process or Throughput Rate Units:**

**Maximum Production Rate:**

**Maximum Process or Throughput Rate Units:**

**Requested Maximum Operating Schedule:**

**Operating Capacity and Schedule Comment:**

**\*\*EU 040: POINT (STACK/VENT) INFORMATION \*\***

**Stack Number:** 40

**Identification of Point on Plot Plan or Flow Diagram?**

**Emission Point Type Code:** 4 - NO TRUE EMISSION POINT

**Discharge Type Code:** F - FUGITIVE EMISSIONS; NO STACK EXISTS

**Stack Height:**

**Exit Diameter:**

**Exit Temperature:**

**Actual Volumetric Flow Rate:**

**Water Vapor:**

**Maximum Dry Standard Flow Rate:**

**Nonstack Emission Point Height:** 10 feet

**Emission Point UTM Coordinates:**

**Emission Point Latitude:**

**Emission Point Longitude:**

**Emission Point Comment:**

**\*\*EU 040: SEGMENT (PROCESS/FUEL) INFORMATION \*\***

**SCC Code:** 30199999

**Units:** Tons Product Produced

**Description 1:** Industrial Processes

**Description 2:** Chemical Manufacturing



**Description 3:** Other Not Classified

**Description 4:** Specify in Comments Field

**Is this a Valid Segment?** YES

**Status:** ACTIVE

**Segment Description (Process/Fuel Type):** Chemical Manufacturing - Others Not Classified.

**Maximum Hourly Rate:**

**Hourly Rate Limit:**

**Maximum Annual Rate:**

**Annual Rate Limit:**

**Estimated Annual Activity Factor:**

**Maximum % Sulfur:**

**% Sulfur Rate Limit:**

**Maximum % Ash:**

**Million Btu per SCC Unit:**

**Segment Comment:** Fugitive & Unregulated Emissions Units. Operation rates vary with activity.

**\*\*EU 040: POLLUTANT INFORMATION \*\***

**Pollutant Code:** CO

**Pollutant Description:** CARBON MONOXIDE

**Is this a Valid Pollutant?** YES

**Status:** ACTIVE

**Include in the Facility Emissions Cap?** NO

**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

**Primary Control Device:**

**Secondary Control Device:**

**Total % Efficiency of Control:**

**Potential Emissions:**

**Synthetically Limited?:**

**Emissions Method:**

**Emission Factor:**

**Emission Factor Units:**

**Emission Factor Reference:**

**Calculation of Emissions:**

**Range of Estimated Fugitive Emissions (Lower Limit):**

**Range of Estimated Fugitive Emissions (Upper Limit):**

**Pollutant Comment:**

**Pollutant Code:** NH3

**Pollutant Description:** AMMONIA

**Is this a Valid Pollutant?** YES

**Status:** ACTIVE

**Include in the Facility Emissions Cap?** NO

**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

**Primary Control Device:**

**Secondary Control Device:**

**Total % Efficiency of Control:**

**Potential Emissions:**

**Synthetically Limited?:**

**Emissions Method:**

**Emission Factor:**

**Emission Factor Units:**

**Emission Factor Reference:**

**Calculation of Emissions:**

**Range of Estimated Fugitive Emissions (Lower Limit):**

**Range of Estimated Fugitive Emissions (Upper Limit):**

**Pollutant Comment:**

**Pollutant Code:** NOX

**Pollutant Description:** NITROGEN OXIDES

**Is this a Valid Pollutant?** YES

**Status:** ACTIVE  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE  
**Primary Control Device:**  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:**  
**Synthetically Limited?:**  
**Emissions Method:**  
**Emission Factor:**  
**Emission Factor Units:**  
**Emission Factor Reference:**  
**Calculation of Emissions:**  
**Range of Estimated Fugitive Emissions (Lower Limit):**  
**Range of Estimated Fugitive Emissions (Upper Limit):**  
**Pollutant Comment:**

**Pollutant Code:** PM  
**Pollutant Description:** PARTICULATE MATTER - TOTAL  
**Is this a Valid Pollutant?** YES  
**Status:** ACTIVE  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE  
**Primary Control Device:**  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:**  
**Synthetically Limited?:**  
**Emissions Method:**  
**Emission Factor:**  
**Emission Factor Units:**  
**Emission Factor Reference:**  
**Calculation of Emissions:**  
**Range of Estimated Fugitive Emissions (Lower Limit):**  
**Range of Estimated Fugitive Emissions (Upper Limit):**  
**Pollutant Comment:**

**Pollutant Code:** PM10  
**Pollutant Description:** PARTICULATE MATTER - PM10  
**Is this a Valid Pollutant?** YES  
**Status:** ACTIVE  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE  
**Primary Control Device:**  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:**  
**Synthetically Limited?:**  
**Emissions Method:**  
**Emission Factor:**  
**Emission Factor Units:**  
**Emission Factor Reference:**  
**Calculation of Emissions:**  
**Range of Estimated Fugitive Emissions (Lower Limit):**  
**Range of Estimated Fugitive Emissions (Upper Limit):**  
**Pollutant Comment:**

**Pollutant Code:** SO2  
**Pollutant Description:** SULFUR DIOXIDE  
**Is this a Valid Pollutant?** YES  
**Status:** ACTIVE  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO

WORK PRACTICE

Primary Control Device:  
 Secondary Control Device:  
 Total % Efficiency of Control:  
 Potential Emissions:  
 Synthetically Limited?:  
 Emissions Method:  
 Emission Factor:  
 Emission Factor Units:  
 Emission Factor Reference:  
 Calculation of Emissions:

Range of Estimated Fugitive Emissions (Lower Limit):  
 Range of Estimated Fugitive Emissions (Upper Limit):  
 Pollutant Comment:

Pollutant Code: VOC  
 Pollutant Description: VOLATILE ORGANIC COMPOUNDS  
 Is this a Valid Pollutant? YES  
 Status: ACTIVE  
 Include in the Facility Emissions Cap? NO  
 Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:  
 Secondary Control Device:  
 Total % Efficiency of Control:  
 Potential Emissions:  
 Synthetically Limited?:  
 Emissions Method:  
 Emission Factor:  
 Emission Factor Units:  
 Emission Factor Reference:  
 Calculation of Emissions:

Range of Estimated Fugitive Emissions (Lower Limit):  
 Range of Estimated Fugitive Emissions (Upper Limit):  
 Pollutant Comment:

**\*\*EU 040: POLLUTANT ALLOWABLE EMISSIONS INFORMATION \*\***

\*\*\* NO POLLUTANT ALLOWABLE EMISSIONS INFORMATION FOUND FOR THIS EU \*\*\*

**\*\*EU 040: VISIBLE EMISSIONS INFORMATION \*\***

\*\*\* NO VISIBLE EMISSIONS INFORMATION FOUND FOR THIS EU \*\*\*

**\*\*EU 040: CONTINUOUS MONITOR INFORMATION \*\***

\*\*\* NO CONTINUOUS MONITOR INFORMATION FOUND FOR THIS EU \*\*\*

**\*\* EU 040: SUPPLEMENTARY ITEMS \*\***

Supplementary Item	Applicable?	Attachment?
ACID RAIN PART (FORM NO. 62-210.900(1)(a)) Previously submitted? NO Submittal Date:	No	No
ALTERNATIVE METHODS OF OPERATION	No	No
ALTERNATIVE MODES OF OPERATION (EMISSIONS TRADING)	No	No
CERTIFICATE OF REPRESENTATION (EPA FORM NO. 7610-1)	No	No
COMPLIANCE ASSURANCE MONITORING PLAN	No	No

COMPLIANCE DEMONSTRATION REPORTS/RECORDS		
Previously submitted? NO Submittal Date: Previously Submitted Test Date(s)/Pollutants Tested: To Be submitted? NO Submittal Date: To Be Submitted Test Date(s)/Pollutants Tested:	No	No
CONTROL TECHNOLOGY REVIEW AND ANALYSIS (RULES 62-212.400(6) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e))	No	No
DESCRIPTION OF STACK SAMPLING FACILITIES	No	No
DETAILED DESCRIPTION OF CONTROL EQUIPMENT	No	No
Previously submitted? NO Submittal Date:	No	No
FUEL ANALYSIS OR SPECIFICATION	No	No
Previously submitted? NO Submittal Date:	No	No
GOOD ENGINEERING PRACTICE STACK HEIGHT ANALYSIS (RULE 62-212.400(5)(h)6., F.A.C., and RULE 62-212.500(4)(f), F.A.C.)	No	No
IDENTIFICATION OF APPLICABLE REQUIREMENTS	No	No
NEW UNIT EXEMPTION (FORM NO. 62-210.900(1)(a)2.)	No	No
Previously submitted? NO Submittal Date:	No	No
OPERATION AND MAINTENANCE PLAN	No	No
Previously submitted? NO Submittal Date:	No	No
OTHER EMISSIONS UNIT INFORMATION	No	No
OTHER INFORMATION REQUIRED BY RULE OR STATUTE	No	No
PHASE II NOx AVERAGING PLAN (FORM NO. 62-210.900(1)(a)5.)	No	No
Previously submitted? NO Submittal Date:	No	No
PHASE II NOx COMPLIANCE PLAN (FORM NO. 62-210.900(1)(a)4.)	No	No
Previously submitted? NO Submittal Date:	No	No
PROCEDURES FOR STARTUP AND SHUTDOWN	No	No
Previously submitted? NO Submittal Date:	No	No
PROCESS FLOW DIAGRAM	No	No
Previously submitted? NO Submittal Date:	No	No
REPOWERING EXTENSION PLAN (FORM NO. 62-210.900(1)(a)1.)	No	No
Previously submitted? NO Submittal Date:	No	No
RETIRED UNIT EXEMPTION (FORM NO. 62-210.900(1)(a)3.)	No	No
Previously submitted? NO Submittal Date:	No	No

\*\*\* No Emissions Unit Supplemental Attachments Found \*\*\*

\*\*\*\*\*

**PROFESSIONAL ENGINEER CERTIFICATION:**

I hereby certify, except as particularly noted herein\*, that:

- (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
- (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.
- (3) If the purpose of this application is to obtain a Title V air operation permit (check here , 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.
- (4) If the purpose of this application is to obtain an air construction permit (check here , 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 , 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.
- (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 , 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.

Professional Engineer Name: JOHN KOGLER  
Professional Engineer Registration Number:  
Date Professional Engineer Submitted: 11/6/2003

**RESPONSIBLE OFFICIAL CERTIFICATION:**

By entering my PIN to submit this application, I certify that I 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.

Responsible Official Name: PHONG VO  
Date Responsible Official Submitted: 11/7/2003

**\*\*\* End of Applicant's Summary Report \*\*\***



**Purpose of Application**

**Air Operation Permit Application**

This Application for Air Permit is submitted to obtain: (Check one)

Initial Title V air operation permit for an existing facility which is classified as a Title V source.

Initial Title V air operation permit for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.

Current construction permit number: \_\_\_\_\_

Title V air operation permit revision to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number: \_\_\_\_\_.

Operation permit number to be revised: \_\_\_\_\_.

Title V air operation permit revision or administrative correction to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. (Also check Air Construction Permit Application below.)

Operation permit number to be revised/corrected: \_\_\_\_\_

Title V air operation permit revision for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal.

Operation permit number to be revised: 1050050-012-AV

Reason for revision: Renewal

**Air Construction Permit Application**

This Application for Air Permit is submitted to obtain: (Check one)

Air construction permit to construct or modify one or more emissions units.

Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.

Air construction permit for one or more existing, but unpermitted, emissions units.

**Owner/Authorized Representative or Responsible Official**

1. Name and Title of Owner/Authorized Representative or Responsible Official: <b>Phong T. Vo, General Manager of Engineering and Technical Services</b>
2. Owner/Authorized Representative or Responsible Official Mailing Address: Organization/Firm: <b>US Agri-Chemicals</b> Street Address: <b>3225 State Road 630 West</b> City: <b>Ft. Meade</b> State: <b>FL</b> Zip Code: <b>33841-9799</b>
3. Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: <b>(863 ) 285-8121</b> Fax: <b>(863 ) 285-7088</b>
4. Owner/Authorized Representative or Responsible Official Statement: <i>I, the undersigned, am the owner or authorized representative*(check here [ ], if so) or the responsible official (check here [X], if so) of the Title V source addressed in this application, whichever is applicable. 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. 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 any permitted emissions unit.</i>  Signature <u>Phong T. Vo</u> Date <u>2/27/03</u>

\* Attach letter of authorization if not currently on file.

