



# Department of Environmental Protection

Jeb Bush  
Governor

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

Colleen M. Castille  
Secretary

March 4, 2005

CERTIFIED MAIL - Return Receipt Requested

Paul H. Barrett  
General Manager  
White Springs Agricultural Chemicals, Inc.  
Post Office Box 300  
White Springs, Florida 32096-0300

Re: DRAFT Title V Air Operation Permit Renewal Project No.: 0470002-048-AV  
Draft Air Construction Permit Project No.: 0470002-053-AC  
Suwannee River/Swift Creek Complex

Dear Mr. Barrett:

One copy of the Technical Evaluation and Preliminary Determination, the combined Public Notice, the Draft air construction permit (letter), and the DRAFT Title V air operation permit renewal for the Suwannee River/Swift Creek Complex located at 15843 SE 78<sup>th</sup> Street in Hamilton County, is enclosed. The permitting authority's "INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT RENEWAL" and the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT RENEWAL" are also included.

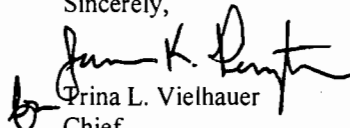
An electronic version of the DRAFT Title V Air Operation Permit Renewal has been posted on the Division of Air Resource Management's world wide web site for the United States Environmental Protection Agency (USEPA) Region 4 office's review. The web site address is:

"[http://www.dep.state.fl.us/air/permitting/airpermits/AirSearch\\_ltd.asp](http://www.dep.state.fl.us/air/permitting/airpermits/AirSearch_ltd.asp)"

The "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT RENEWAL" must be published as soon as possible. Proof of publication, i.e., newspaper affidavit, must be provided to the permitting authority's office within 7 (seven) days of publication pursuant to Rule 62-110.106(5), F.A.C. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit pursuant to Rule 62-110.106(11), F.A.C.

Please submit any written comments you wish to have considered concerning the permitting authority's proposed action to James K. Pennington, P.E., at the above letterhead address. If you have any other questions, please contact Bobby Bull at 850/921-9585.

Sincerely,

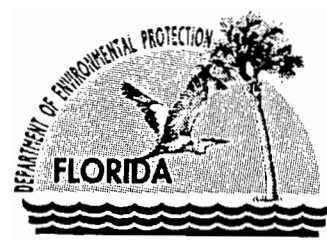
  
Prina L. Vielhauer  
Chief  
Bureau of Air Regulation

TLV/jkp/rlb

Enclosures

"More Protection, Less Process"

Printed on recycled paper.



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## P.E. Certification Statement

**Permittee:** White Spring Agricultural Chemicals, Inc   **DRAFT Permit Renewal No.:** 0470002-048-AV  
Suwannee River/Swift Creek Complex   **Facility ID No.:** 0470002

**Project:** Title V Air Operation Permit Renewal

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

James K. Pennington, P.E.  
Registration Number: 0034536

Date

Permitting Authority:

Florida Department of Environmental Protection  
Division of Air Resources Management  
Bureau of Air Regulation  
Mail Station #5505  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Telephone: 850/488-0114  
Fax: 850/922-6979

"More Protection, Less Process"

Printed on recycled paper.

In the Matter of an  
Application for Permits by:

White Springs Agricultural Chemicals, Inc.  
Post Office Box 300  
White Springs, Florida 32096-0300

DRAFT Title V Air Operation Permit Renewal Project  
No.: 0470002-048-AV  
Draft Air Construction Permit Project No.: 0470002-053-AC  
Suwannee River/Swift Creek Complex  
Hamilton County

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**WRITTEN NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR  
OPERATION PERMIT RENEWAL**

The Department of Environmental Protection (permitting authority) gives notice of its intent to issue an Air Construction Permit (AC) and a Title V Air Operation Permit (Permit) renewal (copies of the DRAFT AC and DRAFT Permit attached) for the Title V source detailed in the application specified above, for the reasons stated below.

The applicant, White Springs Agricultural Chemicals, Inc., applied on November 11, 2003, to the permitting authority for a Permit Renewal for the Suwannee River/Swift Creek Complex, 15843 SE 78<sup>th</sup> Street, White Springs, Polk County. On January 26, 2005, the applicant submitted an air construction application.

The Air Construction Permit 0470002-053-AC is being issued to remove six emissions units from the current Title V permit.

The Permit renewal is being issued to allow continued commercial operation of the facility, as authorized by the initial Permit, No. 0470002-033-AV, and incorporate the terms of Air Construction Permits 0470002-038-AC, 0470002-045-AC and 0470002-053-AC.

The permitting authority has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-212, and 62-213. This source is not exempt from construction and Title V permitting procedures. The permitting authority has determined that an AC and a Permit renewal are required to commence or continue operations at the described facility.

The permitting authority intends to issue the AC and the Permit renewal based on the belief that reasonable assurances have been provided to indicate that the AC activity and operation of the source will not adversely impact air quality, and the source will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-256, 62-257, 62-281, 62-296, and 62-297, F.A.C.

Pursuant to Sections 403.815 and 403.087, F.S., and Rules 62-110.106 and 62-210.350(3), F.A.C., you (the applicant) are required to publish at your own expense the enclosed "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT RENEWAL." The notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the permitting authority at the address or telephone number listed below. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-0114; Fax: 850/921-9533), within 7 (seven) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permits pursuant to Rule 62-110.106, F.A.C.

The permitting authority will issue the AC and the PROPOSED Permit and subsequent FINAL Permit, in accordance with the conditions of the attached Draft AC and the DRAFT Permit, unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The permitting authority will accept written comments concerning the proposed AC issuance action for a period of 14 (fourteen) days from the date of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT RENEWAL." Written comments should be provided to the permitting authority office. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this Draft AC, the permitting authority shall issue a Revised Draft AC and require, if applicable, another Public Notice.

The Permitting Authority will accept written comments concerning the DRAFT Permit for a period of thirty (30) days from the date of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT RENEWAL." Written comments must be post-marked and all facsimile comments must be received by the close of business (5:00 pm), on or before the end of this 30-day period, by the Permitting Authority at the above address or facsimile. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location on the Department's official web site for notices at <http://tlhora6.dep.state.fl.us/onw> and in a newspaper of general circulation in the area affected by the permitting action. For additional information, contact the Permitting Authority at the above address or phone number. If written comments or comments received at a public meeting result in a significant change to the DRAFT Permit, the Permitting Authority shall issue a Revised DRAFT Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the permit revision applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within fourteen (14) days of publication of the public notice or within fourteen (14) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the permitting authority for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the permitting authority's action is based must contain the following information:

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

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

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

Mediation will not be available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply to the Department of Environmental Protection for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information:

- (a) The name, address, and telephone number of the petitioner;
- (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;
- (c) Each rule or portion of a rule from which a variance or waiver is requested;
- (d) The citation to the statute underlying (implemented by) the rule identified in (c) above;
- (e) The type of action requested;
- (f) The specific facts that would justify a variance or waiver for the petitioner;
- (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and,
- (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of the United States Environmental Protection Agency and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Finally, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any permit. Any petition shall be based only on objections to the permit that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the

White Springs Agricultural Chemicals, Inc.  
Suwannee River/Swift Creek Complex  
DRAFT Title V Air Operation Permit Project No.: 0470002-048-AV  
Draft Air Construction Permit Project No.: 0470002-053-AC  
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Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460. For more information regarding EPA review and objections, visit EPA's Region 4 web site at: <http://www.epa.gov/region4/air/permits/Florida.htm>.

Executed in Tallahassee, Florida.

**STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION**

  
Trina L. Vielhauer, Chief  
Bureau of Air Regulation

White Springs Agricultural Chemicals, Inc.  
Suwannee River/Swift Creek Complex  
DRAFT Title V Air Operation Permit Project No.: 0470002-048-AV  
Draft Air Construction Permit Project No.: 0470002-053-AC  
Page 5 of 5

### CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT RENEWAL (including the Combined PUBLIC NOTICE, Draft AC and DRAFT Permit) and all copies were sent by certified mail before the close of business on 3/4/05 to the person(s) listed:

**Paul H. Barrett, General Manager, White Springs Agricultural Chemicals, Inc., Post Office Box 300, White Springs, Florida 32096-0300**

In addition, the undersigned duly designated deputy agency clerk hereby certifies that copies of this INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT RENEWAL (including the Combined PUBLIC NOTICE, Draft AC and DRAFT Permit) were sent by U.S. mail on the same date to the person(s) listed:

John B. Koogler, PhD., P.E., Koogler and Associates  
Pradeep Raval, Consultant, Koogler and Associates  
Charles Pults, Sr. Environmental Engineer, White Springs Agricultural Chemicals

In addition, the undersigned duly designated deputy agency clerk hereby certifies that copies of this INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT RENEWAL (including the Draft AC and DRAFT Permit packages) were sent by INTERNET E-mail on the same date to the person(s) listed:

Christopher Kirts, FDEP- NED  
Rita Felton-Smith, FDEP- NED  
✓ U.S. EPA, Region 4

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency Clerk, receipt of which is hereby acknowledged.

Mary B. Stanley 3/4/05  
(Clerk) (Date)

**PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V  
AIR OPERATION PERMIT RENEWAL**

Permitting Authority  
Department of Environmental Protection

DRAFT Title V Air Operation Permit No. 0470002-048-AV  
DRAFT Air Construction Permit 0470002-053-AC  
White Springs Agricultural Chemicals, Inc.  
Suwannee River/Swift Creek Complex  
Hamilton County

**Applicant:** The applicant for this project is White Springs Agricultural Chemicals, Inc., Post Office Box 300, White Springs, Florida 32096-0300. The applicant's responsible official is Paul H. Barrett, General Manager.

**Facility Location:** The applicant operates a phosphate plant, which is located at 15843 SE 78<sup>th</sup> Street in Hamilton, Florida.

**Project:** On November 11, 2003, the applicant submitted an application for a Title V Air Operation Permit (Permit) Renewal. On January 26, 2005, the applicant applied for an air construction permit (AC). Details of the project are provided in the application and the enclosed "Statement of Basis", for the Permit Renewal, and the Technical Evaluation and Preliminary Determination, for the AC.

The Air Construction Permit 0470002-053-AC is being issued to remove six emissions units from the current Title V permit.

The Permit renewal is being issued to allow continued commercial operation of the facility, as authorized by the initial Permit, No. 0470002-033-AV, and incorporate the terms of Air Construction Permits 0470002-038-AC, 0470002-045-AC and 0470002-053-AC.

This facility processes phosphate rock to produce several products at the Suwannee River/Swift Creek Complex (two plants). The facility consists of one rock grinder, four phosphoric acid plants, two defluorinated phosphate (DFP) plants, one dical process, 2 diammonium phosphate (DAP) plants, one monoammonium (MAP)/DAP/ granular triple superphosphate (GTSP) storage building, one MAP/DAP screen/shipping building, four sulfuric acid plants, two phosphoric acid filters, four superphosphoric acid plants, one green superphosphoric plant, the Swift Creek Mine (SCM) rock dryer, and one acid clarification plant. The facility also has storage silos associated with the Swift Creek Mine and the DFP plant. Based on the Title V Air Operation Permit Renewal application received November 11, 2003 and additional information provided to the Department, this facility is a major source of hazardous air pollutants (HAPs).

**Permitting Authority:** Applications for Title V air operation permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, and 62-213 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to operate the facility. The Department of Environmental Protection is the Permitting Authority responsible for making a permit determination regarding this project. The Permitting Authority's physical address is: 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301. The Permitting Authority's mailing address is: Division of Air Resource Management, MS 5505, 2600 Blair Stone Road, Tallahassee, FL 32399-2400. The Permitting Authority's telephone number is 850/488-0114 and facsimile 850/921-9533.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the DRAFT Permit, the Statement of Basis, the application, and the information submitted by the applicant; exclusive of confidential records under Section 403.111, F.S. Interested persons may view the DRAFT Permit and file electronic comments by visiting the following website: <http://www.dep.state.fl.us/air/eproducts/ards/>. A copy of the complete project file is also available at the Northeast District at 7825 Baymeadows Way, Suite 200B, Jacksonville, FL, 32256-7590 (Telephone: 904/807-3300).

**Notice of Intent to Issue A Permit:** The Permitting Authority gives notice of its intent to issue an AC and a permit renewal to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the facility will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-256, 62-257, 62-281, 62-296, and 62-297, F.A.C. The Permitting Authority will issue an AC and the PROPOSED Permit and subsequent FINAL Permit in accordance with the conditions of the DRAFT AC and DRAFT Permit unless



**PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V  
AIR OPERATION PERMIT RENEWAL**

a response received in accordance with the following procedures results in a different decision or a significant change of terms or conditions.

**Comments:** The permitting authority will accept written comments concerning the proposed AC issuance action for a period of 14 (fourteen) days from the date of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT RENEWAL." Written comments should be provided to the permitting authority office. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this Draft AC, the permitting authority shall issue a Revised Draft AC and require, if applicable, another Public Notice.

The Permitting Authority will accept written comments concerning the DRAFT Permit for a period of thirty (30) days from the date of publication of this "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT RENEWAL." Written comments must be post-marked and all e-mail or facsimile comments must be received by the close of business (5 pm) on or before the end of this 30-day period by the Permitting Authority at the above address, email or facsimile. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location on the Department's official web site for notices at <http://tlhora6.dep.state.fl.us/onw> and in a newspaper of general circulation in the area affected by the permitting action. For additional information, contact the Permitting Authority at the above address or phone number. If written comments or comments received at a public meeting result in a significant change to the DRAFT Permit, the Permitting Authority shall issue a Revised DRAFT Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

**Petitions:** A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within fourteen (14) days of publication of this Public Notice or receipt of a written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within fourteen (14) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address and telephone number of the petitioner; the name address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial rights will be affected by the agency determination; (c) A statement of how and when the petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so state; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

**PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V  
AIR OPERATION PERMIT RENEWAL**

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

**Mediation:** Mediation is not available for this proceeding.

**Objections:** In addition to the above right to petition, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within sixty (60) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to the issuance of any Title V air operation permit. Any petition shall be based only on objections to the Permit that were raised with reasonable specificity during the thirty (30) day public comment period provided in the Public Notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460. For more information regarding EPA review and objections, visit EPA's Region 4 web site at <http://www.epa.gov/region4/air/permits/Florida.htm>.

PRELIMINARY DETERMINATION

White Springs Agricultural Chemicals, Inc.

Deletion of Emissions Units and Removal  
Of Obsolete Permit Conditions  
Suwannee River/Swift Creek Complex  
Hamilton County, Florida

DEP File Number  
0470002-053-AC

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

January 24, 2005

## PRELIMINARY DETERMINATION

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### **I. APPLICATION INFORMATION**

#### A. Applicant

White Springs Agricultural Chemicals, Inc.  
P.O. Box 300  
White Springs, Hamilton County, Florida 32096  
Authorized Representative: Mr. Paul H. Barrett

#### B. Engineer

John B. Koogler, Ph.D., P.E.  
Koogler and Associates  
4014 NW 13<sup>th</sup> Street  
Gainesville, FL 32609

#### C. Project and Location

The air construction permit will delete six emissions units (EU) from the current Title V operating permit. The emissions units are 1) EU No. 006- Suwannee River Mine (SRM) Silos, 2) EU No. 009- SRM East Rock Dryer, 3) EU No. 013- SRM Rock Grinder, 4) EU No. 016- #1 Phosphate Rock Grinder, 5) EU No. 017- SRM Rock Dryer, and 6) EU No. 041- Dical Acid Prep. Currently, none of these emission units are in operation.

All emissions units are located at the Suwannee River/Swift Creek Complex.

#### D. Facility Location

The applicant's facility is located at 15843 SE 78<sup>th</sup> Street, White Springs, Hamilton County, Florida. Latitude and longitude are 30° 26' 27" North and 82° 47' 16" West, respectively. UTM coordinates of the site are: Zone 17, 328.3 km East and 3368.8 km North.

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

#### E. Process and Controls

There will be no new process or controls introduced in this air construction permit.

#### F. Reviewing and Process Schedule

1/26/05: Date of Receipt of Application  
1/27/05: Application complete

### **II. SUMMARY OF EMISSIONS**

The emissions limitations for all existing emissions units will remain unchanged with this construction permit.

## PRELIMINARY DETERMINATION

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### CONCLUSION

Based on the information submitted by White Springs Agricultural Chemicals, Inc., the Department has made a preliminary determination that the proposed project will comply with all applicable state air pollution regulations of Chapters 62-204 through 62-297, F.A.C. The General and Specific Conditions are listed in the attached draft conditions of approval.

### PROPOSED AGENCY ACTION

Pursuant to Sec. 403.087, Florida Statutes and Section 62-4.070, Florida Administrative Code, the Department hereby gives notice of its intent to delete the aforementioned air pollution sources in accordance with the draft permit and its conditions as stipulated.



# Department of Environmental Protection

Jeb Bush  
Governor

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

Colleen M. Castille  
Secretary

## PERMITTEE:

White Springs Agricultural Chemicals, Inc.  
Suwannee River/Swift Creek Complex  
PO Box 300  
White Springs, Florida 32096

### *Authorized Representative:*

Paul H. Barrett, General Manager  
Suwannee River/Swift Creek Complex

Permit No.	0470002-053-AC
Project:	Deletion of Emissions Units and Removal of obsolete conditions
SIC:	2874
Expires:	January 30, 2006

## PROJECT AND LOCATION:

This air construction permit is for the deletion of emissions units, deletion of obsolete conditions, and the addition of clarifying conditions as applicable to the Title V Operation Permit.

The White Springs Agricultural Chemicals, Inc. Suwannee River/Swift Creek Complex is located at 15843 SE 78<sup>th</sup> Street, White Springs, Hamilton County. UTM coordinates are Zone 17; 328.3 km E; 3368.8 km N.

## STATEMENT OF BASIS:

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

## Attached appendices made a part of this permit:

Appendix GC Construction Permit General Conditions

Michael G. Cooke, Director  
Division of Air Resource  
Management

"More Protection, Less Process"

Printed on recycled paper.

**SECTION I. GENERAL INFORMATION**

**FACILITY DESCRIPTION**

This facility processes phosphate rock to produce several products at the Suwannee River/Swift Creek Complex (two plants). The facility consists of one rock grinder, four phosphoric acid plants, two defluorinated phosphate (DFP) plants, one dical process, 2 diammonium phosphate (DAP) plants, one monoammonium (MAP)/DAP/granular triple superphosphate (GTSP) storage building, one MAP/DAP screen/shipping building, four sulfuric acid plants, two phosphoric acid filters, four superphosphoric acid plants, one green superphosphoric plant, the Swift Creek Mine (SCM) rock dryer, and one acid clarification plant. The facility also has storage silos associated with the Swift Creek Mine and the DFP plant.

**EMISSIONS UNITS**

This permit revision addresses the following emissions units. Emission Units shown as stricken through are no longer permitted.

<u>E.U. ID</u>	<u>Brief Description</u>
<u>No.</u>	
001	#2 Phosphate Rock Grinder
002	"A" Phosphoric Acid Plant
003	"A" Pollyphos Plant
004	X-Train (Dical process)
006	SRM Silos
008	"Y" Train (#1 DAP Plant)
009	SRM East Rock Dryer
010	#1 MAP/DAP/GTSP Storage Building
013	SRM Rock Grinder
015	MAP/DAP Screen/Ship
016	#1 SRCC Phosphate Rock Grinder
017	SRM West Rock Dryer
019	"C" Phosphoric Acid Plant
020	"B" Phosphoric Acid Plant
021	"C" Sulfuric Acid Plant
022	"D" Sulfuric Acid Plant
032	Z-Train (#2 DAP)
034	South Phosphoric Acid Filters
035	North Phosphoric Acid Filters
036	"A" and "B" Superphosphoric Acid Plants
038	"B" Pollyphos Plant
039	"C" Auxiliary Boiler
040	"D" Auxiliary Boiler
041	Dical Acid Prep
042	Pollyphos Feed Prep
044	"A" and "B" Pollyphos Coolers
054	Molten Sulfur System
061	Green Superphosphoric Plant
062	Pollyphos Silos
064	SCM Rock Dryer
065	SCM Silos
066	"E" Sulfuric Acid Plant
067	"F" Sulfuric Acid Plant
068	"E" Auxiliary Boiler
069	"D" Phosphoric Acid Plant
070	"C" and "D" Superphosphoric Acid Plants
071	Acid Clarification plant
072	Molten Sulfur System
---	Common Conditions - Used Oil/Lead
---	Common Conditions - F.A.C. Test Requirements

## SECTION I. GENERAL INFORMATION

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### REGULATORY CLASSIFICATION

Because potential emissions of at least one regulated pollutant exceed 100 tons per year, the existing facility is a Title V Source and major source of air pollution in accordance with Chapter 62-213, F.A.C. Regulated pollutants include pollutants such as nitrogen oxides (NO<sub>x</sub>), particulate matter (PM/PM<sub>10</sub>), sulfur dioxide (SO<sub>2</sub>), and sulfuric acid mist (SAM).

In addition, the Department has determined the facility to be a major source of hazardous air pollutants (HAPs) and affected sources are subject to 40 CFR 63 Subparts AA and BB.

Sulfuric Acid Plants C, D, E, and F are subject to 40 CFR 60.80-85 as they apply to emissions of sulfuric acid mist only.

### RELEVANT DOCUMENTS

Construction Permit Application 0470002-053-AC received January 21, 2005, including request for concurrent processing of Title V Air Operation Permit Revision. The Title V Air Operation Permit Revision will be incorporated into the Title V Air Operation Permit Revision/Renewal project 0470002-048-AV.

DRAFT



## SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS

1. Permitting Authority:
  - a. For this permit, the permitting authority is the Bureau of Air Regulation (BAR), Florida Department of Environmental Protection (FDEP), at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, and phone number (850)488-0114.
  - b. For future permitting actions, all documents related to applications for permits to construct or modify an emissions unit should be submitted to the Florida Department of Environmental Protection (FDEP), Northeast District, 7825 Baymeadows Way, Suite 200B, Jacksonville, FL 32256-7590 and phone number (904) 807-3300.
2. Compliance Authority: All documents related to operation, reports, tests, and notifications should be submitted to the Department of Environmental Protection Northeast District Office at  
Department of Environmental Protection  
Northeast District Office  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256-7590  
Telephone: 904/807-3300 Fax: 904/448-4319
3. General Conditions: The owner and operator is subject to and shall operate under the attached General Permit Conditions G.1 through G.15 listed in Appendix GC of this permit. General Permit Conditions are binding and enforceable pursuant to Chapter 403 of the Florida Statutes. [Rule 62-4.160, F.A.C.]
4. Terminology: The terms used in this permit have specific meanings as defined in the corresponding chapters of the Florida Administrative Code.
5. Forms and Application Procedures: The permittee shall use the applicable forms listed in Rule 62-210.900, F.A.C. and follow the application procedures in Chapter 62-4, F.A.C. [Rule 62-210.900, F.A.C.]
6. Modifications: The permittee shall give written notification to the Department when there is any modification to this facility. This notice shall be submitted sufficiently in advance of any critical date involved to allow sufficient time for review, discussion, and revision of plans, if necessary. Such notice shall include, but not be limited to, information describing the precise nature of the change; modifications to any emission control system; production capacity of the facility before and after the change; and the anticipated completion date of the change. [Chapters 62-210 and 62-212, F.A.C.]
7. New or Additional Conditions: Pursuant to Rule 62-4.080, F.A.C., for good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
8. Completion of Construction: The permit expiration date is January 30, 2006.
9. Permit Expiration Date Extension: The permittee, for good cause, may request that this permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit. [Rule 62-4.080, F.A.C.]
10. Application for Title V Permit Revision: Concurrent processing of Air Construction Permit Application 0470002-053-AC and Title V Permit Revision/Renewal 0470002-048-AV.

## SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS

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11. Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the permittee shall notify the Compliance Authority as soon as possible, but at least within one working day, excluding weekends and holidays. The notification shall include: pertinent information as to the cause of the problem; steps being taken to correct the problem and prevent future recurrence; and, where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with the conditions of this permit or the regulations. [Rule 62-4.130, F.A.C.]
12. Operating Procedures: Operating procedures shall include good operating practices and proper training of all operators and supervisors. The good operating practices shall meet the guidelines and procedures as established by the equipment manufacturers. All plant operators (including supervisors) of air pollution control devices shall be properly trained in plant specific equipment. [Rule 62-4.070(3), F.A.C.]
13. Circumvention: The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without the applicable air control device operating properly. [Rule 62-210.650, F.A.C.]
14. Unconfined Particulate Matter Emissions: During the construction period, unconfined particulate matter emissions shall be minimized by dust suppressing techniques such as covering and/or application of water or chemicals to the affected areas, as necessary. [Rule 62-296.320(4)(c), F.A.C.]
15. Test Notification: The permittee shall notify the Compliance Authority in writing at least 30 days prior to any initial performance tests and at least 15 days prior to any other required tests. Notification shall include the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and conducting the test. [Rule 62-297.310(7)(a)9., F.A.C. and 40 CFR 60.7, 60.8]
16. Calculation of Emission Rate: For each emissions performance test, the indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule. [Rule 62-297.310(3), F.A.C.]
17. Applicable Test Procedures
  - a. Required Sampling Time: Unless otherwise specified in the applicable rule, the required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes. The minimum observation period for a visible emissions compliance test shall be sixty (60) minutes. The observation period shall include the period during which the highest opacity can reasonably be expected to occur. [Rule 62-297.310(4)(a)1. and 2., F.A.C.]
  - b. Minimum Sample Volume: Unless otherwise specified in the applicable rule or test method, the minimum sample volume per run shall be 25 dry standard cubic feet. [Rule 62-297.310(4)(b), F.A.C.]
  - c. Calibration of Sampling Equipment: Calibration of the sampling train equipment shall be conducted in accordance with the schedule shown in Table 297.310-1, F.A.C. [Rule 62-297.310(4)(d), F.A.C.]
18. Determination of Process Variables
  - a. Required Equipment: The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards. [Rule 62-297.310(5)(a), F.A.C.]

## SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS

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b. **Accuracy of Equipment.** Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value. [Rule 62-297.310(5)(b), F.A.C.]

19. **Special Compliance Tests:** When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department. [Rule 62-297.310(7)(b), F.A.C.]
20. **Stack Testing Facilities:** Required stack sampling facilities shall be installed in accordance with Rule 62-297.310(6), F.A.C. [Rule 62-297.310]
21. **Operating Rate During Testing:** Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. [Rule 62-297.310(2)(b), F.A.C.]
22. **Records Retention:** All measurements, records, and other data required by this permit shall be documented in a permanent, legible format and retained for at least five (5) years following the date on which such measurements, records, or data are recorded. Records shall be made available to the Department, upon request. [Rules 62-4.160(14) and 62-213.440(1)(b)2., F.A.C.]
23. **Emissions Performance Test Results Reports:** A report indicating the results of any required emissions performance test shall be submitted to the Compliance Authority no later than 45 days after completion of the last test run. The test report shall provide sufficient detail on the tested emission unit and the procedures used to allow the Department to determine if the test was properly conducted and if the test results were properly computed. At a minimum, the test report shall provide the applicable information listed in Rule 62-297.310(8)(c), F.A.C. [Rule 62-297.310(8), F.A.C.]
24. **Annual Operating Reports:** The permittee is required to submit annual reports on the actual operating rates and emissions from this facility. Annual operating reports shall be sent to the DEP Northeast District by March 1st of each year. [Rule 62-210.370(2), F.A.C.]

**SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS**

The following descriptions and specific conditions established in the initial Title V Air Operation Permit, No. 0470002-033-AV; and the previous Title V Air Operation Permit Revision, No. 0470002-041-AV; are changed as follows. Additions are highlighted, and deletions are shown by strikethroughs:

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B. Summary of Emissions Unit ID No(s). and Brief Description(s).	
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III. Emissions Unit(s) and Conditions

Sub-section	E.U. ID No.	Brief Description	Page
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B.	002	"A" Phosphoric Acid Plant	10 <del>9</del>
C.	003	"A" Pollyphos Plant	12 <del>11</del>
D.	004	X-Train (Dical process)	14 <del>13</del>
E.	006	SRM Silos	17
F. <del>E</del>	008	"Y" Train (#1 DAP Plant)	19 <del>16</del>
G.	009	SRM East Rock Dryer	22
H. <del>F</del>	010	#1 MAP/DAP/GTSP Storage Building	24 <del>19</del>
I.	013	SRM Rock Grinder	26
J. <del>G</del>	015	MAP/DAP Screen/Ship	28 <del>21</del>
K.	016	#1 SRCC Phosphate Rock Grinder	30
L.	017	SRM West Rock Dryer	32
M. <del>H</del>	019	"C" Phosphoric Acid Plant	34 <del>23</del>
N. <del>I</del>	020	"B" Phosphoric Acid Plant	36 <del>25</del>
O. <del>J</del>	021	"C" Sulfuric Acid Plant	38 <del>27</del>
P. <del>K</del>	022	"D" Sulfuric Acid Plant	40 <del>29</del>
Q. <del>L</del>	032	Z-Train (#2 DAP)	42 <del>31</del>
R. <del>M</del>	034	South Phosphoric Acid Filters	44 <del>34</del>
S. <del>N</del>	035	North Phosphoric Acid Filters	46 <del>36</del>
T. <del>O</del>	036	"A" and "B" Superphosphoric Acid Plants	47 <del>38</del>
U. <del>P</del>	038	"B" Pollyphos Plant	49 <del>40</del>

**SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS**

V. Q	039	"C" Auxiliary Boiler	51 42
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<u>Sub-sec-tion</u>	<u>E.U. ID No.</u>	<u>Brief Description</u>	<u>Page</u>
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AA. U	054	Molten Sulfur System	62 51
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CC. W	062	Pollyphos Silos	64 55
DD. X	064	SCM Rock Dryer	65 58
EE. Y	065	SCM Silos	67 60
FF. Z	066	"E" Sulfuric Acid Plant	69 62
GG.	067	"F" Sulfuric Acid Plant	71 64
AA			
HH.	068	"E" Auxiliary Boiler	73 66
BB.			
II. CC	069	"D" Phosphoric Acid Plant	75 67
JJ. DD	070	"C" and "D" Superphosphoric Acid Plants	77 70
KK.	071	Acid Clarification plant	79 72
EE.			
LL. FF	072	Molten Sulfur System	80 74
MM.	---	Common Conditions - Used Oil/Lead	82 76
GG.			
NN.	---	Common Conditions - F.A.C. Test Requirements	84 77
HH.			

Please Note that Defluorinated Phosphate (DFP) is the new name for Pollyphos, which is a registered trademark of Occidental Chemical and, therefore, can no longer be used by White Springs Agricultural Chemicals.

**Section I. Facility Information. Subsection A. Facility Description.**

This facility processes phosphate rock to produce several products at the Suwannee River/Swift Creek Complex (two plants). The facility consists of one rock grinder, four phosphoric acid plants, two defluorinated phosphate (DFP) plants, one dical process, 2 diammonium phosphate (DAP) plants, one monoammonium (MAP)/DAP/ granular triple superphosphate (GTSP) storage building, one MAP/DAP screen/shipping building, four sulfuric acid plants, two phosphoric acid filters, four superphosphoric acid plants, one green superphosphoric plant, the Swift Creek Mine (SCM) rock dryer, and one acid clarification plant. The facility also has storage silos associated with the Swift Creek Mine and the DFP plant.

Based on the Title V Air Operation Permit Renewal application received November 11, 2003 and additional information provided to the Department, this facility is a major source of hazardous air pollutants (HAPs).

**SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS**

**Section I. Facility Information. Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).**

<u>Sub-section</u>	<u>E.U. ID No.</u>	<u>Brief Description</u>	<u>Page</u>
A.	001	#2 Phosphate Rock Grinder	8
B.	002	"A" Phosphoric Acid Plant	10
C.	003	"A" Pollyphos Plant	12
D.	004	X-Train (Dical process)	14
E.	006	SRM Silos	17
F. <del>E</del>	008	"Y" Train (#1 DAP Plant)	19
G.	009	SRM East Rock Dryer	22
H. <del>F</del>	010	#1 MAP/DAP/GTSP Storage Building	24
I.	013	SRM Rock Grinder	26
J. <del>G</del>	015	MAP/DAP Screen/Ship	28
K.	016	#1 SRCC Phosphate Rock Grinder	30
L.	017	SRM West Rock Dryer	32
M. <del>H</del>	019	"C" Phosphoric Acid Plant	34
N. <del>I</del>	020	"B" Phosphoric Acid Plant	36
O. <del>J</del>	021	"C" Sulfuric Acid Plant	38
P. <del>K</del>	022	"D" Sulfuric Acid Plant	40
Q. <del>L</del>	032	Z-Train (#2 DAP)	42
R. <del>M</del>	034	South Phosphoric Acid Filters	44
S. <del>N</del>	035	North Phosphoric Acid Filters	46
T. <del>O</del>	036	"A" and "B" Superphosphoric Acid Plants	47
U. <del>P</del>	038	"B" Pollyphos Plant	49
V. <del>Q</del>	039	"C" Auxiliary Boiler	51
W. <del>R</del>	040	"D" Auxiliary Boiler	53
X.	041	Dical Acid Prep	55
Y. <del>S</del>	042	Pollyphos Feed Prep	57
Z. <del>T</del>	044	"A" and "B" Pollyphos Coolers	60
AA. <del>U</del>	054	Molten Sulfur System	62
BB. <del>V</del>	061	Green Superphosphoric Plant	63
CC. <del>W</del>	062	Pollyphos Silos	64
<u>Sub-section</u>	<u>E.U. ID No.</u>	<u>Brief Description</u>	<u>Page</u>
DD. <del>X</del>	064	SCM Rock Dryer	65
EE. <del>Y</del>	065	SCM Silos	67
FF. <del>Z</del>	066	"E" Sulfuric Acid Plant	69
GG.	067	"F" Sulfuric Acid Plant	71
AA.			
HH.	068	"E" Auxiliary Boiler	73
BB.			
II. <del>CC</del>	069	"D" Phosphoric Acid Plant	75

**SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS**

<del>JJ</del> <del>DD</del>	070	"C" and "D" Superphosphoric Acid Plants	77
<del>KK</del>	071	Acid Clarification plant	79
<del>EE</del>			
<del>LL</del> <del>FF</del>	072	Molten Sulfur System	80
<del>MM</del>	---	Common Conditions - Used Oil/Lead	82
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<del>NN</del>	---	Common Conditions - F.A.C. Test Requirements	84
<del>HH</del>			

*Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.*

**Section III. Emissions Unit(s) and Conditions. Subsection F**

**Subsection [F]—This section addresses the following emissions unit(s):**

**E.U. ID**

<b><u>No.</u></b>	<b><u>Brief Description</u></b>
008	Y Train (#1 DAP Plant) with emissions controlled from EP (Emissions Points) below: 1. Modes 1-5, DAP process is controlled by cyclones, venturi and cyclonic scrubbers. 2. Mode 3, also includes a ground rock bin with a baghouse.

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**F.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 60 tons of product or Maximum Daily 1-Hour Average Rate = 66 tons of product.  
 12-MRA (MRA—Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.  
 [Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**F.2. Methods of Operation are as follows:**  
 Mode 1—DAP (Diammonium Phosphate) produced by Split Acid (30% & 50% P<sub>2</sub>O<sub>5</sub> INPUT) phosphoric acid.  
 Mode 2—DAP (Diammonium Phosphate) produced by 40% P<sub>2</sub>O<sub>5</sub> INPUT phosphoric acid.  
 Mode 3—TSP (Triplesuperphosphate) production.  
 Mode 4—MAP (Monoammonium Phosphate) produced by Split Acid (30% & 50% P<sub>2</sub>O<sub>5</sub> INPUT) phosphoric acid.  
 Mode 5—MAP (Monoammonium Phosphate) produced by 40% P<sub>2</sub>O<sub>5</sub> INPUT phosphoric acid.  
 Process fuels are natural gas or fuel oil with a maximum sulfur content of 1.5%.  
 [Rule 62-213.410, F.A.C.]

**F.3. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.  
 [Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

## SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

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### Emission Limitations and Standards

~~{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}~~

~~*{Permitting note. The averaging time for condition Nos. F.4. through F.10. are based on the run time of the specified test method.}*~~

~~F.4. For EP 1, modes 1-5, Fluoride emissions shall not exceed 4.17 lb/hr and 18.26 TPY.  
[Rule 62-296.403(2), F.A.C.]~~

~~F.5. For EP 1, mode 1 or 2, Particulate Matter Emissions shall not exceed 33.33 lbs/hr and 145.99 TPY.  
[Rule 62-296.320(4)(a), F.A.C.]~~

~~F.6. For EP 1, mode 3, Particulate Matter Emissions shall not exceed 43.12 lbs/hr and 188.85 TPY.  
[Rule 62-296.320(4)(a), F.A.C.]~~

~~F.7. For EP 1, mode 4 or 5, Particulate Matter Emissions shall not exceed 45.15 lbs/hr and 197.74 TPY.  
[Rule 62-296.320(4)(a), F.A.C.]~~

~~F.8. For EP 1, modes 1-5, Sulfur Dioxide Emissions shall not exceed 11.10 lbs/hr and 48.62 TPY.  
[From 11/82 PSD model]~~

~~F.9. For EP 1, mode 1-5, Visible Emissions shall not be equal to or greater than 20% opacity.  
[Rule 62-296.320(4)(b), F.A.C.]~~

~~F.10. For EP 2, mode 3, Visible Emissions shall not be equal to or greater than 20% opacity.  
[Rule 62-297.620(4), F.A.C.]~~

### Test Methods and Procedures

~~{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}~~

~~F.11. For EP 1, mode 1-5, Fluoride emissions stack test method shall be EPA Method 13A or 13B incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 09/01.  
[Rule 62-296.403(3), F.A.C.; Rule 62-297.401, F.A.C.]~~

~~F.12. Sulfur Dioxide Emissions in lieu of testing shall comply with the applicable in requirements Rule 62-297.440(1), F.A.C. or maintain a record of acceptable, certified analyses of all fuel oil fired and report annually with frequency base date of 03/01.~~

~~F.13. For EP 1, mode 1-5, Particulate Matter Emissions stack test method shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with frequency base date of 09/01.  
[Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401, F.A.C.]~~



SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

F.14. For EP 1, mode 1-5, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 09/01.

Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

F.15. For EP 2, mode 3, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 09/01.

Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

~~Common Conditions—On Spec Used Oil/Lead~~

F.16. This emissions unit is also subject to the On Spec Used Oil/Lead conditions in Subsection NN.

~~Common Conditions—F.A.C. Test Requirements~~

F.17. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection NN.

Section III. Emissions Unit(s) and Conditions. Subsection G

~~Subsection [G] This section addresses the following emissions unit(s).~~

E.U. ID

No. Brief Description

009 SRM East Rock Dryer is a phosphate rock dryer, fluid bed exhausting through dry cyclones for recycle and then through a two-stage wet scrubber to control particulate matter emissions.

The following specific conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

G.1. ~~Permitted Capacity.~~ The rate shall not exceed the Maximum 12-MRA Hourly Rate = 300 tons of input or Maximum Daily 1-Hour Average Rate = 350 tons of input.

12-MRA (MRA—Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034 AC]

G.2. ~~Methods of Operation.~~ It is fired primarily with natural gas. No. 6 fuel oil with sulfur content not to exceed 1.5% which may contain on-spec used oil with sulfur content not to exceed 1.0% is fired as fuel when natural gas is not available.

[Rule 62-213.410, F.A.C.]

G.3. ~~Hours of Operation.~~ The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

## SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

### Emission Limitations and Standards

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

*{Permitting note. The averaging time for condition Nos. G.4. through G.6. are based on the run time of the specified test method.}*

~~G.4. Particulate Matter Emissions shall not exceed 43.11 lbs/hr and 188.85 TPY.  
[Rule 62-296.320(4)(a), F.A.C.]~~

~~G.5. Sulfur Dioxide Emissions shall not exceed 28.65 lbs/hr and 125.50 TPY.  
[1982 PSD application Table 1]~~

~~G.6. Visible Emissions shall not be equal to or greater than 20% opacity.  
[Rule 62-296.320(4)(b), F.A.C.]~~

### Test Methods and Procedures

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

~~G.7. Particulate Matter Emissions stack test method shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with frequency base date of 09/01.  
[Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401, F.A.C.]~~

~~G.8. Sulfur Dioxide Emissions in lieu of testing shall comply with the applicable in requirements Rule 62-297.440(1), F.A.C. or maintain a record of acceptable, certified analyses of all fuel oil fired and report annually with frequency base date of 03/01.~~

~~G.9. Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 09/01.  
[Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401, F.A.C.]~~

### Common Conditions - On Spec Used Oil/Lead

~~G.10. This emissions unit is also subject to the On Spec Used Oil/Lead conditions in Subsection NN.  
Common Conditions - F.A.C. Test Requirements~~

~~G.11. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection NN.~~

### Section III. Emissions Unit(s) and Conditions. Subsection I

~~Subsection [I] This section addresses the following emissions unit(s).~~

#### E.U. ID

No.      Brief Description

White Springs Agricultural Chemicals, Inc.  
Suwannee River/Swift Creek Complex

Permit No. 0470002-053-AC

## SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

013 SRM Rock Grinder with bag collector to control particulate matter emissions.

The following specific conditions apply to the emissions unit(s) listed above:

### Essential Potential to Emit (PTE) Parameters

~~I.1. Permitted Capacity. The rate shall not exceed the Maximum 12-MRA Hourly Rate = 34 tons of input or Maximum Daily 1-Hour Average Rate = 38 tons of input.~~

~~12-MRA (MRA—Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.~~

~~[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]~~

~~I.2. Hours of Operation. The hours of operation for this emissions unit shall not exceed 6552 hours/year.~~

~~[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]~~

### Emission Limitations and Standards

~~{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}~~

~~{Permitting note. The averaging time for condition Nos. I.3 and I.4 are based on the run-time of the specified test method.}~~

~~I.3. Particulate Matter Emissions shall not exceed 30.43 lbs/hr and 99.69 TPY.~~

~~[Rule 62-296.320(4)(a), F.A.C.]~~

~~I.4. Visible Emissions shall not be equal to or greater than 20% opacity.~~

~~[Rule 62-296.320(4)(b), F.A.C.]~~

### Test Methods and Procedures

~~{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}~~

~~I.5. Particulate Matter Emissions stack test method shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with frequency base date of 09/01.~~

~~[Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401, F.A.C.]~~

~~I.6. Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 09/01.~~

~~Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]~~

### Common Conditions—F.A.C. Test Requirements

~~I.7. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection NN.~~

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

Section III. Emissions Unit(s) and Conditions. Subsection K

~~Subsection [K] This section addresses the following emissions unit(s):~~

E.U. ID

No.      Brief Description

016      #1 SRCC Phosphate Rock Grinder with bag collector to control particulate matter emissions.

~~The following specific conditions apply to the emissions unit(s) listed above:~~

Essential Potential to Emit (PTE) Parameters

~~K.1. Permitted Capacity. The rate shall not exceed the Maximum 12-MRA Hourly Rate = 110 tons of input or Maximum Daily 1-Hour Average Rate = 125 tons of input. 12-MRA (MRA—Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.~~

~~{Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC}~~

~~K.2. Hours of Operation. The hours of operation for this emissions unit shall not exceed 8760 hours/year.~~

~~{Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.}~~

Emission Limitations and Standards

~~{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}~~

~~*{Permitting note. The averaging time for condition Nos. K.3 and K.4. are based on the run time of the specified test method.}*~~

~~K.3. Particulate Matter Emissions shall not exceed 36.72 lbs/hr and 160.83 TPY.~~

~~{Rule 62-296.320(4)(a), F.A.C.}~~

~~K.4. Visible Emissions shall not be equal to or greater than 20% opacity.~~

~~{Rule 62-296.320(4), F.A.C.}~~

Test Methods and Procedures

~~{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}~~

~~K.5. Particulate Matter Emissions stack test method shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base day of 09/15.~~

~~{Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401, F.A.C.}~~

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

~~K.6. Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 09/15. Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401, F.A.C.]~~

~~Common Conditions – F.A.C. Test Requirements~~

~~K.7. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection NN.~~

Section III. Emissions Unit(s) and Conditions. Subsection L

~~Subsection [L] This section addresses the following emissions unit(s).~~

E.U. ID

<u>No.</u>	<u>Brief Description</u>
017	SRM West Rock Dryer is a phosphate rock dryer, fluid bed exhausting through dry cyclones for recycle and then through a two-stage wet scrubber to control particulate matter emissions.

The following specific conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

~~L.1. Permitted Capacity. The rate shall not exceed the Maximum 12-MRA Hourly Rate = 300 tons of input or Maximum Daily 1-Hour Average Rate = 330 tons of input. 12-MRA (MRA – Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages. [Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]~~

~~L.2. Methods of Operation. It is fired primarily with natural gas. No. 6 fuel oil with sulfur content not to exceed 1.5% which may contain on spec used oil with sulfur content not to exceed 1.0% is fired as fuel when natural gas is not available. [Rule 62-213.410, F.A.C.]~~

~~L.3. Hours of Operation. The hours of operation for this emissions unit shall not exceed 8760 hours/year. [Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]~~

Emission Limitations and Standards

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

*{Permitting note. The averaging time for condition Nos. L.4. through L.6. are based on the run time of the specified test method.}*

~~L.4. Particulate Matter Emissions shall not exceed 43.11 lbs/hr and 188.85 TPY. [Rule 62-296.320(4)(a), F.A.C.]~~

### SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

~~L.5. Sulfur Dioxide Emissions shall not exceed 28.65 lbs/hr and 125.50 TPY.  
[1982 PSD application Table 1]~~

~~L.6. Visible Emissions shall not be equal to or greater than 20% opacity.  
[Rule 62-296.320(4)(b), F.A.C.]~~

#### Test Methods and Procedures

~~{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}~~

~~L.7. Particulate Matter Emissions stack test method shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base day of 09/01.  
[Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401, F.A.C.]~~

~~L.8. Sulfur Dioxide Emissions in lieu of testing shall comply with the applicable in requirements Rule 62-297.440(1), F.A.C. or maintain a record of acceptable, certified analyses of all fuel oil fired and report annually with frequency base date of 03/01.~~

~~L.9. Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 09/01.  
Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401, F.A.C.]~~

#### Common Conditions—On-Spec Used Oil/Lead

~~L.10. This emissions unit is also subject to the On-Spec Used Oil/Lead conditions in Subsection NN.~~

#### Common Conditions—F.A.C. Test Requirements

~~L.11. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection NN.~~

#### Section III. Emissions Unit(s) and Conditions. Subsection X

~~Subsection [X] This section addresses the following emissions unit(s).~~

#### E.U. ID

<u>No.</u>	<u>Brief Description</u>
041	Dical Acid Prep Unit emissions are from the Emissions Points (EP) below: EP 1—the preparation of phosphoric acid for dical production with fluoride and particulate ——matter emissions controlled by a spray, cross-flow, packed wet scrubber. EP 2—diatomaceous earth silo particulate matter emissions controlled by a baghouse.

~~The following specific conditions apply to the emissions unit(s) listed above:~~

## SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

### Essential Potential to Emit (PTE) Parameters

~~X.1. Permitted Capacity. The rate shall not exceed the Maximum 12-MRA Hourly Rate = 35.6 tons 100% P<sub>2</sub>O<sub>5</sub> input or Maximum Daily 1-Hour-Average Rate = 40 tons 100% P<sub>2</sub>O<sub>5</sub> input. 12-MRA (MRA—Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.~~

~~{Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC}~~

~~X.2. Hours of Operation. The hours of operation for this emissions unit shall not exceed 8760 hours/year.~~

~~{Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.}~~

### Emission Limitations and Standards

~~{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}~~

~~*{Permitting note. The averaging time for condition Nos. X.3. and X.4. are based on the run-time of the specified test method.}*~~

~~X.3. From EP 1, Fluoride emissions shall not exceed 0.70 lbs/hr and 2.94 TPY.~~

~~{Construction application information received 11-13-80}~~

~~X.4. From EP 2, Visible Emissions are limited to 5% opacity.~~

~~{Rule 62-297.620(4), F.A.C.}~~

### Test Methods and Procedures

~~{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}~~

~~X.5. From EP 1, Fluoride emissions stack test method shall be EPA Method 13A or 13B incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed every 5 years with a frequency base date 01/24/93.~~

~~{Rule 62-297.401; F.A.C.}~~

~~X.6. From EP 2, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 01/24.~~

~~{Rule 62-297.401; F.A.C.}~~

### Common Conditions — F.A.C. Test Requirements

~~X.7. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection NN.~~

**APPENDIX GC**  
**CONSTRUCTION PERMIT GENERAL CONDITIONS [RULE 62-4.160, F.A.C.]**

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



**APPENDIX GC**  
**CONSTRUCTION PERMIT GENERAL CONDITIONS [RULE 62-4.160, F.A.C.]**

(c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

**G.8** If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

(a) A description of and cause of non-compliance; and

(b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages, which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

**G.9** In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

**G.10** The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

**G.11** This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.

**G.12** This permit or a copy thereof shall be kept at the work site of the permitted activity.

**G.13** This permit also constitutes:

(a) Determination of Best Available Control Technology (not applicable to project);

(b) Determination of Prevention of Significant Deterioration (not applicable to project);  
and

(c) Compliance with New Source Performance Standards (not applicable to project).

**APPENDIX GC**  
**CONSTRUCTION PERMIT GENERAL CONDITIONS [RULE 62-4.160, F.A.C.]**

- G.14** The permittee shall comply with the following:
- (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  
  - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  
  - (c) Records of monitoring information shall include:
    - 1. The date, exact place, and time of sampling or measurements;
    - 2. The person responsible for performing the sampling or measurements;
    - 3. The dates analyses were performed;
    - 4. The person responsible for performing the analyses;
    - 5. The analytical techniques or methods used; and
    - 6. The results of such analyses.
- G.15** When requested by the Department, the permittee shall within a reasonable time furnish any information required by law, which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

## STATEMENT OF BASIS

White Spring Agricultural Chemicals, Inc.  
Suwannee River/Swift Creek Complex  
Facility ID No.: 0470002  
Hamilton County

Title V Air Operation Permit Renewal  
DRAFT Permit Project No.: 0470002-048-AV

This Title V Air Operation Permit Renewal is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210 and 62-213. The above named permittee is hereby authorized to operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

The subject of this permit is for the renewal of Title V Air Operation Permit and the incorporation of air construction permits, No. 0470002-038-AC, No. 0470002-045-AC, and No. 0470002-053-AC. Permit No. 0470002-038-AC modifies Emissions Unit (EU) No. 004 by adding a baghouse to the materials handling area for additional particulate matter emissions and fugitive dust control. Permit No. 0470002-045-AC allows the modification of EU No. 062 of an enclosed drag conveyor and an enclosed bucket elevator to deliver Defluorinated Phosphate (DFP) product from railcars into product storage silos "A" and "B" as an alternate method of operation. Permit 0470002-053-AC deletes the following EU's from the Title V permit: 1) EU No. 006- Suwannee River Mine (SRM) Silos, 2) EU No. 009- SRM East Rock Dryer, 3) EU No. 013- SRM Rock Grinder, 4) EU No. 016 #1 Phosphate Rock Grinder, 5) EU No. 017- SRM Rock Dryer, and 6) EU No. 041- Dical Acid Prep.