**Professional Engineer Certification**

1. Professional Engineer Name: <b>John B. Koogler, Ph.D., P.E.</b> Registration Number: <b>12925</b>
2. Professional Engineer Mailing Address: Organization/Firm: <b>Koogler and Associates</b> Street Address: <b>4014 NW 13th Street</b> City: <b>Gainesville</b> State: <b>FL</b> Zip Code: <b>32609</b>
3. Professional Engineer Telephone Numbers: Telephone: <b>(352 ) 377-5822</b> Fax: <b>(352 ) 377-7158</b>



4. Professional Engineer Statement:

*I, the undersigned, hereby certify, except as particularly noted herein\*, that:*

*(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*

*(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.*

*If the purpose of this application is to obtain a Title V source air operation permit (check here [ ], 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 schedule is submitted with this application.*

*If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [ ], 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.*

*If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [ X], 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.*

Signature

Date

(seal)

2120103

\* Attach any exception to certification statement (see Page 6).



**Construction/Modification Information**

1. Description of Proposed Project or Alterations:

NA

2. Projected or Actual Date of Commencement of Construction:

3. Projected Date of Completion of Construction:

**Application Comment**

**The format of this permit renewal application is based on previous TV permit renewal application submittals to FDEP.**



**Facility Regulatory Classifications**

**Check all that apply:**

1. <input type="checkbox"/> Small Business Stationary Source?	<input type="checkbox"/> Unknown
2. <input checked="" type="checkbox"/> Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)?	
3. <input type="checkbox"/> Synthetic Minor Source of Pollutants Other than HAPs?	
4. <input type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)?	
5. <input type="checkbox"/> Synthetic Minor Source of HAPs?	
6. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS?	
7. <input type="checkbox"/> One or More Emission Units Subject to NESHAP?	
8. <input type="checkbox"/> Title V Source by EPA Designation?	
9. Facility Regulatory Classifications Comment (limit to 200 characters):	

**List of Applicable Regulations**

<b>DEP TITLE V CORE LIST</b>	
<b>40 CFR 60</b>	
<b>FAC RULES 62-4, 204, 210, 212, 213, 296, 297</b>	

## B. FACILITY POLLUTANTS

### List of Pollutants Emitted

1. Pollutant Emitted	2. Pollutant Classif.	3. Requested Emissions Cap		4. Basis for Emissions Cap	5. Pollutant Comment
		lb/hour	tons/year		
SO2	B				
FL	B				
PM/PM10	A				
NOx	B				

### C. FACILITY SUPPLEMENTAL INFORMATION

#### Supplemental Requirements

1. Area Map Showing Facility Location: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
2. Facility Plot Plan: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
3. Process Flow Diagram(s): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
5. Fugitive Emissions Identification: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
6. Supplemental Information for Construction Permit Application: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Supplemental Requirements Comment: <b>Previously submitted.</b>

**Additional Supplemental Requirements for Title V Air Operation Permit Applications**

8. List of Proposed Insignificant Activities: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. List of Equipment/Activities Regulated under Title VI: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Equipment/Activities On site but Not Required to be Individually Listed <input checked="" type="checkbox"/> Not Applicable
10. Alternative Methods of Operation: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Identification of Additional Applicable Requirements: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Risk Management Plan Verification: <input checked="" type="checkbox"/> Plan previously submitted to Chemical Emergency Preparedness and Prevention Office (CEPPO). Verification of submittal attached (Document ID: <u>100000145871</u> ) or previously submitted to DEP (Date and DEP Office: _____) <input type="checkbox"/> Plan to be submitted to CEPPO (Date required: _____) <input type="checkbox"/> Not Applicable
14. Compliance Report and Plan: <input checked="" type="checkbox"/> Attached, Document ID: <u>See Note*</u> <input type="checkbox"/> Not Applicable
15. Compliance Certification (Hard-copy Required): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

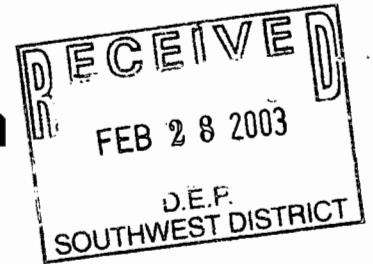
**\*Assurance of compliance with the permit conditions will be determined as presently required. Additional measures can be implemented, as deemed necessary, after due consideration of the operations of the subject source, subsequent to discussion with FDEP.**





# Department of Environmental Protection

## Division of Air Resources Management



### APPLICATION FOR AIR PERMIT - TITLE V SOURCE

See Instructions for Form No. 62-210.900(1)

#### I. APPLICATION INFORMATION

##### Identification of Facility

1. Facility Owner/Company Name: <b>US Agri-Chemicals Corporation</b>	
2. Site Name: <b>Bartow Chemical Plant</b>	
3. Facility Identification Number: <b>1050050</b> [    ] Unknown	
4. Facility Location: Street Address or Other Locator: <b>SR 60, 2 miles W. of Bartow</b> City: <b>Bartow</b> County: <b>Polk</b> Zip Code: <b>33830</b>	
5. Relocatable Facility? [    ] Yes      [ <b>X</b> ] No	6. Existing Permitted Facility? [ <b>X</b> ] Yes      [    ] No

##### Application Contact

1. Name and Title of Application Contact: <b>Pradeep Raval, Consultant</b>	
2. Application Contact Mailing Address: Organization/Firm: <b>Koogler &amp; Associates</b> Street Address: <b>4014 NW 13<sup>th</sup> Street</b> City: <b>Gainesville</b> State: <b>FL</b> Zip Code: <b>32609</b>	
3. Application Contact Telephone Numbers: Telephone: <b>(352 ) 377-5822</b> Fax: <b>(352 ) 377-7158</b>	

##### Application Processing Information (DEP Use)

1. Date of Receipt of Application:	<b>2-28-03</b>
2. Permit Number:	
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

**Purpose of Application**

**Air Operation Permit Application**

This Application for Air Permit is submitted to obtain: (Check one)

Initial Title V air operation permit for an existing facility which is classified as a Title V source.

Initial Title V air operation permit for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.

Current construction permit number: \_\_\_\_\_

Title V air operation permit revision to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number: \_\_\_\_\_.

Operation permit number to be revised: \_\_\_\_\_.

Title V air operation permit revision or administrative correction to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. (Also check Air Construction Permit Application below.)

Operation permit number to be revised/corrected: \_\_\_\_\_

Title V air operation permit revision for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal.

Operation permit number to be revised: 1050050-012-AV

Reason for revision: Renewal

**Air Construction Permit Application**

This Application for Air Permit is submitted to obtain: (Check one)

Air construction permit to construct or modify one or more emissions units.

Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.

Air construction permit for one or more existing, but unpermitted, emissions units.

**Owner/Authorized Representative or Responsible Official**

1. Name and Title of Owner/Authorized Representative or Responsible Official: <b>Phong T. Vo, General Manager of Engineering and Technical Services</b>
2. Owner/Authorized Representative or Responsible Official Mailing Address: Organization/Firm: <b>US Agri-Chemicals</b> Street Address: <b>3225 State Road 630 West</b> City: <b>Ft. Meade</b> State: <b>FL</b> Zip Code: <b>33841-9799</b>
3. Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: <b>(863 ) 285-8121</b> Fax: <b>(863 ) 285-7088</b>
4. Owner/Authorized Representative or Responsible Official Statement: <i>I, the undersigned, am the owner or authorized representative *(check here [ ], if so) or the responsible official (check here [X], if so) of the Title V source addressed in this application, whichever is applicable. 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. 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 any permitted emissions unit.</i>  Signature <u>Phong T. Vo</u> Date <u>2/27/03</u>

\* Attach letter of authorization if not currently on file.

**Professional Engineer Certification**

1. Professional Engineer Name: <b>John B. Koogler, Ph.D., P.E.</b> Registration Number: <b>12925</b>
2. Professional Engineer Mailing Address: Organization/Firm: <b>Koogler and Associates</b> Street Address: <b>4014 NW 13th Street</b> City: <b>Gainesville</b> State: <b>FL</b> Zip Code: <b>32609</b>
3. Professional Engineer Telephone Numbers: Telephone: <b>(352 ) 377-5822</b> Fax: <b>(352 ) 377-7158</b>

4. Professional Engineer Statement:

*I, the undersigned, hereby certify, except as particularly noted herein\*, that:*

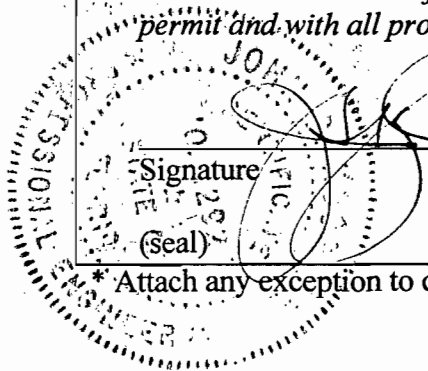
*(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and*

*(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.*

*If the purpose of this application is to obtain a Title V source air operation permit (check here [ ], 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 schedule is submitted with this application.*

*If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [ ], 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.*

*If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [ X], 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.*



Signature

(Seal)

2120103  
Date

\* Attach any exception to certification statement (see Page 6).



**Construction/Modification Information**

1. Description of Proposed Project or Alterations:

NA

2. Projected or Actual Date of Commencement of Construction:

3. Projected Date of Completion of Construction:

**Application Comment**

**The format of this permit renewal application is based on previous TV permit renewal application submittals to FDEP.**



**Facility Regulatory Classifications**

**Check all that apply:**

1. <input type="checkbox"/> Small Business Stationary Source?	<input type="checkbox"/> Unknown
2. <input checked="" type="checkbox"/> Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)?	
3. <input type="checkbox"/> Synthetic Minor Source of Pollutants Other than HAPs?	
4. <input type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)?	
5. <input type="checkbox"/> Synthetic Minor Source of HAPs?	
6. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS?	
7. <input type="checkbox"/> One or More Emission Units Subject to NESHAP?	
8. <input type="checkbox"/> Title V Source by EPA Designation?	
9. Facility Regulatory Classifications Comment (limit to 200 characters):	

**List of Applicable Regulations**

<b>DEP TITLE V CORE LIST</b>	
<b>40 CFR 60</b>	
<b>FAC RULES 62-4, 204, 210, 212, 213, 296, 297</b>	



## B. FACILITY POLLUTANTS

### List of Pollutants Emitted

1. Pollutant Emitted	2. Pollutant Classif.	3. Requested Emissions Cap		4. Basis for Emissions Cap	5. Pollutant Comment
		lb/hour	tons/year		
SO <sub>2</sub>	B				
FL	B				
PM/PM <sub>10</sub>	A				
NO <sub>x</sub>	B				

### C. FACILITY SUPPLEMENTAL INFORMATION

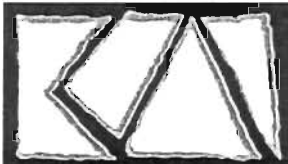
#### Supplemental Requirements

1. Area Map Showing Facility Location: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
2. Facility Plot Plan: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
3. Process Flow Diagram(s): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
5. Fugitive Emissions Identification: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
6. Supplemental Information for Construction Permit Application: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Supplemental Requirements Comment: <b>Previously submitted.</b>

**Additional Supplemental Requirements for Title V Air Operation Permit Applications**

8. List of Proposed Insignificant Activities: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. List of Equipment/Activities Regulated under Title VI: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Equipment/Activities On site but Not Required to be Individually Listed <input checked="" type="checkbox"/> Not Applicable
10. Alternative Methods of Operation: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Identification of Additional Applicable Requirements: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Risk Management Plan Verification: <input checked="" type="checkbox"/> Plan previously submitted to Chemical Emergency Preparedness and Prevention Office (CEPPO). Verification of submittal attached (Document ID: <u>100000145871</u> ) or previously submitted to DEP (Date and DEP Office: _____) <input type="checkbox"/> Plan to be submitted to CEPPO (Date required: _____) <input type="checkbox"/> Not Applicable
14. Compliance Report and Plan: <input checked="" type="checkbox"/> Attached, Document ID: <u>See Note*</u> <input type="checkbox"/> Not Applicable
15. Compliance Certification (Hard-copy Required): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

**\*Assurance of compliance with the permit conditions will be determined as presently required. Additional measures can be implemented, as deemed necessary, after due consideration of the operations of the subject source, subsequent to discussion with FDEP.**

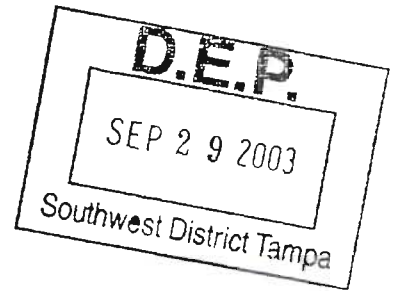


**KOOGLER & ASSOCIATES**  
ENVIRONMENTAL SERVICES

4014 NW THIRTEENTH STREET  
GAINESVILLE, FLORIDA 32609  
352/377-5822 ■ FAX/377-7158

KA 173-02-03

September 24, 2003



Need RO cert  
to Bartow  
only locat

No original PE

Mr. Jason Waters  
Florida Department of  
Environmental Protection  
Southwest District Office  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

Subject: Additional Information on Title V Permit Renewal  
US Agri-Chemicals Corp  
Facility IDs 1050050 and 1050051  
Bartow and Ft. Meade Chemical Plants

Dear Mr. Waters:

This is a follow up to my conversation with you yesterday regarding submittal of additional information on the above referenced projects.