This facility processes phosphate rock to produce several products at the Suwannee River/Swift Creek Complex (two plants). The facility consists of one rock grinder, four phosphoric acid plants, two defluorinated phosphate (DFP) plants, one dical process, 2 diammonium phosphate (DAP) plants, one monoammonium (MAP)/DAP/ granular triple superphosphate (GTSP) storage building, one MAP/DAP screen/shipping building, four sulfuric acid plants, two phosphoric acid filters, four superphosphoric acid plants, one green superphosphoric plant, the Swift Creek Mine (SCM) rock dryer, and one acid clarification plant. The facility also has storage silos associated with the Swift Creek Mine and the DFP plant. CAM does apply.

Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

Based on the Title V Air Operation Permit Renewal application received November 11, 2003 and additional information provided to the Department, this facility is a major source of hazardous air pollutants (HAPs).

White Springs Agricultural Chemicals, Inc.  
Suwannee River/Swift Creek Complex  
**Facility ID No.: 0470002**  
Hamilton County

Title V Air Operation Permit Renewal  
**DRAFT Permit No.: 0470002-048-AV**

Permitting Authority:

State of Florida  
Department of Environmental Protection  
Division of Air Resource Management  
Bureau of Air Regulation  
Mail Station #5505  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Telephone: 850/488-0144  
Fax: 850/922-6979

Compliance Authority:

Florida Department of Environmental Protection  
Northeast District  
7825 Baymeadows Way, Suite B-200  
Jacksonville, Florida 32056-7590  
Telephone: 904-807-3300  
Fax: 904-448-4363

Initial Title V Air Operation Permit  
**DRAFT Permit No.: 0470002-048-AV**

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Please Note that Defluorinated Phosphate (DFP) is the new name for Pollyphos, which is a registered trademark of Occidental Chemical and, therefore, can no longer be used by White Springs Agricultural Chemicals.



Jeb Bush  
Governor

# Department of Environmental Protection

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

Colleen M. Castille  
Secretary

**Permittee:**

White Springs Agricultural Chemicals, Inc.  
Suwannee River/Swift Creek Complex

**DRAFT Permit No.:** 0470002-048-AV

**Facility ID No.:** 0470002

**SIC Nos.:** 2874

**Project:** Title V Air Operation Permit Renewal

The purpose of this permit is to renew the Title V Air Operation Permit and incorporate construction permits, No. 0470002-038-AC, issued on July 25, 2000, No. 0470002-045-AC, issued on May 23, 2003, and No. 0470002-053-AC. This existing facility is located at 15843 SE 78<sup>th</sup> Street, White Springs, Hamilton County; UTM coordinates: Zone 17, 328.3 km East and 3368.8 km North; and, Latitude: 30° 26' 27" North and Longitude: 82° 47' 16" West.

This Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-213. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

**Referenced attachments made a part of this permit:**

Appendix U-1, List of Unregulated Emissions Units and/or Activities  
APPENDIX TV-4, TITLE V CONDITIONS (version dated 02/12/02)  
Memorandum of Understanding for Sulfuric Acid Plants  
CAM Appendix  
Alternative Monitoring Plan dated 10/4/04  
Appendix CP-1, Compliance Plan dated 7/15/04  
Appendix AA, General Provisions for 40 CFR Part 63, Subpart A  
Appendix BB, General Provisions for 40 CFR Part 63, Subpart A  
40 CFR Part 63, Subpart AA  
40 CFR Part 63, Subpart BB

**Effective Date:** ARMS Day 55  
**Renewal Application Due Date:** TBA  
**Expiration Date:** TBA

\_\_\_\_\_  
Michael G. Cooke, Director  
Division of Air Resource Management

MGC/JKP/rlb

*"More Protection, Less Process"*

*Printed on recycled paper.*

**Section I. Facility Information.**

**Subsection A. Facility Description.**

This facility processes phosphate rock to produce several products at the Suwannee River/Swift Creek Complex (two plants). The facility consists of one rock grinder, four phosphoric acid plants, two defluorinated phosphate (DFP) plants, one dical process, 2 diammonium phosphate (DAP) plants, one monoammonium (MAP)/DAP/ granular triple superphosphate (GTSP) storage building, one MAP/DAP screen/shipping building, four sulfuric acid plants, two phosphoric acid filters, four superphosphoric acid plants, one green superphosphoric plant, the Swift Creek Mine (SCM) rock dryer, and one acid clarification plant. The facility also has storage silos associated with the Swift Creek Mine and the DFP plant.

Based on the Title V Air Operation Permit Renewal application received November 11, 2003 and additional information provided to the Department, this facility is a major source of hazardous air pollutants (HAPs).

**Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).**

<u>Sub-section</u>	<u>E.U. ID No.</u>	<u>Brief Description</u>
A.	001	#2 Phosphate Rock Grinder
B.	002	"A" Phosphoric Acid Plant
C.	003	"A" Defluorinated Phosphate (DFP) Plant
D.	004	X-Train (Dical process)
E.	008	"Y" Train-#1 Diammonium Phosphate (DAP) Plant
F.	010	#1 Monoammonium (MAP)/DAP/ Granular Triple Superphosphate (GTSP) Storage Building
G.	015	MAP/DAP Shipping and Screening Facility
H.	019	"C" Phosphoric Acid Plant
I.	020	"B" Phosphoric Acid Plant
J.	021	"C" Sulfuric Acid Plant
K.	022	"D" Sulfuric Acid Plant
L.	032	Z-Train (#2 DAP)
M.	034	South Phosphoric Acid Filters
N.	035	North Phosphoric Acid Filters
O.	036	"A" and "B" Superphosphoric Acid Plants
P.	038	"B" Defluorinated Phosphate (DFP) Plant
Q.	039	"C" Auxiliary Boiler
R.	040	"D" Auxiliary Boiler
S.	042	DFP Feed Prep
T.	044	"A" and "B" DFP Coolers
U.	054	Molten Sulfur System
V.	061	Green Superphosphoric Plant
W.	062	Defluorinated Phosphate (DFP) Silos
X.	064	Swift Creek Mine (SCM) Rock Dryer
Y.	065	Swift Creek Mine Silos Mineral Storage and Conveyor System
Z.	066	"E" Sulfuric Acid Plant
AA.	067	"F" Sulfuric Acid Plant
BB.	068	"E" Auxiliary Boiler
CC.	069	"D" Phosphoric Acid Plant



DD.	070	"C" and "D" Superphosphoric Acid Plants
EE.	071	Acid Clarification plant
FF.	072	Molten Sulfur System for "E" & "F" Sulfuric Acid Plants
GG.	---	Common Conditions - Used Oil/Lead
HH.	---	Common Conditions - F.A.C. Test Requirements

*Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.*

### **Subsection C. Relevant Documents.**

The documents listed below are not a part of this permit; however, they are specifically related to this permitting action.

These documents are provided to the permittee for information purposes only:

Table 1-1, Summary of Air Pollutant Standards and Terms

Table 2-1, Summary of Compliance Requirements

Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers

Appendix H-1, Permit History/ID Number Changes

These documents are on file with permitting authority:

Initial Title V Permit Application received 06-13-96

Initial Title V Permit Application Attachments received 03-24-97

Renewal Title V Permit Application received 11-11-03

Additional Information Request Dated 1-9-04

Additional Information Response received 6-10-04

Additional Information Request dated 6-28-04

Additional Information Response received 8-2-04

Additional Information Request dated 9-01-04

Alternative Monitoring Plan issued dated 10-04-04

Additional Information Response received 10-29-04

## Section II. Facility-wide Conditions.

### The following conditions apply facility-wide:

1. APPENDIX TV-4, TITLE V CONDITIONS, is a part of this permit.  
{Permitting note: APPENDIX TV-4, TITLE V CONDITIONS, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided a copy when requested or otherwise appropriate.}
  2. **Not federally enforceable.** General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.  
[Rule 62-296.320(2), F.A.C.]
  3. General Particulate Emission Limiting Standards. General Visible Emissions Standard. Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C.  
[Rules 62-296.320(4)(b)1. & 4., F.A.C.]
  4. Prevention of Accidental Releases (Section 112(r) of CAA).
    - a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to:  

RMP Reporting Center  
Post Office Box 1515  
Lanham-Seabrook, MD 20703-1515  
Telephone: 301/429-5018
  - and,
  - b. The permittee shall submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.  
[40 CFR 68]
5. Unregulated Emissions Units and/or Activities. Appendix U-1, List of Unregulated Emissions Units and/or Activities, is a part of this permit.  
[Rule 62-213.440(1), F.A.C.]
6. Compliance Plan. PCS shall comply with the Compliance Plan attached at Appendix CP-1.  
[Rule 62-213.440(2), F.A.C., OGC Case 02-0862]
7. **Not federally enforceable.** General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems. Nothing was deemed necessary and ordered by the Department at this time.  
[Rule 62-296.320(1)(a), F.A.C.]

**8. Not federally enforceable.** Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include:

Facility

The particulate matter on roadways and any storage piles shall be controlled from entrainment into the air by moisture applications if necessary.

[Rule 62-296.320(4)(c)2., F.A.C.]

{Note: This condition implements the requirements of Rules 62-296.320(4)(c)1., 3., & 4. F.A.C. (condition 58. of APPENDIX TV-4, TITLE V CONDITIONS.)}

**9.** When appropriate, any recording, monitoring or reporting requirements that are time-specific shall be in accordance with the effective date of this permit, which is day one.

[Rule 62-213.440, F.A.C.]

**10.** This facility shall comply with all the applicable requirements of 40 CFR Part 63, Subparts AA and BB, National Emissions Standards for Hazardous Air Pollutants Phosphoric Acid Manufacturing and Phosphate Fertilizers Production. This facility shall also comply with the General Provisions of 40 CFR 63 Subpart A, as applicable.

**11.** This facility shall comply with all the applicable requirements of the Alternative Monitoring Plan dated October, 4, 2004.

**12. Statement of Compliance.** The annual statement of compliance pursuant to Rule 62-213.440(3)(a)2., F.A.C., shall be submitted within 60 (sixty) days after the end of the calendar year using DEP Form No. 62-213.900(7), F.A.C.

[Rules 62-213.440(3) and 62-213.900, F.A.C.]

{*Permitting Note: This condition implements the requirements of Rules 62-213.440(3)(a)2. & 3., F.A.C. (see Condition 51. of APPENDIX TV-4, TITLE V CONDITIONS.)*}

**13. Certification by Responsible Official (RO).** In addition to the professional engineering certification required for applications by Rule 62-4.050(3), F.A.C., any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, F.A.C., shall contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information.

[Rule 62-213.420(4), F.A.C.]

**14. Submittals.** All reports, tests, notifications or other submittals required by this permit shall be submitted to the Department's Northeast District, Air Section:

Florida Department of Environmental Protection  
Northeast District Office, Air Program  
7825 Baymeadows Way, Suite B-200  
Jacksonville, Florida 32256-7590  
Telephone: 904/807-3300  
Fax: 904/448-4363

15. Any reports, data, notifications, certifications, and requests required to be sent to the United States Environmental Protection Agency, Region 4, should be sent to:

United States Environmental Protection Agency  
Region 4  
Air, Pesticides & Toxics Management Division  
Air and EPCRA Enforcement Branch  
Air Enforcement Section  
61 Forsyth Street  
Atlanta, Georgia 30303-8960  
Telephone: 404/562-9155; Fax: 404/562-9163

**Section III. Emissions Unit(s) and Conditions.**

**Subsection [A]. This section addresses the following emissions unit(s).**

**E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
001	#2 Phosphate Rock Grinder

#2 Phosphate Rock Grinder controlled by a Bag Collector to control particulate matter. CAM does not apply.

{Permitting note: This emissions unit is regulated under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards.}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**A.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 40 TPH of Phosphate Rock, Dry Basis or Maximum Daily 1-Hour Average Rate = 45 TPH of Phosphate Rock, Dry Basis.

12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**A.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**A.3. Particulate Matter Emissions** shall not exceed 22.03 lbs/hr and 96.5 TPY.

[Requested by applicant]

**A.4. Visible Emissions** shall not exceed 5% opacity.

[Rule 62-297.620(4), F.A.C.]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**A.5. Particulate Matter Emissions stack test method** shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed on request.

[Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401, F.A.C.]