As indicated to you, I am hereby submitting the summary of the application on the new form to be submitted electronically with the information requested. Per our conversation, some of the attachments, including discussion on the CAM and MACT applicability, will be submitted later. I appreciate your understanding and patience as we work with the new and rather sensitive electronic application format. The PE signature page is enclosed. A copy of the R.O Certification and the Compliance Certification pages are enclosed and the originals are being submitted by USAC directly to you.

If you have any questions, please call me.

US Agrichem  
Bartow  
1050050

Very truly yours,

KOOGLER & ASSOCIATES

Pradeep Raval

Par.

Encl.

C: R. Brunk, USAC



# Department of Environmental Protection

## Division of Air Resources Management

### STATEMENT OF COMPLIANCE - TITLE V SOURCE



Facility Owner/Company Name: US Agri-Chemicals Corp

Site Name: Bartow Chemical Plant

County: Polk

Title V Air Operation Permit No.: 1050050-012-AV

REPORTING PERIOD	REPORT DEADLINE*
Jan 1 through Dec 31 of 2002 (year)	Permit Renewal

\*See Rule 62-213.440(3)(a)2, F.A.C.

#### COMPLIANCE STATEMENT (Check only one of the following three options)

A. This facility was in compliance with all terms and conditions of the Title V Air Operation Permit and, if applicable, the Acid Rain Part, and there were no reportable incidents of deviations from applicable requirements associated with any malfunction or breakdown of process, fuel burning or emission control equipment, or monitoring systems during the reporting period identified above.

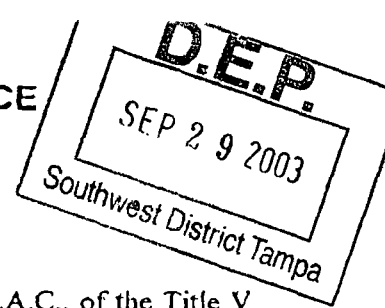
B. This facility was in compliance with all terms and conditions of the Title V Air Operation Permit and, if applicable, the Acid Rain Part; however, there were one or more reportable incidents of deviations from applicable requirements associated with malfunctions or breakdowns of process, fuel burning or emission control equipment, or monitoring systems during the reporting period identified above, which were reported to the Department. For each incident of deviation, the following information is included under separate cover:

1. Date of report previously submitted identifying the incident of deviation: *March 21, 2003*
2. Description of the incident: *see report*

C. This facility was in compliance with all terms and conditions of the Title V Air Operation Permit and, if applicable, the Acid Rain Part, EXCEPT those identified in the pages attached to this report. For each item of noncompliance, the following information is included:

1. Emissions unit identification number.
2. Specific permit condition number.
3. Description of the requirement of the permit condition.
4. Basis for the determination of noncompliance (for monitored parameters, indicate whether monitoring was continuous, i.e., recorded at least every 15 minutes, or intermittent).
5. Beginning and ending dates of periods of noncompliance.
6. Identification of the probable cause of noncompliance and description of corrective action or preventative measures implemented.
7. Dates of any reports previously submitted identifying this incident of noncompliance.

Best Available Copy  
STATEMENT OF COMPLIANCE - TITLE V SOURCE



**RESPONSIBLE OFFICIAL CERTIFICATION**

I, the undersigned, am the responsible official as defined in Chapter 62-210.200, F.A.C., of the Title V source for which this document is being submitted. With respect to all matters other than Acid Rain program requirements, I hereby certify, based on the information and belief formed after reasonable inquiry, that the statements made and data contained in this document are true, accurate, and complete.

Phong T. Vo  
(Signature of Title V Source Responsible Official)

9/23/03  
(Date)

Name: Phong T. Vo Title: General Manager, Engineering and Technical Services

**DESIGNATED REPRESENTATIVE CERTIFICATION** (only applicable to Acid Rain source)

I, the undersigned, am authorized to make this submission on behalf of the owners and operators of the Acid Rain source or Acid Rain units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

\_\_\_\_\_  
(Signature of Acid Rain Source Designated Representative)

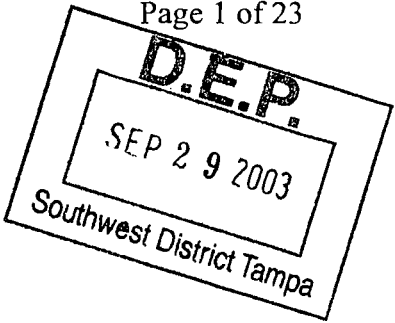
\_\_\_\_\_  
(Date)

Name: \_\_\_\_\_

Title: \_\_\_\_\_

*{Note: Attachments, if required, are created by the responsible official or the designated representative, as appropriate, and should consist of the information specified and any supporting records. Additional information may also be attached by the responsible official or designated representative when elaboration is required for clarity. This report is to be submitted to both the compliance authority (DEP district or local air program) and the U.S. EPA (U.S. EPA Region 4, Air and EPCRA Enforcement Branch, 61 Forsyth Street, Atlanta GA 30303).}*

**APPLICATION SUMMARY REPORT**  
9/23/2003 8:01:36 PM



**FACILITY: U S AGRI-CHEMICALS CORP. (#1050050)**  
**APPLICATION: USAC-BARTOW (#201-1)**

**\*\*\*\*\* APPLICATION SECTION \*\*\*\*\***

**\*\* APPLICATION IDENTIFICATION INFORMATION \*\***

**Application Number:** 201-1  
**Application Name:** USAC-BARTOW  
**Purpose of Application:** TITLE V AIR OPERATION PERMIT RENEWAL.  
**Application Comment:**

**Are you requesting a multi-unit or facility-wide emissions cap for one or more pollutants?** NO

**\*\* SCOPE OF APPLICATION \*\***

EU ID	Description	Permit Type	Processing Fee
038	150 TPH MAP/DAP PLANT(79 TPH P2O5 INPUT)	AV05	\$0.00
039	DAP/MAP STORAGE AND LOADING	AV05	\$0.00
040	FACILITY WDE FUGITIVE EMISSIONS	AV05	\$0.00
<b>Total Processing Fee:</b>			<b>\$0.00</b>

**\*\* APPLICATION CONTACT INFORMATION \*\***

**First Name:** PRADEEP  
**Last Name:** RAVAL  
**Job Title:** CONSULTANT  
**Name of Organization/Firm:** KOOGLER & ASSOCIATES  
**Street Address:** 4014 NW 13TH STREET  
**City:** GAINESVILLE  
**State:** FL  
**Zip:** 32609  
**Telephone:** 352 - 377 - 5822  
**Fax:** 352 - 377 - 7158  
**E-mail:** PRAVAL@YAHOO.COM

**\*\* OWNER/AUTHORIZED REPRESENTATIVE INFORMATION \*\***

**First Name:**  
**Last Name:**  
**Job Title:**  
**Name of Organization/Firm:**  
**Street Address:**  
**City:**  
**State:**  
**Zip:**  
**Telephone:**  
**Fax:**  
**E-mail:**

**\*\* RESPONSIBLE OFFICIAL INFORMATION \*\***

\*\*\* NO RESPONSIBLE OFFICIAL INFORMATION FOUND \*\*\*

**\*\* PROFESSIONAL ENGINEER INFORMATION \*\***

**First Name:**  
**Last Name:**  
**Job Title:**  
**Name of Organization/Firm:**  
**Registration Number:**  
**Street Address:**  
**City:**  
**State:**  
**Zip:**  
**Telephone:**  
**Fax:**  
**E-mail:**



**FACILITY: U S AGRI-CHEMICALS CORP. (#1050050)**  
**APPLICATION: USAC-BARTOW (#201-1)**

**\*\*\*\*\* FACILITY SECTION \*\*\*\*\***

**\*\* FACILITY IDENTIFICATION INFORMATION \*\***

**Owner/Company Name:** U S AGRI-CHEMICALS CORP.  
**Site Name:** POLK  
**Description of Location:** HWY 60 WEST  
**Street Address:** HWY 60 WEST  
**City:** BARTOW  
**County:** POLK  
**ZIP:** 33830  
**Relocatable:** NO  
**Facility Status:** A - ACTIVE  
**Comment:**

**\*\* FACILITY LOCATION AND TYPE \*\***

**Facility UTM Coordinates:** Zone: 17 East(km): 413.2 North(km): 3086.3  
**Facility Latitude:** Degrees: 27 Minutes: 54 Seconds: 1  
**Facility Longitude:** Degrees: 81 Minutes: 52 Seconds: 55  
**Facility SIC Codes:** **Primary:** 2874 - CHEMICALS AND ALLIED PRODUCTS  
 AGRICULTURAL CHEMICALS  
 PHOSPHATIC FERTILIZERS  
**Governmental Facility Code:** 0 - NONE (NON-GOVERNMENTAL FACILITY)  
**Facility Major Group SIC:** 28 - CHEMICALS AND ALLIED PRODUCTS

**\*\* FACILITY CONTACT INFORMATION \*\***

**First Name:** RONALD  
**Last Name:** BRUNK  
**Job Title:** MANAGER, ENVIRONMENTAL ENGINEERING  
**Name of Organization/Firm:** U.S. AGRI-CHEMICALS  
**Street Address:** 3225 STATE ROAD 630 WEST  
**City:** FT MEADE  
**State:** FL  
**Zip:** 33841 - 9778  
**Telephone:** 863 - 285 - 8121  
**Fax:** 863 - 285 - 9779  
**E-mail:**

**\*\* FACILITY REGULATORY CLASSIFICATIONS \*\***

**Small Business Stationary Source:** Not Applicable  
**Synthetic Non-Title V Source:** No  
**Title V Source:** Yes  
**Major Source of Air Pollutants Other than Hazardous Air Pollutants (HAPs):** Yes  
**Synthetic Minor Source of Air Pollutants Other than Hazardous Air Pollutants (HAPs):** No  
**Major Source of Hazardous Air Pollutants (HAPs):** No  
**Synthetic Minor Source of HAPs:** No  
**One or More Emission Units Subject to NSPS (40 CFR Part 60):** Yes  
**One or More Emission Units Subject to Emission Guidelines (40 CFR Part 60):** No  
**One or More Emission Units Subject to NESHAP (40 CFR Part 61 or Part 63):** No  
**Title V Source by EPA Designation (40 CFR 70.3(a)(5)):** No  
**Facility Regulatory Classifications Comment:**

<b>** FACILITY POLLUTANT INFORMATION **</b>			
Code	Description	Class.	Comment
CO	Carbon Monoxide	B	
FL	Fluorides - Total (elemental fluorine and fluoride compounds)	B	
NH3	Ammonia	C	
NOX	Nitrogen Oxides	B	
PM	Particulate Matter - Total	A	
PM10	Particulate Matter - PM10	B	
SAM	Sulfuric Acid Mist	B	
SO2	Sulfur Dioxide	B	
VOC	Volatile Organic Compounds	B	