A.6. Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 07/17.  
[Rule 62-296. 320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

**Common Conditions - F.A.C. Test Requirements**

A.7. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [B] This section addresses the following emissions unit(s).**

**E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
002	"A" Phosphoric Acid Plant

"A" Phosphoric Acid Plant is controlled by a Multi-Stage Wet Cyclone and High Efficiency Wet Scrubber in series. The cyclone and scrubber are used to control fluoride and particulate matter emissions. CAM does not apply.

{Permitting note: This emissions unit is regulated under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards. 40 CFR 63, Subpart A - General Provisions; 40 CFR 63, Subpart AA - National Emission Standards for Hazardous Air Pollutants (NESHAP) From Phosphoric Acid Manufacturing Plants. **The Part 40 CFR 63 Subparts A and AA take precedence, however these units are subject to all applicable State Implementation Plan (SIP) rules if these units are out of compliance with the NESHAP.**}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**B.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 33.04 tons of 100% P<sub>2</sub>O<sub>5</sub> input or Maximum Daily 1-Hour Average Rate = 37 tons 100% P<sub>2</sub>O<sub>5</sub> input. 12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**B.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**B.3.** Fluoride emissions shall not exceed 0.92 lb/hr and 4.0 TPY.

[Rule 62-296.403(2), F.A.C.]

**B.4.** Particulate Matter Emissions shall not exceed 36.54 lbs/hr and 160.0 TPY.

[Rule 62-296.320(4)(a), F.A.C.]

**B.5.** Visible Emissions shall not be equal to greater than 20% opacity.

[Rule 62-296.320(4)(b), F.A.C.]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**Subsection [B] This section addresses the following emissions unit(s).**

**E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
002	"A" Phosphoric Acid Plant

"A" Phosphoric Acid Plant with fluoride and particulate matter emissions are controlled by a Multi- Staged Wet Cyclone and High Efficiency Wet Scrubber in series. CAM does not apply.

{Permitting note: This emissions unit is regulated under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards. 40 CFR 63, Subpart A - General Provisions; 40 CFR 63, Subpart AA - National Emission Standards for Hazardous Air Pollutants (NESHAP) From Phosphoric Acid Manufacturing Plants. **The Part 40 CFR 63 Subparts A and AA take precedence, however these units are subject to all applicable State Implementation Plan (SIP) rules if these units are out of compliance with the NESHAP.**}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**B.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 33.04 tons of 100% P<sub>2</sub>O<sub>5</sub> input or Maximum Daily 1-Hour Average Rate = 37 tons 100% P<sub>2</sub>O<sub>5</sub> input. 12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**B.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**B.3.** Fluoride emissions shall not exceed 0.92 lb/hr and 4.0 TPY.

[Rule 62-296.403(2), F.A.C.]

**B.4.** Particulate Matter Emissions shall not exceed 36.54 lbs/hr and 160.0 TPY.

[Rule 62-296.320(4)(a), F.A.C.]

**B.5.** Visible Emissions shall not be equal to greater than 20% opacity.

[Rule 62-296.320(4)(b), F.A.C.]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}



**B.6.** Fluoride emissions stack test method shall be EPA Method 13A or 13B incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 09/01. [Rule 62-296.403(3), F.A.C.; Rule 62-297.401, F.A.C.]

**B.7.** Particulate Matter Emissions stack test method shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed every five years or on request with a frequency base date of 09/01/94. [Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401, F.A.C.]

**B.8.** Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 09/01. Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

**Common Conditions - F.A.C. Test Requirements**

**B.9.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [C] This section addresses the following emissions unit(s).**

**E.U.**

**ID No.    Brief Description**

003        "A" Defluorinated Phosphate (DFP) Plant

"A" DFP Plant with fluoride and particulate matter emissions are controlled by a Cross-Flow Packed Scrubber (13A). CAM does apply to this emission unit for fluoride, particulate matter and sulfur dioxide.

{Permitting note: This emissions unit is regulated under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards; Compliance Assurance Monitoring (CAM), adopted and incorporated by reference in Rule 62-204.800, F.A.C.}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**C.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 8.25 tons of product or Maximum Daily 1-Hour Average Rate = 10 tons of product.

12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**C.2. Methods of Operation are as follows:**

Fuel fired is natural gas.

[Rule 62-213.410, F.A.C.]

**C.3. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**C.4.** Fluoride emissions shall not exceed 2.5 lbs/hr and 10.5 TPY.

[Rule 62-296.403(2), F.A.C.]

**C.5.** Particulate Matter Emissions shall not exceed 14.05 lbs/hr and 59.00 TPY.

[Rule 62-296.320(4)(a), F.A.C.]

**C.6.** Sulfur Dioxide Emissions shall not exceed 8.00 lbs/hr and 35.04 TPY.

[Permit #AC24-255802]

**C.7.** Visible Emissions shall not exceed 40% opacity.

[Rule 62-296.320(4)(b)2., F.A.C.; Permit #AC24-15084 amended]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**C.8.** Fluoride emissions stack test method shall be EPA Method 13A or 13B incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 10/15. [Rule 62-296.403(3), F.A.C.; Rule 62-297.401, F.A.C.]

**C.9.** Particulate Matter Emissions stack test method shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 10/15. [Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401, F.A.C.]

**C.10.** Sulfur Dioxide Emissions stack test method shall be EPA Method 6/6C incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed on a 5-year cycle with a frequency base date of 10/15. [Rule 62-297.401(6), F.A.C., Air Construction Permit No. 0470002-040-AC, Admin. Correction No. 0470002-035-AV]

The 5-year testing frequency is justified by the low emission rate documented in previous emissions tests. The applicant has consistently presented test results that are more than 97% below the applicable standards. Furthermore, in accordance with Rule 62-297.310(7)(a)4.b., F.A.C., an annual Sulfur Dioxide compliance test is required if there is an applicable standard and if the emissions unit has a potential to emit of 100 tons per year or greater. The permitted Sulfur Dioxide limit for Emissions Unit Number 003 is 8.00 pounds per hour and 35.04 tons per year.

**C.11.** Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 10/15. [Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

**Common Conditions - F.A.C. Test Requirements**

**C.12.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [D] This section addresses the following emissions unit(s).**

**E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
004	X-Train (Dical Process)

X-Train (Dical Process) with emissions controlled from EP (Emissions Points) by the following control devices: 1) X-Train with Venturi and Cyclonic Scrubbers, 2) Dedust bin with Baghouse, 3) Shipping area with Baghouse, 4) Limestone silo with Baghouse, 5) Reclaim bin with Baghouse, and 6) Material Handling with Baghouse. CAM does apply for particulate matter.

{Permitting note: This emissions unit is regulated under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards; Compliance Assurance Monitoring (CAM), adopted and incorporated by reference in Rule 62-204.800, F.A.C.}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**D.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 40 tons of product or Maximum Daily 1-Hour Average Rate = 45 tons of product. 12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**D.2. Methods of Operation are as follows:**

1. In mode 1, Dical (dicalcium phosphate) with 18.5% P is produced.
  2. In mode 2, Dical (dicalcium phosphate) with 21.0% P is produced.
- Fuels fired are natural gas or fuel oil with a maximum sulfur content of 1.50%.

[Rule 62-213.410, F.A.C.]

**D.3. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**D.4.** For EP 1, mode 1 or 2, Fluoride emissions shall not exceed 0.63 lb/hr and 2.76 TPY.

[Rule 62-296.403(2), F.A.C.]

**D.5.** For EP 1, mode 1, Particulate Matter Emissions shall not exceed 46.11 lbs/hr and 201.96 TPY.

[Rule 62-296.320(4)(a), F.A.C.]

**D.6.** For EP 1, mode 2, Particulate Matter Emissions shall not exceed 45.11 lbs/hr and 197.62 TPY.

[Rule 62-296.320(4)(a), F.A.C.]

**D.7.** For EP 1, mode 1 or 2, Sulfur Dioxide Emissions shall not exceed 11.10 lbs/hr and 48.62 TPY.

[From PSD FL-83]

**D.8.** For EP 1, mode 1 or 2, Visible Emissions shall not be equal to greater than 20% opacity.

[Rule 62-296.320(4)(b), F.A.C.]

**D.9.** For EP 2, Visible Emissions shall not exceed 5% opacity.

[Rule 62-297.620(4), F.A.C.]

**D.10.** For EP 3, Visible Emissions shall not exceed 5% opacity.

[Rule 62-297.620(4), F.A.C.]

**D.11.** For EP 4, Visible Emissions shall not exceed 5% opacity.

[Rule 62-297.620(4), F.A.C.]

**D.12.** For EP 5, Visible Emissions shall not exceed 5% opacity.

[Rule 62-297.620(4), F.A.C.]

**D.13.** For EP6, This Emissions Point emissions shall comply with Facility-wide Condition No. 3, General Visible Emissions Standard.

[Air construction Permit No. 0470002-038-AC, Rule 62-296.320(4)(b), F.A.C.]

### **Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**D.14.** For EP 1, mode 1 or 2, Fluoride emissions stack test method shall be EPA Method 13A or 13B incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 03/11.

[Rule 62-296.403(3), F.A.C.; Rule 62-297.401, F.A.C.]

**D.15.** For EP 1, mode 1 or 2, Particulate Matter Emissions stack test method shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with frequency base date of 03/11

[Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401, F.A.C.]

**D.16.** Sulfur Dioxide Emissions in lieu of testing shall comply with the applicable in requirements Rule 62-297.440(1), F.A.C. or maintain a record of acceptable, certified analyses of all fuel oil fired and report annually with frequency base date of 03/01.

**D.17.** For EP 1, mode 1 or 2, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 03/11.

Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

**D.18.** For EP 2, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 03/11.

Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

**D.19.** For EP 3, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 03/11.

Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

**D.20.** For EP 4, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 03/11. Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

**D.21.** For EP 5, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 03/11. Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

**Common Conditions - On-Spec Used Oil/Lead**

**D.22.** This emissions unit is also subject to the On-Spec Used Oil/Lead conditions in Subsection GG.

**Common Conditions - F.A.C. Test Requirements**

**D.23.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [E] This section addresses the following emissions unit(s).**

**E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
008	Y-Train (#1 DAP Plant)

The Y-Train, #1 DAP plant, has a capacity for 60 tons per hour of MAP/DAP/TSP. Particulate matter, fluoride, and sulfur dioxide emissions are controlled by cyclones, venturi and cyclonic scrubbers. When operating in Mode 3, PM emissions are controlled by a baghouse. CAM does apply for particulate matter.

{Permitting note(s): These emissions units are regulated under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards; and Rule 62-296.403, F.A.C., Phosphate Processing; 40 CFR 63, Subpart A - General Provisions; 40 CFR 63, Subpart BB - National Emission Standards for Hazardous Air Pollutants (NESHAP) From Phosphate Fertilizers Production Plants; Compliance Assurance Monitoring (CAM), adopted and incorporated by reference in Rule 62-204.800, F.A.C. **The Part 40 CFR 63 Subparts A and BB take precedence, however these units are subject to all applicable State Implementation Plan (SIP) rules if these units are out of compliance with the NESHAP.**}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**E.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 60 tons of product or Maximum Daily 1-Hour Average Rate = 66 tons of product. 12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**E.2. Methods of Operation are as follows:**

Mode 1 - DAP (Diammonium Phosphate) produced by Split Acid (30% & 50% P<sub>2</sub>O<sub>5</sub> INPUT) phosphoric acid.  
Mode 2 - DAP (Diammonium Phosphate) produced by 40% P<sub>2</sub>O<sub>5</sub> INPUT phosphoric acid.  
Mode 3 - TSP (Triplesuperphosphate) production.  
Mode 4 - MAP (Monoammonium Phosphate) produced by Split Acid (30% & 50% P<sub>2</sub>O<sub>5</sub> INPUT) phosphoric acid.  
Mode 5 - MAP (Monoammonium Phosphate) produced by 40% P<sub>2</sub>O<sub>5</sub> INPUT phosphoric acid.  
Process fuels are natural gas or fuel oil with a maximum sulfur content of 1.5%.  
[Rule 62-213.410, F.A.C.]

**E.3. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**E.4.** For EP 1, modes 1-5, Fluoride emissions shall not exceed 4.17 lb/hr and 18.26 TPY.  
[Rule 62-296.403(2), F.A.C.]

**E.5.** For EP 1, mode 1 or 2, Particulate Matter Emissions shall not exceed 33.33 lbs/hr and 145.99 TPY.  
[Rule 62-296.320(4)(a), F.A.C.]

**E.6.** For EP 1, mode 3, Particulate Matter Emissions shall not exceed 43.12 lbs/hr and 188.85 TPY.  
[Rule 62-296.320(4)(a), F.A.C.]

**E.7.** For EP 1, mode 4 or 5, Particulate Matter Emissions shall not exceed 45.15 lbs/hr and 197.74 TPY.  
[Rule 62-296.320(4)(a), F.A.C.]

**E.8.** For EP 1, modes 1-5, Sulfur Dioxide Emissions shall not exceed 11.10 lbs/hr and 48.62 TPY.  
[From 11/82 PSD model]

**E.9.** For EP 1, mode 1-5, Visible Emissions shall not be equal to greater than 20% opacity.  
[Rule 62-296.320(4)(b), F.A.C.]

**E.10.** For EP 2, mode 3, Visible Emissions shall not be equal to greater than 20% opacity.  
[Rule 62-297.620(4), F.A.C.]

### **Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**E.11.** For EP 1, mode 1-5, Fluoride emissions stack test method shall be EPA Method 13A or 13B incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 09/01.  
[Rule 62-296.403(3), F.A.C.; Rule 62-297.401, F.A.C.]

**E.12.** Sulfur Dioxide Emissions in lieu of testing shall comply with the applicable in requirements Rule 62-297.440(1), F.A.C. or maintain a record of acceptable, certified analyses of all fuel oil fired and report annually with frequency base date of 03/01.

**E.13.** For EP 1, mode 1-5, Particulate Matter Emissions stack test method shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with frequency base date of 09/01.  
[Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401, F.A.C.]

**E.14.** For EP 1, mode 1-5, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 09/01.  
Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

**E.15.** For EP 2, mode 3, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 09/01.  
Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]



**Common Conditions - On-Spec Used Oil/Lead**

E.16. This emissions unit is also subject to the On-Spec Used Oil/Lead conditions in Subsection GG.

**Common Conditions - F.A.C. Test Requirements**

E.17. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [F]. This section addresses the following emissions unit(s).**

**E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
010	#1 Monoammonium (MAP)/DAP/ Granular Triple Superphosphate (GTSP) Storage Building

The #1 Storage & Shipping building operates in three different modes depending on the type of product in storage. Particulate matter emissions are controlled by a Buffalo wet scrubber when shipping Monocal or Dical or Defluorinated Phosphate (DFP) or DAP (Diammonium Phosphate) or MAP (Monoammonium Phosphate). Particulate matter and fluoride emissions are controlled by a Buffalo wet scrubber when shipping GTSP (Granular Triple Superphosphate). Particulate matter and fluoride emissions are controlled by a Zurn wet scrubber when storing GTSP. CAM does apply for particulate matter.

{Permitting note(s): These emissions units are regulated under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards; and Rule 62-296.403, F.A.C., Phosphate Processing; 40 CFR 63, Subpart A - General Provisions; 40 CFR 63, Subpart BB - National Emission Standards for Hazardous Air Pollutants (NESHAP) From Phosphate Fertilizers Production Plants; Compliance Assurance Monitoring (CAM), adopted and incorporated by reference in Rule 62-204.800, F.A.C. **The Part 40 CFR 63 Subparts A and BB take precedence, however these units are subject to all applicable State Implementation Plan (SIP) rules if these units are out of compliance with the NESHAP.**}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**F.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 175 tons of product or Maximum Daily 1-Hour Average Rate = 195 tons of product for each mode and only one mode at a time.

12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; Air Construction Permit 0470002-034-AC]

**F.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**F.3.** For modes 1, 2 & 3: Particulate Matter Emissions shall not exceed 36.17 lbs/hr and 158.42 TPY. [Rule 62-296.320(4)(a), F.A.C.]

**F.4.** For modes 2 & 3, Fluoride emissions shall not exceed 0.96 lb/hr and 4.20 TPY. Basis: Applicant allocation of 23 lbs/day; 24 H/D.

[Rule 62-296.403(2), F.A.C.]

F.5. For modes 1,2&3: Visible Emissions shall not be equal to greater than 20% opacity.  
[Rule 62-296.320(4)(b), F.A.C.]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

F.6. For modes 1, 2 & 3: Particulate Matter Emissions stack test method shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with frequency base date of 09/01.  
[Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401, F.A.C.]

F.7. For modes 2 & 3, Fluoride emissions stack test method shall be EPA Method 13A or 13B incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 09/01.  
[Rule 62-296.403(3), F.A.C.; Rule 62-297.401, F.A.C., Air Construction Permit 0470002-043-AC]

F.8. For modes 1, 2 & 3: Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 09/01.  
Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

**Common Conditions - F.A.C. Test Requirements**

F.9. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [G]. This section addresses the following emissions unit(s).**

**E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
015	MAP/DAP Shipping and Screening Facility

MAP (Monoammonium Phosphate) or DAP (Diammonium Phosphate) or Monocal or Dical or Defluorinated Phosphate (DFP) Screening & Shipping Facility with particulate matter emissions controlled by a single cyclone in series with a Venturi wet scrubber. CAM does apply for particulate matter.

{Permitting note: This emissions unit is regulated under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards; 40 CFR 63, Subpart A - General Provisions; 40 CFR 63, Subpart BB - National Emission Standards for Hazardous Air Pollutants (NESHAP) From Phosphate Fertilizers Production Plants; Compliance Assurance Monitoring (CAM), adopted and incorporated by reference in Rule 62-204.800, F.A.C. **The Part 40 CFR 63 Subparts A and BB take precedence, however these units are subject to all applicable State Implementation Plan (SIP) rules if these units are out of compliance with the NESHAP.**}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**G.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 215 tons of product or Maximum Daily 1-Hour Average Rate = 240 tons of product for each mode and only one mode at a time.

12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC; air construction permit 0470002-042-AC]

**G.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**G.3. Particulate Matter Emissions** shall not exceed 40.41 lbs/hr and 177.00 TPY.  
[Rule 62-296.320(4)(a), F.A.C.]

**G.4. Visible Emissions** shall not be equal to greater than 20% opacity.  
[Rule 62-296.320(4)(b), F.A.C.]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**G.5.** Particulate Matter Emissions stack test method shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed every 5 years with a frequency base day of 09/15/94.

[Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401, F.A.C.]

**G.6.** Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 09/15.

[Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

**Common Conditions - F.A.C. Test Requirements**

**G.7.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [H] This section addresses the following emissions unit(s).**

**E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
019	"C" Phosphoric Acid Plant

"C" Phosphoric Acid Plant with fluoride and particulate matter emissions are controlled by a packed wet scrubber (F-4). CAM does not apply.

{Permitting note(s): These emissions units are regulated under NSPS - 40 CFR 60, Subpart T, Standards of Performance (NSPS) for the Phosphate Fertilizer Industry: Wet-Process Phosphoric Acid Plants, adopted and incorporated by reference in Rule 62-204.800(7)(b)26., F.A.C.; Rule 62-212.300, F.A.C., General Preconstruction Review Requirements; Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD); and Rule 62-296.403, F.A.C., Phosphate Processing; 40 CFR 63, Subpart A - General Provisions; 40 CFR 63, Subpart AA - National Emission Standards for Hazardous Air Pollutants (NESHAP) From Phosphoric Acid Manufacturing Plants. **The Part 40 CFR 63 Subparts A and AA take precedence over NSPS standards, but will not take precedence over BACT determinations. However these units are subject to all applicable NSPS standards if these units are out of compliance with the NESHAP. State Implementation Plan (SIP) rules apply if these units are out of compliance with the NSPS standards or if there is no applicable NSPS standard when out of compliance with the NESHAP**}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**H.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 23.67 tons of 100% input or Maximum Daily 1-Hour Average Rate = 27 tons 100% P<sub>2</sub>O<sub>5</sub> input. 12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**H.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**H.3.** Fluoride emissions shall not exceed 0.47 lb/hr and 2.05 TPY.

[Rule 62-204.800(7)(b)25., F.A.C.; 40 CFR 60.202, Subpart T]

**H.4.** Particulate Matter Emissions shall not exceed 5.0 lbs/hr and 21.9 TPY.

[PSD model allocation]

**H.5.** Visible Emissions shall not be equal to greater than 20% opacity.

[Rule 62-296.320(4)(b), F.A.C.]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**H.6.** Fluoride emissions stack test method shall be EPA Method 13A or 13B incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base day of 06/18. [Rule 62-204.800(7)(b)25., F.A.C.; 40 CFR 60.202, Subpart T; Rule 62-297.401, F.A.C.]

**H.7.** Particulate Matter Emissions stack test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed every five years or on request with a frequency base date 06/18/95. [Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401; F.A.C.]

**H.8.** Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 06/18. [Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

**Continuous Monitoring Requirements**

**H.9.** A mass flow continuous monitoring system shall comply with the requirements in 40 CFR 60.203 incorporated and adopted by reference in Rule 62-204.800(7)(b), F.A.C.

**H.10.** A scrubber total pressure drop continuous monitoring system shall comply with the requirements in 40 CFR 60.203 incorporated and adopted by reference in Rule 62-204.800(7)(b), F.A.C.

**Common Conditions - F.A.C. Test Requirements**

**H.11.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [I] This section addresses the following emissions unit(s).**

**E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
020	"B" Phosphoric Acid Plant

"B" Phosphoric Acid Plant with fluoride and particulate matter emissions are controlled by a packed wet scrubber. CAM does not apply.

{Permitting note(s): These emissions units are regulated under NSPS - 40 CFR 60, Subpart T, Standards of Performance (NSPS) for the Phosphate Fertilizer Industry: Wet-Process Phosphoric Acid Plants, adopted and incorporated by reference in Rule 62-204.800(7)(b)26., F.A.C.; Rule 62-212.300, F.A.C., General Preconstruction Review Requirements; Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD); and Rule 62-296.403, F.A.C., Phosphate Processing; 40 CFR 63, Subpart A - General Provisions; 40 CFR 63, Subpart AA - National Emission Standards for Hazardous Air Pollutants (NESHAP) From Phosphoric Acid Manufacturing Plants. **The Part 40 CFR 63 Subparts A and AA take precedence over NSPS standards, but will not take precedence over BACT determinations. However these units are subject to all applicable NSPS standards if these units are out of compliance with the NESHAP. State Implementation Plan (SIP) rules apply if these units are out of compliance with the NSPS standards or if there is no applicable NSPS standard when out of compliance with the NESHAP**}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**I.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 74.99 tons of 100% P<sub>2</sub>O<sub>5</sub> input or Maximum Daily 1-Hour Average Rate = 83 tons 100% P<sub>2</sub>O<sub>5</sub> input. 12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**I.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**I.3.** Fluoride emissions shall not exceed 1.50 lb/hr and 6.57 TPY.

[Rule 62-204.800(7)(b)25., F.A.C.; 40 CFR 60.202, Subpart T]

**I.4.** Particulate Matter Emissions shall not exceed 5.0 lbs/hr and 21.9 TPY.

[PSD model allocation]

**I.5.** Visible Emissions shall not be equal to greater than 20% opacity.

[Rule 62-296.320(4)(b), F.A.C.]



**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

I.6. Fluoride emissions stack test method shall be EPA Method 13A or 13B incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base day of 09/26. [Rule 62-204.800(7)(b)25., F.A.C.; 40 CFR 60.202, Subpart T; Rule 62-297.401, F.A.C.]

I.7. Particulate Matter Emissions stack test method shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed every five years or on request with a frequency base date of 09/26/96. [Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401; F.A.C.]

I.8. Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 09/26. [Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

**Continuous Monitoring Requirements**

I.9. A mass flow continuous monitoring system shall comply with the requirements in 40 CFR 60.203 incorporated and adopted by reference in Rule 62-204.800(7)(b), F.A.C.

I.10. A scrubber total pressure drop continuous monitoring system shall comply with the requirements in 40 CFR 60.203 incorporated and adopted by reference in Rule 62-204.800(7)(b), F.A.C.

**Common Conditions - F.A.C. Test Requirements**

I.11. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [J]. This section addresses the following emissions unit(s).**

**E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
021	"C" Sulfuric Acid Plant

"C" Sulfuric Acid Plant is a double absorption process that produces sulfuric acid and controls sulfur dioxide (SO<sub>2</sub>) emissions and has a Brinks mist eliminator to control sulfuric acid mist (SAM). CAM does not apply.

{Permitting note(s): This emissions unit is regulated under NSPS - 40 CFR 60, Subpart H, Standards of Performance for Sulfuric Acid, adopted and incorporated by reference in Rule 62-204.800(7)(b)10., F.A.C.; Rule 62-212.300, F.A.C., General Preconstruction Review Requirements; Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD); and Rule 296.402, F.A.C., Sulfuric Acid Plants.}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**J.1. Permitted Capacity.** The production rate shall not exceed 2300 TPD of 100% H<sub>2</sub>SO<sub>4</sub> or 95.83 TPH.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**J.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**J.3. Sulfur Dioxide Emissions** shall not exceed 4 lbs/ton of 100% H<sub>2</sub>SO<sub>4</sub>, 383.33 lbs/hr and 1679.00 TPY.

[Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.82]

**J.4. Sulfuric acid mist (SAM).**Emissions shall not exceed 0.15 lb/ton of 100% H<sub>2</sub>SO<sub>4</sub>, 14.38 lbs/hr and 63.00 TPY.

[Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.83]

**J.5. Visible Emissions** shall not exceed 10% opacity.

[Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.83]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**J.6.** Sulfur Dioxide Emissions stack test method shall be EPA Method 8 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 05/10. [Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.85; Rule 62-297.401; F.A.C.]