<b>** FACILITY ADDITIONAL INFORMATION **</b>		
Description	Applicable?	Attachment?
AREA MAP SHOWING FACILITY LOCATION	No	No
FACILITY PLOT PLAN Previously submitted? YES Submittal Date:	No	No
PROCESS FLOW DIAGRAM(s) Previously submitted? YES Submittal Date:	No	No
PRECAUTIONS TO PREVENT EMISSIONS OF UNCONFINED PARTICULATE MATTER Previously submitted? YES Submittal Date:	No	No
LIST OF EXEMPT EMISSIONS UNITS (RULE 62-210.300(3)(a) or (b)1.,F.A.C.)	No	No
LIST OF INSIGNIFICANT ACTIVITIES	Yes	Yes
IDENTIFICATION OF APPLICABLE REQUIREMENTS	Yes	Yes
COMPLIANCE REPORT AND PLAN	Yes	Yes
LIST OF EQUIPMENT/ACTIVITIES REGULATED UNDER TITLE VI Equipment/Activities On Site but Not Required to be Individually Listed? NO	No	No
VERIFICATION OF RISK MANAGEMENT PLAN SUBMISSION TO EPA	No	No
REQUESTED CHANGES TO CURRENT TITLE V AIR OPERATION PERMIT	No	No
DESCRIPTION OF PROPOSED CONSTRUCTION OR MODIFICATION	No	No
RULE APPLICABILITY ANALYSIS	No	No
LIST OF EXEMPT EMISSIONS UNITS (RULE 62-210.300(3)(a) or (b)1.,F.A.C.)	No	No
FUGITIVE EMISSIONS IDENTIFICATION (RULE 62-212.400(2),F.A.C.)	No	No
PRECONSTRUCTION AIR QUALITY MONITORING AND ANALYSIS (RULE 62-212.400(5)(f),F.A.C.)	No	No
AMBIENT IMPACT ANALYSIS (RULE 62-212.400(5)(D),F.A.C.)	No	No
AIR QUALITY IMPACT SINCE 1977 (RULE 62-212.400(5)(h)5.,F.A.C.)	No	No
ADDITIONAL IMPACT ANALYSES (RULES 62-212.400(5)(e)1. and 62-212.500(4)(e),F.A.C.)	No	No
ALTERNATIVE ANALYSIS REQUIREMENTS (RULE 62-212.500(4)(g),F.A.C.)	No	No
OTHER FACILITY INFORMATION	No	No

<b>** FACILITY ATTACHMENTS **</b>				
Description	Electronic?	Attachment Description	Electronic File Name	Uploaded?
COMPLIANCE REPORT AND PLAN	No	COMPLIANCE REPORT	N/A	N/A
IDENTIFICATION OF		APPLICABLE		

APPLICABLE REQUIREMENTS	No	REQUIREMENTS	N/A	N/A
LIST OF INSIGNIFICANT ACTIVITIES	No	INSIGNIFICANT ACTIVITIES	N/A	N/A

**FACILITY: U S AGRI-CHEMICALS CORP. (#1050050)**

**APPLICATION: USAC-BARTOW (#201-1)**

**\*\*\*\*\* EMISSIONS UNIT SECTION \*\*\*\*\***

**\*\* EU 038: DESCRIPTION AND DETAIL INFORMATION \*\***

**Type of EU:** THIS EMISSIONS UNIT INFORMATION SECTION ADDRESSES, AS A SINGLE EMISSIONS UNIT, A GROUP OF PROCESS OR PRODUCTION UNITS AND ACTIVITIES WHICH HAS AT LEAST ONE DEFINABLE EMISSION POINT (STACK OR VENT) BUT MAY ALSO PRODUCE FUGITIVE EMISSIONS.

**Regulated/Unregulated:** REGULATED

**EU Description:** 150 TPH MAP/DAP PLANT(79 TPH P2O5 INPUT)

**EU Status:** A - ACTIVE

**Commence Construction Date:**

**Initial Startup Date:**

**EU Major Group SIC:** 28 - CHEMICALS AND ALLIED PRODUCTS

**Package Unit Manufacturer:**

**Generator Nameplate Rating:**

**Incinerator Dwell Temp:**

**Incinerator Dwell Time:**

**Incinerator Afterburner Temp:**

**Long-Term Reserve Shutdown Date:**

**EU Comment:**

**\*\*EU 038: CONTROL EQUIPMENT/METHOD INFORMATION \*\***

Control Equipment/Method Name	Description
PACKED-GAS ADSORPTION COLUMN	Two (2) tail gas packed scrubbers for fluorides and particulate matter.
VENTURI SCRUBBER	Three (3) venturi scrubbers for particulate matter.

**\*\*EU 038: OPERATING CAPACITY AND SCHEDULE \*\***

**Maximum Heat Input Rate:** 44.6 mmBtu/hr

**Maximum Incineration Rate:**

**Maximum Process or Throughput Rate:** 79

**Maximum Process or Throughput Rate Units:** TPH P2O5 INPUT

**Maximum Production Rate:** 150

**Maximum Process or Throughput Rate Units:** TPH MAP/DAP

**Requested Maximum Operating Schedule:** 24 hours/day 7 days/week 52 weeks/year  
8760 weeks/year

**Operating Capacity and Schedule Comment:** MAXIMUM HEAT INPUT RATE BASED ON DAP PRODUCTION. 150 TPH\*0.2973 MMBTU/T = 44.6 MAXIMUM PROCESS OR THROUGHPUT RATE BASED ON MAP PRODUCTION: 150 TPH X 0.525 X TP2O5/TMAP = 79 TP2O5/HR

**\*\*EU 038: POINT (STACK/VENT) INFORMATION \*\***

**Identification of Point on Plot Plan or Flow Diagram?**

**Emission Point Type Code:** 1 - A SINGLE EMISSION POINT SERVING A SINGLE EMISSIONS UNIT

**Discharge Type Code:** V - A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL, OR NEARLY VERTICAL DIRECTION

**Stack Height:** 131 feet

**Exit Diameter:** 7 feet

Exit Temperature: 110 Fahrenheit  
 Actual Volumetric Flow Rate: 130000 acfm  
 Water Vapor:  
 Maximum Dry Standard Flow Rate:  
 Nonstack Emission Point Height:  
 Emission Point UTM Coordinates:  
 Emission Point Latitude:  
 Emission Point Longitude:  
 Emission Point Comment:

**\*\*EU 038: SEGMENT (PROCESS/FUEL) INFORMATION \*\***

SCC Code: 30103002  
 Units: Tons P2O5 Produced  
 Description 1: Industrial Processes  
 Description 2: Chemical Manufacturing  
 Description 3: Ammonium Phosphates  
 Description 4: Ammoniator/Granulator  
 Is this a Valid Segment? YES  
 Segment Description (Process/Fuel Type): MAP/DAP Production  
 Maximum Hourly Rate:  
 Maximum Annual Rate:  
 Estimated Annual Activity Factor:  
 Maximum % Sulfur:  
 Maximum % Ash:  
 Million Btu per SCC Unit: 0  
 Segment Comment: Max Ann Rate for MAP/DAP is 150 TPH (1314000 TPY)

SCC Code: 30103020  
 Units: Tons Fertilizer Produced  
 Description 1: Industrial Processes  
 Description 2: Chemical Manufacturing  
 Description 3: Ammonium Phosphates  
 Description 4: Mixing  
 Is this a Valid Segment? YES  
 Segment Description (Process/Fuel Type): DAP/MAP Production  
 Maximum Hourly Rate:  
 Maximum Annual Rate:  
 Estimated Annual Activity Factor:  
 Maximum % Sulfur:  
 Maximum % Ash:  
 Million Btu per SCC Unit: 0  
 Segment Comment: Maximum Annual Rate 150 TPH x 870 hr/yr = 1314000 TPY

SCC Code: 39000499  
 Units: 1000 Gallons Residual Oil Burned  
 Description 1: Industrial Processes  
 Description 2: In-process Fuel Use  
 Description 3: Residual Oil  
 Description 4: General  
 Is this a Valid Segment? YES  
 Segment Description (Process/Fuel Type): Dryer Fuel Type: #6 Oil  
 Maximum Hourly Rate:  
 Maximum Annual Rate:  
 Estimated Annual Activity Factor:  
 Maximum % Sulfur:  
 Maximum % Ash:  
 Million Btu per SCC Unit: 150

**Segment Comment:** Maximum Hourly Rate 44.6 MMBtu/hr /150  
 MMBtu/Tgal = 0.297 Tgal/HR Maximum Annual  
 Rate 0.297 Tgal/hr x 8760 hr/yr = 2605 Tgal/yr

**SCC Code:** 39000689

**Units:** Million Cubic Feet Natural Gas Burned

**Description 1:** Industrial Processes

**Description 2:** In-process Fuel Use

**Description 3:** Natural Gas

**Description 4:** General

**Is this a Valid Segment?** YES

**Segment Description (Process/Fuel Type):** Dryer Fuel type: natural gas

**Maximum Hourly Rate:**

**Maximum Annual Rate:**

**Estimated Annual Activity Factor:**

**Maximum % Sulfur:**

**Maximum % Ash:**

**Million Btu per SCC Unit:** 1050

**Segment Comment:** Maximum Hourly Rate 44.6 MMBtu/hr /1050  
 MMBtu/MMCF = 0.042 MMCF/HR Maximum  
 Annual Rate 0.042 MMCF/hr x 8760 hr/yr = 372  
 MMCF/yr

**SCC Code:** 39000699

**Units:** Million Cubic Feet Natural Gas Burned

**Description 1:** Industrial Processes

**Description 2:** In-process Fuel Use

**Description 3:** Natural Gas

**Description 4:** General

**Is this a Valid Segment?** YES

**Segment Description (Process/Fuel Type):**

**Maximum Hourly Rate:**

**Maximum Annual Rate:**

**Estimated Annual Activity Factor:**

**Maximum % Sulfur:**

**Maximum % Ash:**

**Million Btu per SCC Unit:**

**Segment Comment:**

**\*\*EU 038: POLLUTANT POTENTIAL/ESTIMATED EMISSIONS INFORMATION \*\***

**Pollutant Code:** CO

**Pollutant Description:** CARBON MONOXIDE

**Is this a Valid Pollutant?** YES

**Include in the Facility Emissions Cap?** NO

**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED  
 NOT SUBJECT TO WORK PRACTICE

**Primary Control Device:**

**Secondary Control Device:**

**Total % Efficiency of Control:**

**Potential Emissions:**

**Synthetically Limited?** N

**Range of Estimated Fugitive Emissions:**

**Emission Factor:**

**Emission Factor Units:** PPMVD @ 8% O2

**Emission Factor Reference:**

**Calculation of Emissions:**

**Pollutant Comment:**

**Pollutant Code:** FL  
**Pollutant Description:** FLUORIDES - TOTAL (ELEMENTAL FLUORINE AND FLORIDE COMPOUNDS)  
**Is this a Valid Pollutant?** YES  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** EL - EMISSION-LIMITED POLLUTANT  
**Primary Control Device:** VENTURI SCRUBBER  
**Secondary Control Device:** GAS SCRUBBER, GENERAL  
**Total % Efficiency of Control:** 99.8  
**Potential Emissions:** 4.17 lb/hour 18.29 tons/year  
**Synthetically Limited?** N  
**Range of Estimated Fugitive Emissions:** 1 to 5 tons/year  
**Emission Factor:** 0.06  
**Emission Factor Units:** LB/TON  
**Emission Factor Reference:** NSPS Limit  
**Calculation of Emissions:** 0.06 lb/T P2O5 x 70 TP2O5/hr = 4.17 lb/hr 4.17 lb/hr x 8760 hr/yr x ton/2000 lb = 18.29 TPY  
**Pollutant Comment:** There exists a potential for fugitive emissions of fluorides to occur from this emission unit.

**Pollutant Code:** NOX  
**Pollutant Description:** NITROGEN OXIDES  
**Is this a Valid Pollutant?** YES  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE  
**Primary Control Device:**  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:**  
**Synthetically Limited?**  
**Range of Estimated Fugitive Emissions:**  
**Emission Factor:**  
**Emission Factor Units:**  
**Emission Factor Reference:**  
**Calculation of Emissions:**  
**Pollutant Comment:**

**Pollutant Code:** PM  
**Pollutant Description:** PARTICULATE MATTER - TOTAL  
**Is this a Valid Pollutant?** YES  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** EL - EMISSION-LIMITED POLLUTANT  
**Primary Control Device:** VENTURI SCRUBBER  
**Secondary Control Device:** GAS SCRUBBER, GENERAL  
**Total % Efficiency of Control:**  
**Potential Emissions:** 38.59 lb/hour 169.02 tons/year  
**Synthetically Limited?**  
**Range of Estimated Fugitive Emissions:** 1 to 5 tons/year  
**Emission Factor:** 38.59  
**Emission Factor Units:** LB/HR  
**Emission Factor Reference:** Permit Allowable  
**Calculation of Emissions:** 38.59 lb/hr x 8760 hr/yr x ton/2000 lb = 169 tons/yr  
**Pollutant Comment:**

**Pollutant Code:** PM10  
**Pollutant Description:** PARTICULATE MATTER - PM10  
**Is this a Valid Pollutant?** YES  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

**Primary Control Device:** VENTURI SCRUBBER  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:**  
**Synthetically Limited?** N  
**Range of Estimated Fugitive Emissions:**  
**Emission Factor:**  
**Emission Factor Units:** LB/HR  
**Emission Factor Reference:** PERMIT ALLOWABLE  
**Calculation of Emissions:**  
**Pollutant Comment:**

**Pollutant Code:** SO2  
**Pollutant Description:** SULFUR DIOXIDE  
**Is this a Valid Pollutant?** YES  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** WP - POLLUTANT REGULATED UNDER WORK PRACTICE STANDARD ONLY

**Primary Control Device:**  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:**  
**Synthetically Limited?**  
**Range of Estimated Fugitive Emissions:**  
**Emission Factor:**  
**Emission Factor Units:**  
**Emission Factor Reference:**  
**Calculation of Emissions:**  
**Pollutant Comment:**

**Pollutant Code:** VOC  
**Pollutant Description:** VOLATILE ORGANIC COMPOUNDS  
**Is this a Valid Pollutant?** YES  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

**Primary Control Device:**  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:**  
**Synthetically Limited?** N  
**Range of Estimated Fugitive Emissions:**  
**Emission Factor:**  
**Emission Factor Units:** PPMVD @ 8% O2  
**Emission Factor Reference:**  
**Calculation of Emissions:**  
**Pollutant Comment:**

**\*\*EU 038: POLLUTANT ALLOWABLE EMISSIONS INFORMATION \*\***

**Pollutant Code:** FL  
**Pollutant Description:** FLUORIDES - TOTAL (ELEMENTAL FLUORINE AND FLORIDE COMPOUNDS)  
**Basis for Allowable Emissions Code:** RULE - EMISSIONS CAP REQUIRED BY RULE  
**Future Effective Date of Allowable Emissions:**  
**Allowable Emissions:** 0.06  
**Allowable Emission Unit:** POUNDS PER TON OF FEED MATERIAL  
**Equivalent Allowable Emissions:** 4.17 lb/hour 18.29 tons/year  
**Method of Compliance:** EPA Method 13A or 13B



**Comment/Description of Operating Method:**

**Pollutant Code:** PM  
**Pollutant Description:** PARTICULATE MATTER - TOTAL  
**Basis for Allowable Emissions Code:** RULE - EMISSIONS CAP REQUIRED BY RULE  
**Future Effective Date of Allowable Emissions:**  
**Allowable Emissions:** 38.59  
**Allowable Emission Unit:** POUNDS/HOUR  
**Equivalent Allowable Emissions:** 38.59 lb/hour 169.02 tons/year  
**Method of Compliance:** EPA Methods 1-5  
**Comment/Description of Operating Method:**

**Pollutant Code:** PM10  
**Pollutant Description:** PARTICULATE MATTER - PM10  
**Basis for Allowable Emissions Code:** RULE - EMISSIONS CAP REQUIRED BY RULE  
**Future Effective Date of Allowable Emissions:**  
**Allowable Emissions:**  
**Allowable Emission Unit:** POUNDS/HOUR  
**Equivalent Allowable Emissions:**  
**Method of Compliance:**  
**Comment/Description of Operating Method:**

**Pollutant Code:** SO2  
**Pollutant Description:** SULFUR DIOXIDE  
**Basis for Allowable Emissions Code:** OTHER - REQUESTED BY APPLICANT FOR OTHER REASONS  
**Future Effective Date of Allowable Emissions:**  
**Allowable Emissions:** 2.5  
**Allowable Emission Unit:** PERCENT SULFUR IN FUEL  
**Equivalent Allowable Emissions:**  
**Method of Compliance:** % sulfur – Fuel oil analysis  
**Comment/Description of Operating Method:** AC53-145424

**\*\*EU 038: VISIBLE EMISSIONS INFORMATION \*\***

**Visible Emissions Subtype:** VE20  
**Basis for Allowable Opacity:** RULE  
**Requested Allowable Opacity in Normal Conditions:** 020  
**Requested Allowable Opacity in Exceptional Conditions:** 0  
**Maximum Period of Excess Opacity Allowed:** 0  
**Compliance Test Method(s):**  
**Visible Emissions Comment:**

**\*\*EU 038: CONTINUOUS MONITOR INFORMATION \*\***

**Parameter Code:** FLOW - Volumetric flow rate  
**CMS Requirement:**  
**Monitor Manufacturer:** Fischer Porter  
**Model Number:** 10D14 75PN14PF1  
**Serial Number:** 93W003652  
**Installation Date:** 3/1/1994  
**Performance Specification Test Date:**  
**Status:** ACTIVE  
**Continuous Monitor Comment:** CMS Requirement is 40 CFR 60.223(a) flow of acid into the plant. This device monitors acid from the 52% day tank to the reactor.

**Parameter Code:** FLOW - Volumetric flow rate  
**CMS Requirement:**  
**Monitor Manufacturer:** Foxboro  
**Model Number:** 8003A-WCR-PJGFG  
**Serial Number:** 2A9414  
**Installation Date:** 4/1/1995  
**Performance Specification Test Date:**  
**Status:** ACTIVE  
**Continuous Monitor Comment:** CMS Requirement is 40 CFR 60.223(a) flow of acid into the plant. This device monitors acid from the blend acid day tank to the primary scrubber.

**Parameter Code:** FLOW - Volumetric flow rate  
**CMS Requirement:**  
**Monitor Manufacturer:** Fischer Porter  
**Model Number:** 10D1475PN15PF12  
**Serial Number:** 93W013242  
**Installation Date:** 8/1/1993  
**Performance Specification Test Date:**  
**Status:** ACTIVE  
**Continuous Monitor Comment:** CMS Requirement is 40 CFR 60.223(a) flow of acid into the plant. This device monitors acid from the 52% day tank to the ammonia scrubber.

**Parameter Code:** PRS - Pressure drop  
**CMS Requirement:**  
**Monitor Manufacturer:** Barton  
**Model Number:** 202E  
**Serial Number:** 1039  
**Installation Date:** 7/1/1979  
**Performance Specification Test Date:**  
**Status:** ACTIVE  
**Continuous Monitor Comment:** CMS Requirement is 40 CFR 60.223(c) pressure drop across the scrubber. This monitor is on the RGCE tail gas scrubber.

**Parameter Code:** PRS - Pressure drop  
**CMS Requirement:**  
**Monitor Manufacturer:** Barton  
**Model Number:** 202E  
**Serial Number:** 1038  
**Installation Date:** 7/1/1979  
**Performance Specification Test Date:**  
**Status:** ACTIVE  
**Continuous Monitor Comment:** CMS Requirement is 40 CFR 60.223(c) pressure drop across scrubber. This monitor is on the Dryer tail gas scrubber.

<b>** EU 038: ADDITIONAL ITEMS **</b>		
Description	Applicable?	Attachment?
PROCESS FLOW DIAGRAM Previously submitted? YES Submittal Date:	Yes	Yes
FUEL ANALYSIS OR SPECIFICATION Previously submitted? YES Submittal Date:	Yes	Yes
DETAILED DESCRIPTION OF CONTROL EQUIPMENT Previously submitted? YES Submittal Date:	Yes	Yes
DESCRIPTION OF STACK SAMPLING FACILITIES	No	No

PROCEDURES FOR STARTUP AND SHUTDOWN Previously submitted? NO Submittal Date:	No	No
OPERATION AND MAINTENANCE PLAN Previously submitted? NO Submittal Date:	No	No
COMPLIANCE DEMONSTRATION REPORTS/RECORDS Previously submitted? YES Submittal Date: Previously Submitted Test Date(s)/Pollutants Tested: To Be submitted? NO Submittal Date: To Be Submitted Test Date(s)/Pollutants Tested:	Yes	Yes
OTHER INFORMATION REQUIRED BY RULE OR STATUTE	No	No
IDENTIFICATION OF APPLICABLE REQUIREMENTS	Yes	Yes
COMPLIANCE ASSURANCE MONITORING PLAN	Yes	Yes
ALTERNATIVE METHODS OF OPERATION	No	No
ACID RAIN PART (FORM NO. 62-210.900(1)(a)) Previously submitted? NO Submittal Date:	No	No
CONTROL TECHNOLOGY REVIEW AND ANALYSIS (RULES 62-212.400(6) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e))	No	No
GOOD ENGINEERING PRACTICE STACK HEIGHT ANALYSIS (RULE 62-212.400(5)(h)6, F.A.C., and RULE 62-212.500(4)(f), F.A.C.)	No	No
ALTERNATIVE MODES OF OPERATION (EMISSIONS TRADING)	No	No
REPOWERING EXTENSION PLAN (FORM NO. 62-210.900(1)(a)1.) Previously submitted? NO Submittal Date:	No	No
NEW UNIT EXEMPTION (FORM NO. 62-210.900(1)(a)2.) Previously submitted? NO Submittal Date:	No	No
RETIRED UNIT EXEMPTION (FORM NO. 62-210.900(1)(a)3.) Previously submitted? NO Submittal Date:	No	No
PHASE II NOx COMPLIANCE PLAN (FORM NO. 62-210.900(1)(a)4.) Previously submitted? NO Submittal Date:	No	No
PHASE II NOx AVERAGING PLAN (FORM NO. 62-210.900(1)(a)5.) Previously submitted? NO Submittal Date:	No	No
CERTIFICATE OF REPRESENTATION (EPA FORM NO. 7610-1)	No	No
OTHER EMISSIONS UNIT INFORMATION	No	No

<b>** EU 038: ATTACHMENTS **</b>				
Description	Electronic?	Attachment Description	Electronic File Name	Uploaded?
COMPLIANCE ASSURANCE MONITORING PLAN	No	CAM PLAN	N/A	N/A
COMPLIANCE DEMONSTRATION REPORTS/RECORDS	No	COMPLIANCE DEMONSTRATION	N/A	N/A
DETAILED DESCRIPTION OF CONTROL EQUIPMENT	No	CONTROL EQUIPMENT	N/A	N/A
FUEL ANALYSIS OR SPECIFICATION	No	FUEL SPECIFICATION	N/A	N/A
IDENTIFICATION OF APPLICABLE REQUIREMENTS	No	APPLICABLE REQUIREMENTS	N/A	N/A
PROCESS FLOW DIAGRAM	No	PROCESS FLOW	N/A	N/A

**\*\* EU 039: DESCRIPTION AND DETAIL INFORMATION \*\***

**Type of EU:** THIS EMISSIONS UNIT INFORMATION SECTION ADDRESSES, AS A SINGLE EMISSIONS UNIT, A GROUP OF PROCESS OR PRODUCTION UNITS AND ACTIVITIES WHICH HAS AT LEAST ONE DEFINABLE EMISSION POINT (STACK OR VENT) BUT MAY ALSO PRODUCE FUGITIVE EMISSIONS.

**Regulated/Unregulated:** REGULATED

**EU Description:** DAP/MAP STORAGE AND LOADING

**EU Status:** A - ACTIVE

**Commence Construction Date:**

**Initial Startup Date:**

**EU Major Group SIC:** 28 - CHEMICALS AND ALLIED PRODUCTS

**Package Unit Manufacturer:**

**Generator Nameplate Rating:**

**Incinerator Dwell Temp:**

**Incinerator Dwell Time:**

**Incinerator Afterburner Temp:**

**Long-Term Reserve Shutdown Date:**

**EU Comment:** DUST-SUPPRESSING OIL MAY BE APPLIED TO PRODUCT SO THAT BAGHOUSE-OPERATION IS NOT NECESSARY. VE MUST BE LESS THAN 5% WHEN HANDLING OILED PRODUCT WITHOUT BAGHOUSE OPERATION.

**\*\*EU 039: CONTROL EQUIPMENT/METHOD INFORMATION \*\***

Control Equipment/Method Name	Description
FABRIC FILTER LOW TEMPERATURE (T<180F)	Mikro-Pulsaire Baghouse

**\*\*EU 039: OPERATING CAPACITY AND SCHEDULE \*\***

**Maximum Heat Input Rate:**

**Maximum Incineration Rate:**

**Maximum Process or Throughput Rate:** 300

**Maximum Process or Throughput Rate Units:** TPH DAP/MAP

**Maximum Production Rate:**

**Maximum Process or Throughput Rate Units:**

**Requested Maximum Operating Schedule:** 24 hours/day 7 days/week 52 weeks/year  
8760 weeks/year

**Operating Capacity and Schedule Comment:**

**\*\*EU 039: POINT (STACK/VENT) INFORMATION \*\***

**Identification of Point on Plot Plan or Flow Diagram?**

**Emission Point Type Code:** 1 - A SINGLE EMISSION POINT SERVING A SINGLE EMISSIONS UNIT

**Discharge Type Code:** H - A STACK DISCHARGING IN A HORIZONTAL, OR NEARLY HORIZONTAL DIRECTION

**Stack Height:** 73 feet

**Exit Diameter:** 2.8 feet

**Exit Temperature:** 77 Fahrenheit

**Actual Volumetric Flow Rate:** 30000 acfm

**Water Vapor:**

**Maximum Dry Standard Flow Rate:**

**Nonstack Emission Point Height:**

**Emission Point UTM Coordinates:**

**Emission Point Latitude:**

**Emission Point Longitude:**

## Emission Point Comment:

**\*\*EU 039: SEGMENT (PROCESS/FUEL) INFORMATION \*\***

SCC Code: 30103003

Units: Tons P2O5 Produced

Description 1: Industrial Processes

Description 2: Chemical Manufacturing

Description 3: Ammonium Phosphates

Description 4: Screening/Transfer

Is this a Valid Segment? YES

Segment Description (Process/Fuel Type): DAP Storage &amp; Loadout

Maximum Hourly Rate:

Maximum Annual Rate:

Estimated Annual Activity Factor:

Maximum % Sulfur:

Maximum % Ash:

Million Btu per SCC Unit: 0

Segment Comment: Maximum Hourly Rate: 300 T DAP/hr x 0.465 T  
P2O5/T DAP = 139.5 T P2O5/hr Maximum Annual  
Rate: 1314000 T DAP/yr x 0.465 T P2O5/T DAP =  
611010 TP2O5/yr

SCC Code: 30103004

Units: Tons P2O5 Produced

Description 1: Industrial Processes

Description 2: Chemical Manufacturing

Description 3: Ammonium Phosphates

Description 4: Bagging/Handling

Is this a Valid Segment? YES

Segment Description (Process/Fuel Type): MAP Storage &amp; Loadout

Maximum Hourly Rate:

Maximum Annual Rate:

Estimated Annual Activity Factor:

Maximum % Sulfur:

Maximum % Ash:

Million Btu per SCC Unit:

Segment Comment: Maximum Hourly Rate: 300 T MAP/hr x 0.525 T  
P2O5/T MAP = 157.5 T P2O5/hr Maximum Annual  
Rate: 1314000 T MAP/yr x 0.525 T P2O5/T MAP =  
689850 TP2O5/yr

SCC Code: 30510597

Units: Tons Material Processed

Description 1: Industrial Processes

Description 2: Mineral Products

Description 3: Bulk Materials Loading Operation

Description 4: Fertilizer. Specify in Comments

Is this a Valid Segment? YES

Segment Description (Process/Fuel Type): MAP/DAP Storage &amp; Loadout

Maximum Hourly Rate: 300

Maximum Annual Rate: 2628000

Estimated Annual Activity Factor:

Maximum % Sulfur:

Maximum % Ash:

Million Btu per SCC Unit:

Segment Comment: Tons of MAP/DAP processed/transferred.

**\*\*EU 039: POLLUTANT POTENTIAL/ESTIMATED EMISSIONS INFORMATION \*\***

**Pollutant Code:** PM  
**Pollutant Description:** PARTICULATE MATTER - TOTAL  
**Is this a Valid Pollutant?** YES  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** EL - EMISSION-LIMITED POLLUTANT  
**Primary Control Device:** FABRIC FILTER LOW TEMPERATURE (T<180F)  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:** 22.7 lb/hour 99.426 tons/year  
**Synthetically Limited?** N  
**Range of Estimated Fugitive Emissions:** 1 to 5 tons/year  
**Emission Factor:** 22.7  
**Emission Factor Units:** LB/HR  
**Emission Factor Reference:** Permit Allowable  
**Calculation of Emissions:** 22.7 lbs/hr x 8760 hrs/yr x ton/2000 lb = 99.4 tons/yr  
**Pollutant Comment:** ONLY VE TEST REQUIRED IF OPACITY DOESN'T EXCEED 5%. No test required or baghouse used if oil is applied in sufficient quantity.

**Pollutant Code:** PM10  
**Pollutant Description:** PARTICULATE MATTER - PM10  
**Is this a Valid Pollutant?** YES  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** EL - EMISSION-LIMITED POLLUTANT  
**Primary Control Device:** FABRIC FILTER LOW TEMPERATURE (T<180F)  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:** 22.7 lb/hour 99.4 tons/year  
**Synthetically Limited?** N  
**Range of Estimated Fugitive Emissions:** 1 to 5 tons/year  
**Emission Factor:** 22.7  
**Emission Factor Units:** LB/HR  
**Emission Factor Reference:** 62-296.700(2)(b)  
**Calculation of Emissions:**  
**Pollutant Comment:**

**\*\*EU 039: POLLUTANT ALLOWABLE EMISSIONS INFORMATION \*\***

**Pollutant Code:** PM  
**Pollutant Description:** PARTICULATE MATTER - TOTAL  
**Basis for Allowable Emissions Code:** ESCRACT - REQUESTED BY APPLICANT TO ALLOW FACILITY TO ESCAPE RACT REQUIREMENTS  
**Future Effective Date of Allowable Emissions:** 8/8/2003  
**Allowable Emissions:** 22.7  
**Allowable Emission Unit:** POUNDS/HOUR  
**Equivalent Allowable Emissions:** 22.7 lb/hour 99.43 tons/year  
**Method of Compliance:** Method 5 only if VE exceeds 5%.  
**Comment/Description of Operating Method:**

**Pollutant Code:** PM10  
**Pollutant Description:** PARTICULATE MATTER - PM10  
**Basis for Allowable Emissions Code:** ESCRACT - REQUESTED BY APPLICANT TO ALLOW FACILITY TO ESCAPE RACT REQUIREMENTS  
**Future Effective Date of Allowable Emissions:**

**Allowable Emissions:** 22.7  
**Allowable Emission Unit:** POUNDS/HOUR  
**Equivalent Allowable Emissions:** 22.7 lb/hour 99.43 tons/year  
**Method of Compliance:** Methods 1-5  
**Comment/Description of Operating Method:**

**\*\*EU 039: VISIBLE EMISSIONS INFORMATION \*\***

**Visible Emissions Subtype:** VE05  
**Basis for Allowable Opacity:** OTHER  
**Requested Allowable Opacity in Normal Conditions:** 005  
**Requested Allowable Opacity in Exceptional Conditions:** 5  
**Maximum Period of Excess Opacity Allowed:** 0  
**Compliance Test Method(s):**  
**Visible Emissions Comment:** 20% OPACITY ALLOWED IF STACK TESTED FOR PARTICULATES. Waive test in each year that permittee submits a statement that oil has been sufficiently applied AND baghouse has not been used since last test.

**\*\*EU 039: CONTINUOUS MONITOR INFORMATION \*\***

\*\*\* NO CONTINUOUS MONITOR INFORMATION FOUND FOR THIS EU \*\*\*

<b>** EU 039: ADDITIONAL ITEMS **</b>		
Description	Applicable?	Attachment?
PROCESS FLOW DIAGRAM Previously submitted? YES Submittal Date:	Yes	Yes
FUEL ANALYSIS OR SPECIFICATION Previously submitted? NO Submittal Date:	No	No
DETAILED DESCRIPTION OF CONTROL EQUIPMENT Previously submitted? YES Submittal Date:	Yes	Yes
DESCRIPTION OF STACK SAMPLING FACILITIES	No	No
PROCEDURES FOR STARTUP AND SHUTDOWN Previously submitted? NO Submittal Date:	No	No
OPERATION AND MAINTENANCE PLAN Previously submitted? NO Submittal Date:	No	No
COMPLIANCE DEMONSTRATION REPORTS/RECORDS Previously submitted? YES Submittal Date: Previously Submitted Test Date(s)/Pollutants Tested: To Be submitted? NO Submittal Date: To Be Submitted Test Date(s)/Pollutants Tested:	Yes	Yes
OTHER INFORMATION REQUIRED BY RULE OR STATUTE	No	No
IDENTIFICATION OF APPLICABLE REQUIREMENTS	Yes	Yes
COMPLIANCE ASSURANCE MONITORING PLAN	No	No
ALTERNATIVE METHODS OF OPERATION	No	No
ACID RAIN PART (FORM NO. 62-210.900(1)(a)) Previously submitted? NO Submittal Date:	No	No
CONTROL TECHNOLOGY REVIEW AND ANALYSIS (RULES 62-212.400(6) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e))	No	No
GOOD ENGINEERING PRACTICE STACK HEIGHT ANALYSIS (RULE 62-212.400(5)(h)6, F.A.C., and RULE 62-212.500(4)(f), F.A.C.)	No	No
ALTERNATIVE MODES OF OPERATION (EMISSIONS TRADING)	No	No
REPOWERING EXTENSION PLAN (FORM NO. 62-210.900(1)(a)1.) Previously submitted? NO Submittal Date:	No	No

NEW UNIT EXEMPTION (FORM NO. 62-210.900(1)(a)2.) Previously submitted? NO Submittal Date:	No	No
RETIRED UNIT EXEMPTION (FORM NO. 62-210.900(1)(a)3.) Previously submitted? NO Submittal Date:	No	No
PHASE II NOx COMPLIANCE PLAN (FORM NO. 62-210.900(1)(a)4.) Previously submitted? NO Submittal Date:	No	No
PHASE II NOx AVERAGING PLAN (FORM NO. 62-210.900(1)(a)5.) Previously submitted? NO Submittal Date:	No	No
CERTIFICATE OF REPRESENTATION (EPA FORM NO. 7610-1)	No	No
OTHER EMISSIONS UNIT INFORMATION	No	No

<b>** EU 039: ATTACHMENTS **</b>				
Description	Electronic?	Attachment Description	Electronic File Name	Uploaded?
COMPLIANCE DEMONSTRATION REPORTS/RECORDS	No	COMPLIANCE REPORT	N/A	N/A
DETAILED DESCRIPTION OF CONTROL EQUIPMENT	No	CONTROL EQUIPMENT	N/A	N/A
IDENTIFICATION OF APPLICABLE REQUIREMENTS	No	APPLICABLE REQUIREMENTS	N/A	N/A
PROCESS FLOW DIAGRAM	No	PROCESS FLOW	N/A	N/A



**\*\* EU 040: DESCRIPTION AND DETAIL INFORMATION \*\***

**Type of EU:** THIS EMISSIONS UNIT INFORMATION SECTION ADDRESSES, AS A SINGLE EMISSIONS UNIT, ONE OR MORE PROCESS OR PRODUCTION UNITS AND ACTIVITIES WHICH PRODUCE FUGITIVE EMISSIONS ONLY.

**Regulated/Unregulated:** UNREGULATED

**EU Description:** FACILITY WDE FUGITIVE EMISSIONS

**EU Status:** A - ACTIVE

**Commence Construction Date:**

**Initial Startup Date:**

**EU Major Group SIC:** 28 - CHEMICALS AND ALLIED PRODUCTS

**Package Unit Manufacturer:**

**Generator Nameplate Rating:**

**Incinerator Dwell Temp:**

**Incinerator Dwell Time:**

**Incinerator Afterburner Temp:**

**Long-Term Reserve Shutdown Date:**

**EU Comment:**

**\*\*EU 040: CONTROL EQUIPMENT/METHOD INFORMATION \*\***

**\*\*\* NO CONTROL EQUIPMENT/METHOD(S) FOUND FOR THIS EU \*\*\***

**\*\*EU 040: OPERATING CAPACITY AND SCHEDULE \*\***

**Maximum Heat Input Rate:**

**Maximum Incineration Rate:**

**Maximum Process or Throughput Rate:**

**Maximum Process or Throughput Rate Units:**

**Maximum Production Rate:**

**Maximum Process or Throughput Rate Units:**

**Requested Maximum Operating Schedule:**

**Operating Capacity and Schedule Comment:**

**\*\*EU 040: POINT (STACK/VENT) INFORMATION \*\***

**Identification of Point on Plot Plan or Flow Diagram?**

**Emission Point Type Code:** 4 - NO TRUE EMISSION POINT

**Discharge Type Code:** F - FUGITIVE EMISSIONS; NO STACK EXISTS

**Stack Height:**

**Exit Diameter:**

**Exit Temperature:**

**Actual Volumetric Flow Rate:**

**Water Vapor:**

**Maximum Dry Standard Flow Rate:**

**Nonstack Emission Point Height:** 10 feet

**Emission Point UTM Coordinates:**

**Emission Point Latitude:**

**Emission Point Longitude:**

**Emission Point Comment:**

**\*\*EU 040: SEGMENT (PROCESS/FUEL) INFORMATION \*\***

**SCC Code:** 30199999

**Units:** Tons Product Produced

**Description 1:** Industrial Processes

**Description 2:** Chemical Manufacturing  
**Description 3:** Other Not Classified  
**Description 4:** Specify in Comments Field  
**Is this a Valid Segment?** YES  
**Segment Description (Process/Fuel Type):** Chemical Manufacturing - Others Not Classified.  
**Maximum Hourly Rate:**  
**Maximum Annual Rate:**  
**Estimated Annual Activity Factor:**  
**Maximum % Sulfur:**  
**Maximum % Ash:**  
**Million Btu per SCC Unit:**  
**Segment Comment:** Fugitive & Unregulated Emissions Units. Operation rates vary with activity.

**\*\*EU 040: POLLUTANT POTENTIAL/ESTIMATED EMISSIONS INFORMATION \*\***

**Pollutant Code:** CO  
**Pollutant Description:** CARBON MONOXIDE  
**Is this a Valid Pollutant?** YES  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE  
  
**Primary Control Device:**  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:**  
**Synthetically Limited?**  
**Range of Estimated Fugitive Emissions:**  
**Emission Factor:**  
**Emission Factor Units:**  
**Emission Factor Reference:**  
**Calculation of Emissions:**  
**Pollutant Comment:**

**Pollutant Code:** NH3  
**Pollutant Description:** AMMONIA  
**Is this a Valid Pollutant?** YES  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE  
  
**Primary Control Device:**  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:**  
**Synthetically Limited?**  
**Range of Estimated Fugitive Emissions:**  
**Emission Factor:**  
**Emission Factor Units:**  
**Emission Factor Reference:**  
**Calculation of Emissions:**  
**Pollutant Comment:**

**Pollutant Code:** NOX  
**Pollutant Description:** NITROGEN OXIDES  
**Is this a Valid Pollutant?** YES  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE  
  
**Primary Control Device:**

**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:**  
**Synthetically Limited?**  
**Range of Estimated Fugitive Emissions:**  
**Emission Factor:**  
**Emission Factor Units:**  
**Emission Factor Reference:**  
**Calculation of Emissions:**  
**Pollutant Comment:**

**Pollutant Code:** PM  
**Pollutant Description:** PARTICULATE MATTER - TOTAL  
**Is this a Valid Pollutant?** YES  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

**Primary Control Device:**  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:**  
**Synthetically Limited?**  
**Range of Estimated Fugitive Emissions:**  
**Emission Factor:**  
**Emission Factor Units:**  
**Emission Factor Reference:**  
**Calculation of Emissions:**  
**Pollutant Comment:**

**Pollutant Code:** PM10  
**Pollutant Description:** PARTICULATE MATTER - PM10  
**Is this a Valid Pollutant?** YES  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

**Primary Control Device:**  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:**  
**Synthetically Limited?**  
**Range of Estimated Fugitive Emissions:**  
**Emission Factor:**  
**Emission Factor Units:**  
**Emission Factor Reference:**  
**Calculation of Emissions:**  
**Pollutant Comment:**

**Pollutant Code:** SO2  
**Pollutant Description:** SULFUR DIOXIDE  
**Is this a Valid Pollutant?** YES  
**Include in the Facility Emissions Cap?** NO  
**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

**Primary Control Device:**  
**Secondary Control Device:**  
**Total % Efficiency of Control:**  
**Potential Emissions:**  
**Synthetically Limited?**  
**Range of Estimated Fugitive Emissions:**  
**Emission Factor:**  
**Emission Factor Units:**

**Emission Factor Reference:  
 Calculation of Emissions:  
 Pollutant Comment:**

**Pollutant Code: VOC  
 Pollutant Description: VOLATILE ORGANIC COMPOUNDS  
 Is this a Valid Pollutant? YES  
 Include in the Facility Emissions Cap? NO  
 Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE  
 Primary Control Device:  
 Secondary Control Device:  
 Total % Efficiency of Control:  
 Potential Emissions:  
 Synthetically Limited?  
 Range of Estimated Fugitive Emissions:  
 Emission Factor:  
 Emission Factor Units:  
 Emission Factor Reference:  
 Calculation of Emissions:  
 Pollutant Comment:**

**\*\*EU 040: POLLUTANT ALLOWABLE EMISSIONS INFORMATION \*\***

\*\*\* NO POLLUTANT ALLOWABLE EMISSIONS INFORMATION FOUND FOR THIS EU \*\*\*

**\*\*EU 040: VISIBLE EMISSIONS INFORMATION \*\***

\*\*\* NO VISIBLE EMISSIONS INFORMATION FOUND FOR THIS EU \*\*\*

**\*\*EU 040: CONTINUOUS MONITOR INFORMATION \*\***

\*\*\* NO CONTINUOUS MONITOR INFORMATION FOUND FOR THIS EU \*\*\*

**\*\* EU 040: ADDITIONAL ITEMS \*\***

Description	Applicable?	Attachment?
PROCESS FLOW DIAGRAM Previously submitted? NO Submittal Date:	No	No
FUEL ANALYSIS OR SPECIFICATION Previously submitted? NO Submittal Date:	No	No
DETAILED DESCRIPTION OF CONTROL EQUIPMENT Previously submitted? NO Submittal Date:	No	No
DESCRIPTION OF STACK SAMPLING FACILITIES	No	No
PROCEDURES FOR STARTUP AND SHUTDOWN Previously submitted? NO Submittal Date:	No	No
OPERATION AND MAINTENANCE PLAN Previously submitted? NO Submittal Date:	No	No
COMPLIANCE DEMONSTRATION REPORTS/RECORDS Previously submitted? NO Submittal Date: Previously Submitted Test Date(s)/Pollutants Tested: To Be submitted? NO Submittal Date: To Be Submitted Test Date(s)/Pollutants Tested:	No	No
OTHER INFORMATION REQUIRED BY RULE OR STATUTE	No	No

IDENTIFICATION OF APPLICABLE REQUIREMENTS	No	No
COMPLIANCE ASSURANCE MONITORING PLAN	No	No
ALTERNATIVE METHODS OF OPERATION	No	No
ACID RAIN PART (FORM NO. 62-210.900(1)(a)) Previously submitted? NO Submittal Date:	No	No
CONTROL TECHNOLOGY REVIEW AND ANALYSIS (RULES 62-212.400(6) and 62-212.500(7), F.A.C.;40 CFR 63.43(d) and (e))	No	No
GOOD ENGINEERING PRACTICE STACK HEIGHT ANALYSIS (RULE 62-212.400 (5)(h)6.,F.A.C., and RULE 62-212.500(4)(f),F.A.C.)	No	No
ALTERNATIVE MODES OF OPERATION (EMISSIONS TRADING)	No	No
REPOWERING EXTENSION PLAN (FORM NO. 62-210.900(1)(a)1.) Previously submitted? NO Submittal Date:	No	No
NEW UNIT EXEMPTION (FORM NO. 62-210.900(1)(a)2.) Previously submitted? NO Submittal Date:	No	No
RETIRED UNIT EXEMPTION (FORM NO. 62-210.900(1)(a)3.) Previously submitted? NO Submittal Date:	No	No
PHASE II NOx COMPLIANCE PLAN (FORM NO. 62-210.900(1)(a)4.) Previously submitted? NO Submittal Date:	No	No
PHASE II NOx AVERAGING PLAN (FORM NO. 62-210.900(1)(a)5.) Previously submitted? NO Submittal Date:	No	No
CERTIFICATE OF REPRESENTATION (EPA FORM NO. 7610-1)	No	No
OTHER EMISSIONS UNIT INFORMATION	No	No

\*\*\* No Emissions Unit Additional Attachments Found \*\*\*

\*\*\* End of Application Summary Report \*\*\*

U.S. Agri-Chemicals Corporation  
3225 State Road 630 West  
Fort Meade, FL 33841-9778  
863 285 8121

Original in Ft. Meade file  
1050051

**US**

**Agri-Chemicals**

A Sinochem Company

September 23, 2003

Mr. Jason Waters  
Florida Department of Environmental Protection  
Southwest District Office  
3804 Coconut Palm Drive  
Tampa, Florida 33619-8318

RE: Additional Information on Title V Permit Renewal  
U.S. Agri-Chemicals Corp.  
Facility IDs 1050050 and 1050051  
Bartow and Ft. Meade Chemical Plants

Dear Mr. Waters,

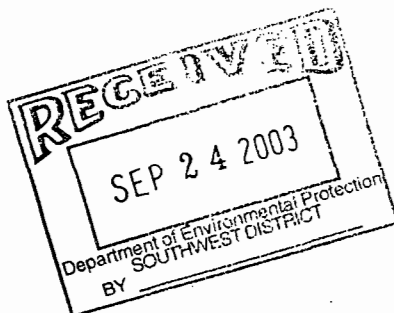
Enclosed are the original R.O. Certification and Compliance Certification pages to replace the copies in the Koogler and Associates submittal for the subject permit renewal.

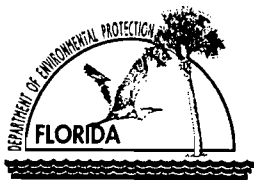
Please feel free to contact me at (863) 285-8121, extension 279 if you have any questions.

Sincerely,



Ronald L. Brunk, Manager  
Environmental Engineering





# Department of Environmental Protection

## Division of Air Resources Management

### STATEMENT OF COMPLIANCE - TITLE V SOURCE

Facility Owner/Company Name: US Agri-Chemicals Corp

Site Name: Bartow Chemical Plant

County: Polk

Title V Air Operation Permit No.: 1050050-012-AV

REPORTING PERIOD	REPORT DEADLINE*
Jan 1 through Dec 31 of 2002 (year)	<u>Permit Renewal</u>

\*See Rule 62-213.440(3)(a)2, F.A.C.

#### COMPLIANCE STATEMENT (Check only one of the following three options)

**A.** This facility was in compliance with all terms and conditions of the Title V Air Operation Permit and, if applicable, the Acid Rain Part, and there were no reportable incidents of deviations from applicable requirements associated with any malfunction or breakdown of process, fuel burning or emission control equipment, or monitoring systems during the reporting period identified above.

**B.** This facility was in compliance with all terms and conditions of the Title V Air Operation Permit and, if applicable, the Acid Rain Part; however, there were one or more reportable incidents of deviations from applicable requirements associated with malfunctions or breakdowns of process, fuel burning or emission control equipment, or monitoring systems during the reporting period identified above, which were reported to the Department. For each incident of deviation, the following information is included under separate cover:

1. Date of report previously submitted identifying the incident of deviation: *March 21, 2003*
2. Description of the incident: *see report*

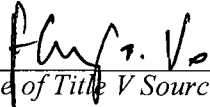
**C.** This facility was in compliance with all terms and conditions of the Title V Air Operation Permit and, if applicable, the Acid Rain Part, EXCEPT those identified in the pages attached to this report. For each item of noncompliance, the following information is included:

1. Emissions unit identification number.
2. Specific permit condition number.
3. Description of the requirement of the permit condition.
4. Basis for the determination of noncompliance (for monitored parameters, indicate whether monitoring was continuous, i.e., recorded at least every 15 minutes, or intermittent).
5. Beginning and ending dates of periods of noncompliance.
6. Identification of the probable cause of noncompliance and description of corrective action or preventative measures implemented.
7. Dates of any reports previously submitted identifying this incident of noncompliance.

# STATEMENT OF COMPLIANCE - TITLE V SOURCE

## RESPONSIBLE OFFICIAL CERTIFICATION

I, the undersigned, am the responsible official as defined in Chapter 62-210.200, F.A.C., of the Title V source for which this document is being submitted. With respect to all matters other than Acid Rain program requirements, I hereby certify, based on the information and belief formed after reasonable inquiry, that the statements made and data contained in this document are true, accurate, and complete.

  
\_\_\_\_\_  
(Signature of Title V Source Responsible Official)

9/23/03  
\_\_\_\_\_  
(Date)

Name: Phong T. Vo Title: General Manager, Engineering and Technical Services

## DESIGNATED REPRESENTATIVE CERTIFICATION (only applicable to Acid Rain source)

I, the undersigned, am authorized to make this submission on behalf of the owners and operators of the Acid Rain source or Acid Rain units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

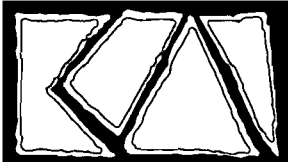
\_\_\_\_\_  
(Signature of Acid Rain Source Designated Representative)

\_\_\_\_\_  
(Date)

Name: \_\_\_\_\_ Title: \_\_\_\_\_

*{Note: Attachments, if required, are created by the responsible official or the designated representative, as appropriate, and should consist of the information specified and any supporting records. Additional information may also be attached by the responsible official or designated representative when elaboration is required for clarity. This report is to be submitted to both the compliance authority (DEP district or local air program) and the U.S. EPA (U.S. EPA Region 4, Air and EPCRA Enforcement Branch, 61 Forsyth Street, Atlanta GA 30303).}*





KOOGLER & ASSOCIATES  
ENVIRONMENTAL SERVICES

4014 NW THIRTEENTH STREET  
GAINESVILLE, FLORIDA 32609  
352/377-5822 ▪ FAX/377-7158

KA 173-02-03

June 19, 2003



Mr. Jason Waters  
Florida Department of  
Environmental Protection  
Southwest District Office  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

Subject: Title V Permit Renewal  
U.S. Agri-Chemicals Corporation  
Facility ID 1050050 *Bartow*

Dear Mr. Waters:

This is a follow up to our telephone conversation regarding the above referenced project.

As discussed, a response to your letter dated April 24, 2003 will be submitted within 90 days of receipt of the letter, in accordance with Rule 62-213.420, FAC. It is my understanding that you have no objection in this regard.

If you have any questions, please call me.

Very truly yours,

KOOGLER & ASSOCIATES

Pradeep Raval

Par.

c: R. Brunk, USAC



4014 NW THIRTEENTH STREET  
GAINESVILLE, FLORIDA 32609  
352/377-5822 • FAX/377-7158

KA 173-02-03

June 19, 2003

Mr. Jason Waters  
Florida Department of  
Environmental Protection  
Southwest District Office  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

Subject: Title V Permit Renewal  
U.S. Agri-Chemicals Corporation  
Facility ID 1050050 *Barlow*

Dear Mr. Waters:

This is a follow up to our telephone conversation regarding the above referenced project.

As discussed, a response to your letter dated April 24, 2003 will be submitted within 90 days of receipt of the letter, in accordance with Rule 62-213.420, FAC. It is my understanding that you have no objection in this regard.

If you have any questions, please call me.

Very truly yours,

KOOGLER & ASSOCIATES

Pradeep Raval

Par.

c: R. Brunk, USAC



KOOGLER & ASSOCIATES  
ENVIRONMENTAL SERVICES

4014 NW THIRTEENTH STREET  
GAINESVILLE, FLORIDA 32609  
352/377-5822 ▪ FAX/377-7158

KA 173-02-03

July 18, 2003

Mr. Jason Waters  
Florida Department of  
Environmental Protection  
Southwest District Office  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

Subject: Title V Permit Renewal  
U.S. Agri-Chemicals Corporation  
Facility ID 1050050

*Barlow*

Dear Mr. Waters:

This is a follow up to our telephone conversation regarding the above referenced project.

The information requested in your letter dated April 24, 2003, will require additional time to gather. Accordingly, we hereby request an additional time of sixty days, in accordance with Rule 62-213.420(1)(b)6, FAC., to submit the requested information.

If you have any questions, please call me.

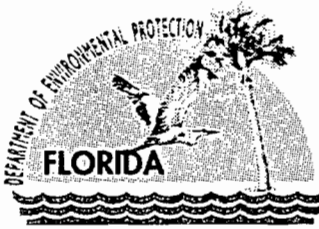
Very truly yours,

KOOGLER & ASSOCIATES

Pradeep Raval

Par.

c: R. Brunk, USAC



# Department of Environmental Protection

Jeb Bush  
Governor

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

David B. Struhs  
Secretary

April 24, 2003

Mr. Phong T. Vo  
General Manager  
Engineering & Technical Services  
US Agri-Chemicals Corporation  
3225 SR 630 West  
Fort Meade, FL 33841-9799

Re: Title V Renewal Application dated February 20, 2003  
Reference Permit No. 1050050-014-AV

Dear Mr. Vo:

On February 28, 2003, the Department received your air permit application to renew your existing permit. In order to continue processing the application, the Department will need the following additional information pursuant to Rules 62-4.055 and 62-4.070(1), F.A.C.:

1. Professional Engineer Statement. The incorrect box on page 4 was checked for the Professional Engineer Statement. The professional engineer should check the first box, as this project is to obtain a Title V source air operation permit. Please submit a corrected Professional Engineer Statement.
2. Compliance Certification and Report. The application did not contain a compliance certification statement or report. Please submit a signed compliance certification statement and report.
3. Facility Supplemental Information. Page 10 of the application lists "waiver requested" for items 1. through 5. Page 11 lists Compliance Certification "Not Applicable". All information must be submitted at time of renewal application for Title V permit renewal. Please submit new pages 10 and 11 with all applicable information and/or attachments. (See Note 1)
4. Emission Unit Information. The application did not contain emission unit information (Section III). All information must be submitted at time of renewal application for Title V permit renewal. Please submit the applicable pages with all the applicable information for this facility. (See Note 1)
5. Compliance Assurance Monitoring (CAM). The application did not contain a discussion of CAM applicability. Please submit a CAM applicability determination, and a CAM plan for each pollutant specific emission unit, if necessary.

1050050014inc.doc

Page 1 of 2

"More Protection, Less Process"

Printed on recycled paper.

6. Maximum Achievable Control Technology (MACT) applicability. The application did not contain a discussion of MACT applicability for 40 CFR 63 Subparts AA and BB (National Emission Standards for Hazardous Air Pollutants – Phosphoric Acid Manufacturing and Phosphate Fertilizers Production). Please submit a MACT applicability determination.

<sup>1</sup>Per Rules 62-213.420(1)(b) and 62-213.430(3), F.A.C., applications for permits that are being renewed shall be submitted on the DEP Form 62-210.900(1) and contain all the information identified in Rule 62-213.420(3), F.A.C. Please submit the necessary pages to correct your Title V operation permit renewal application with all the required information as well as any supporting calculations, assumptions, and reference material with the completed application form (DEP Form 62-210.900(1) Effective 2/11/99). Include with this application all required attachments and supplemental information, such as, but not limited to, diagrams and compliance assurance monitoring (CAM) plans. Please note that up to date versions of the application form can be down loaded from the Department's webpage:

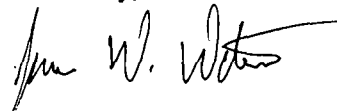
<http://www.dep.state.fl.us/air/forms/application.htm#airpermit>

Responsible Official (R.O.) Certification Statement: Rule 62-213.420, F.A.C. requires that all Title V permit applications must be certified by a responsible official. Due to the nature of the information requested above, your response should be certified by the responsible official. Please complete and submit a new R.O. certification statement page from the DEP Form 62-210.900(1), effective February 11, 1999.

Professional Engineer (P.E.) Certification Statement: Rule 62-4.050(3), F.A.C. requires that all applications for a Department permit must be certified by a professional engineer registered in the State of Florida. This requirement also applies to response to Department requests for additional information of an engineering nature. Please complete and submit a new P.E. certification statement page from DEP Form 62-210.900(1), effective February 11, 1999.

Your response should be submitted by June 20, 2003. If you have any questions, please call me at (813) 744-6100, extension 105.

Sincerely,



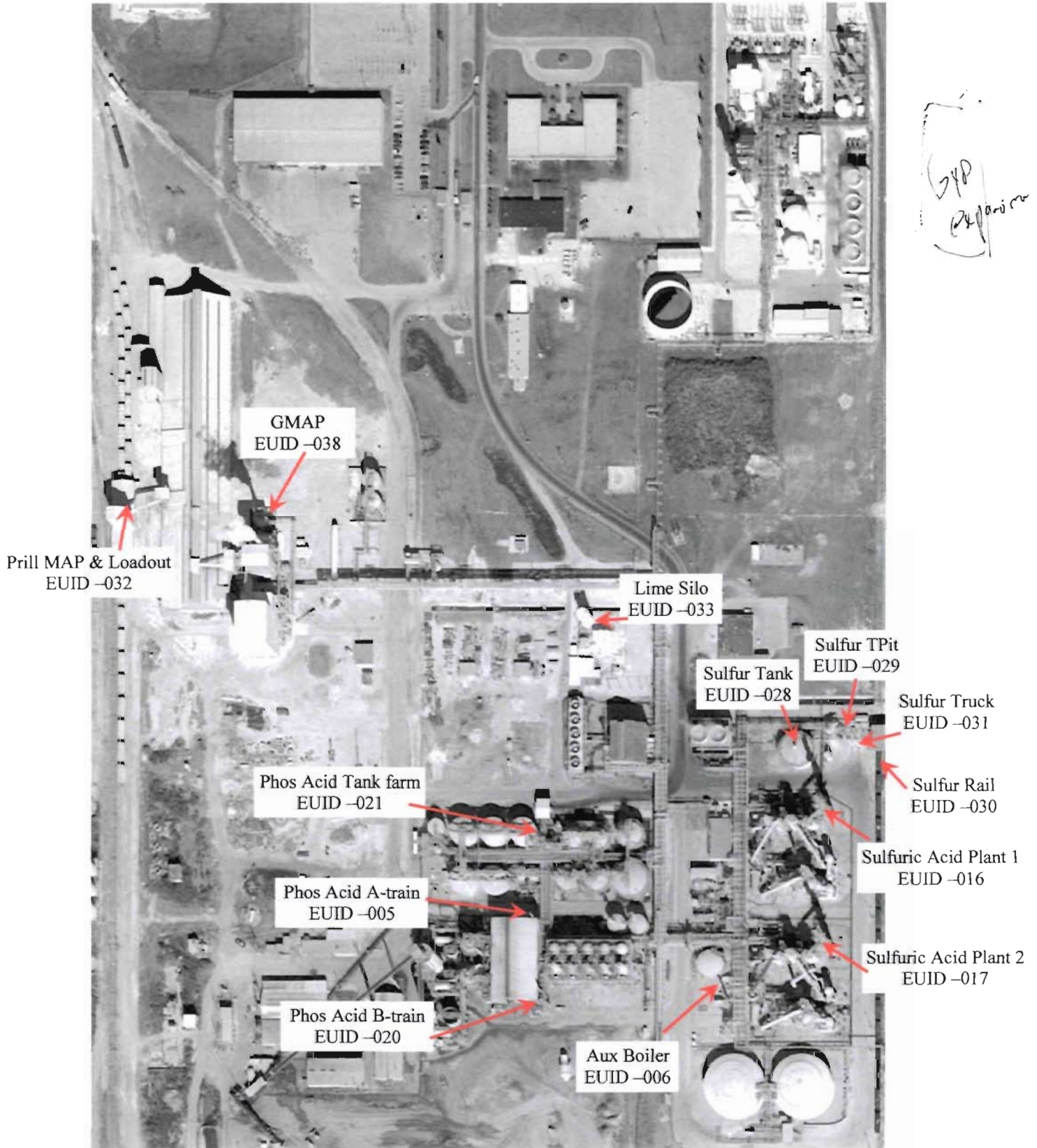
Jason W. Waters  
Air Permitting Engineer

CC: John B. Koogler, Ph.D., P.E.  
Koogler and Associates

U.S. Agri-Chemicals  
Ft. Meade Chemical Plant  
Facility ID 1050051



Handwritten notes: 248, 249, 250



Handwritten notes: 018, 019

# U.S. Agri-Chemicals Product Flow Diagram