**J.7.** Sulfuric acid mist emissions stack test method shall be EPA Method 8 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 05/10. [Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.85; Rule 62-297.401; F.A.C.]

**J.8.** Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 05/10. [Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.85; Rule 62-297.401; F.A.C.]

**Continuous Monitoring Requirements**

**J.9.** A Sulfur Dioxide continuous monitoring system shall comply with the requirements in 40 CFR 60.84 incorporated and adopted by reference in Rule 62-204.800(7)(b), F.A.C.

**Common Conditions - F.A.C. Test Requirements**

**J.10.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [K]. This section addresses the following emissions unit(s).**

**E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
022	"D" Sulfuric Acid Plant

"D" Sulfuric Acid Plant is a double absorption process that produces sulfuric acid and controls sulfur dioxide (SO<sub>2</sub>) emissions. This emissions unit has a Brinks mist eliminator to control sulfuric acid mist (SAM). CAM does not apply.

{Permitting note(s): This emissions unit is regulated under NSPS - 40 CFR 60, Subpart H, Standards of Performance for Sulfuric Acid, adopted and incorporated by reference in Rule 62-204.800(7)(b)10., F.A.C.; Rule 62-212.300, F.A.C., General Preconstruction Review Requirements; Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD); and Rule 296.402, F.A.C., Sulfuric Acid Plants.}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**K.1. Permitted Capacity.** The production rate shall not exceed 2300 TPD of 100% H<sub>2</sub>SO<sub>4</sub> or 95.83 TPH.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**K.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**K.3. Sulfur Dioxide Emissions** shall not exceed 4 lbs/ton of 100% H<sub>2</sub>SO<sub>4</sub>, 383.33 lbs/hr and 1679.00 TPY.  
[Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.82]

**K.4. Sulfuric acid mist (SAM).**Emissions shall not exceed 0.15 lb/ton of 100% H<sub>2</sub>SO<sub>4</sub>, 14.38 lbs/hr and 63.00 TPY.  
[Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.83]

**K.5. Visible Emissions** shall not exceed 10% opacity.  
[Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.83]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**K.6.** Sulfur Dioxide Emissions stack test method shall be EPA Method 8 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 05/10. [Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.85; Rule 62-297.401; F.A.C.]

**K.7.** Sulfuric acid mist emissions stack test method shall be EPA Method 8 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 05/10. [Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.85; Rule 62-297.401; F.A.C.]

**K.8.** Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 05/10. [Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.85; Rule 62-297.401; F.A.C.]

**Continuous Monitoring Requirements**

**K.9.** A Sulfur Dioxide continuous monitoring system shall comply with the requirements in 40 CFR 60.84 incorporated and adopted by reference in Rule 62-204.800(7)(b), F.A.C.

**Common Conditions - F.A.C. Test Requirements**

**K.10.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [L] This section addresses the following emissions unit(s).**

**E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
032	Z-Train (#2 DAP Plant)

Z-Train (#2 DAP Plant) with two emissions points (EP). The first EP is the main part of DAP process which is controlled by several cyclones followed by several cyclonic and venturi scrubbers. The cooler is controlled by a cyclone and a venturi scrubber. CAM applies for particulate matter.

{Permitting note(s): These emissions units are regulated under NSPS - 40 CFR 60, Subpart V, Standards of Performance for the Phosphate Fertilizer Industry: Diammonium Phosphate Plants, adopted and incorporated by reference in Rule 62-204.800(7)(b)28., F.A.C.; Rule 62-212.300, F.A.C., General Preconstruction Review Requirements; 62-212.400, F.A.C., Prevention of Significant Deterioration; Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards; and Rule 62-296.403, F.A.C., Phosphate Processing; 40 CFR 63, Subpart A - General Provisions; 40 CFR 63, Subpart BB - National Emission Standards for Hazardous Air Pollutants From Phosphate Fertilizers Production Plants; Compliance Assurance Monitoring (CAM), adopted and incorporated by reference in Rule 62-204.800, F.A.C. **The Part 40 CFR 63 Subparts A and BB take precedence over NSPS standards, but will not take precedence over BACT determinations. However these units are subject to all applicable NSPS standards if these units are out of compliance with the NESHAP. State Implementation Plan (SIP) rules apply if these units are out of compliance with the NSPS standards or if there is no applicable NSPS standard when out of compliance with the NESHAP.**}

The following specific conditions apply to the emissions unit(s) listed above:

**Essential Potential to Emit (PTE) Parameters**

**L.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 75 tons of product or Maximum Daily 1-Hour Average Rate = 83 tons of product.

12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**L.2. Methods of Operation are as follows:**

Mode 1 -DAP (Diammonium Phosphate) produced by Split Acid (30% & 50% P<sub>2</sub>O<sub>5</sub> input) phosphoric acid.

Mode 2 - MAP (Monoammonium Phosphate) produced by Split Acid (30% & 50% P<sub>2</sub>O<sub>5</sub> input) phosphoric acid.

Mode 3 -DAP (Diammonium Phosphate) produced by 40% P<sub>2</sub>O<sub>5</sub> input phosphoric acid.

Mode 4 - MAP (Monoammonium Phosphate) produced by 40% P<sub>2</sub>O<sub>5</sub> input phosphoric acid.

Fuels fired are natural gas, fuel oil with a maximum sulfur content of 1.00% or on-spec used oil with a maximum sulfur content of 1.00%.

[Rule 62-213.410, F.A.C.]

**L.3. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

### **Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**L.4.** From EP (TG), modes 1-4: Fluoride emissions shall not exceed 0.06 lb FL per ton P<sub>2</sub>O<sub>5</sub> input; 2.18 lbs/hr and 9.50 TPY.  
[Rule 62-204.800(7)27., F.A.C.; 40 CFR 60.222]

**L.5.** From EP (TG), modes 1-4: Particulate Matter Emissions shall not exceed 47.37 lbs/hr and 206.90 TPY.  
[Rule 62-296.320(4)(a), F.A.C.]

**L.6.** From EP (TG), modes 1-4: Sulfur Dioxide Emissions shall not exceed 11.80 lbs/hr and 51.50 TPY.  
[Permit #AC24-56215 issued 05-19-83]

**L.7.** From EP (TG), modes 1-4: Visible Emissions shall not be equal to greater than 20% opacity.  
[Rule 62-296.320(4)(b), F.A.C.]

**L.8.** From EP (C), modes 1-4: Visible Emissions shall not be equal to or greater than 20% opacity.  
[Rule 62-296.320(4)(b), F.A.C.]

### **Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**L.9.** From EP (TG), modes 1-4: Fluoride emissions stack test method shall be EPA Method 13A or 13B incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 04/29.  
[Rule 62-204.800(7)27., F.A.C.; 40 CFR 60.222; Rule 62-297.401; F.A.C.]

**L.10.** From EP (TG), modes 1-4: Particulate Matter emissions stack test method shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 04/29.  
[Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401; F.A.C.]

**L.11.** From EP (TG), modes 1-4: Sulfur Dioxide Emissions in lieu of stack testing shall comply with the applicable in requirements Rule 62-297.440(1), F.A.C. or maintain a record of acceptable, certified analyses of all fuel oil fired and report annually with frequency base date of 03/01.

**L.12.** From EP (TG), modes 1-4: Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 04/29.  
[Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

**L.13.** From EP (C), modes 1-4: Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 04/29.

[Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

**Common Conditions - On-Spec Used Oil/Lead**

**L.14.** This emissions unit is also subject to the On-Spec Used Oil/Lead conditions in Subsection GG.

**Common Conditions - F.A.C. Test Requirements**

**L.15.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.



**Subsection [M] This section addresses the following emissions unit(s).**

<u>E.U.</u>	<u>Brief Description</u>
<u>ID No.</u> 034	South Phosphoric Acid Filters

The South Phosphoric Acid Filters has fluoride emissions which are controlled by a counter-current packed wet scrubber (D). Also, "A" & "B" Superphosphoric Acid (SPA) Plants and storage tanks are controlled by this scrubber. The filter aid and filter media emit particulate matter, and are controlled by a common bag collector (EF). CAM does not apply.

{Permitting note: This emissions unit is regulated under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards. 40 CFR 63, Subpart A - General Provisions; 40 CFR 63, Subpart AA - National Emission Standards for Hazardous Air Pollutants (NESHAP) From Phosphoric Acid Manufacturing Plants. **The Part 40 CFR 63 Subparts A and AA take precedence, however these units are subject to all applicable State Implementation Plan (SIP) rules if these units are out of compliance with the NESHAP.**}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**M.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 44.68 tons of P<sub>2</sub>O<sub>5</sub> input or Maximum Daily 1-Hour Average Rate = 50 tons P<sub>2</sub>O<sub>5</sub> input. 12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**M.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**M.3.** From stack (D), Fluoride emissions shall not exceed 0.05 lb FL per ton P<sub>2</sub>O<sub>5</sub> INPUT; 2.23 lbs/hr and 9.80 TPY.  
[Rule 62-210.200(42), F.A.C.; BACT]

**M.4.** From stack (EF), Visible Emissions shall not exceed 5% opacity.  
[Rule 62-297.620(4), F.A.C.]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**M.5.** From stack (D), Fluoride emissions stack test method shall be EPA Method 13A or 13B incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 10/21.  
[Rule 62-297.401; F.A.C.]

**M.6.** From stack (EF), Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 10/21.  
[Rule 62-297.401; F.A.C.]

**Common Conditions - F.A.C. Test Requirements**

**M.7.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [N] This section addresses the following emissions unit(s).**

**E.U.**

**ID No.    Brief Description**

035        North Phosphoric Acid Filters

North Phosphoric Acid Filters and storage tanks emit fluoride emissions, and are controlled by a counter-current packed wet scrubber (B). CAM does not apply.

{Permitting note: This emissions unit is regulated under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards. 40 CFR 63, Subpart A - General Provisions; 40 CFR 63, Subpart AA - National Emission Standards for Hazardous Air Pollutants (NESHAP) From Phosphoric Acid Manufacturing Plants. **The Part 40 CFR 63 Subparts A and AA take precedence, however these units are subject to all applicable State Implementation Plan (SIP) rules if these units are out of compliance with the NESHAP.**}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**N.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 92.8 tons of P<sub>2</sub>O<sub>5</sub> input or Maximum Daily 1-Hour Average Rate = 102.1 tons P<sub>2</sub>O<sub>5</sub> input. 12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**N.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**N.3.** Fluoride emissions shall not exceed 1.86 lbs/hr and 8.15 TPY.

[Permit #AC24-188960]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**N.4.** Fluoride emissions stack test method shall be EPA Method 13A or 13B incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 01/29.

[Rule 62-297.401; F.A.C.]

**Common Conditions - F.A.C. Test Requirements**

N.5. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [O] This section addresses the following emissions unit(s).**

**E.U.**

**ID No. Brief Description**

036 "A" & "B" Superphosphoric Acid (SPA) Plants

"A" & "B" Superphosphoric Acid (SPA) Plants emit fluoride, and are ducted to the South Phosphoric Acid Filters counter-current packed wet scrubber. CAM does not apply.

{Permitting note(s): These emissions units are regulated under NSPS - 40 CFR 60, Subpart U, Standards of Performance for Phosphate Fertilizer Industry: Superphosphoric Acid Plants, adopted and incorporated by reference in Rule 62-204.800(7)(b)27., F.A.C.; Rule 62-212.300, F.A.C., General Preconstruction Review Requirements; Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD); 40 CFR 63, Subpart A - General Provisions; 40 CFR 63, Subpart AA - National Emission Standards for Hazardous Air Pollutants (NESHAP) From Phosphoric Acid Manufacturing Plants. **The Part 40 CFR 63 Subparts A and AA take precedence over NSPS standards, but will not take precedence over BACT determinations. However these units are subject to all applicable NSPS standards if these units are out of compliance with the NESHAP. State Implementation Plan (SIP) rules apply if these units are out of compliance with the NSPS standards or if there is no applicable NSPS standard when out of compliance with the NESHAP}**

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**O.1. Permitted Capacity.** The rate shall not exceed:

"A" SPA - the Maximum 12-MRA Hourly Rate = 42.1 tons of 100% P<sub>2</sub>O<sub>5</sub> input or Maximum Daily 1-Hour Average Rate = 46.4 tons of 100% P<sub>2</sub>O<sub>5</sub> input.

"B" SPA - the Maximum 12-MRA Hourly Rate = 42.1 tons of 100% P<sub>2</sub>O<sub>5</sub> input or Maximum Daily 1-Hour Average Rate = 46.4 tons of 100% P<sub>2</sub>O<sub>5</sub> input.

12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**O.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**O.3.** At the sample port, fluoride emissions from both A & B SPA units combined shall not exceed 0.01 lb FL per ton P<sub>2</sub>O<sub>5</sub> input; 0.84 lbs/hr and 3.68 TPY.

[Rule 62-204.800(7)(b), F.A.C.; 40 CFR 60.212, Subpart U]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**O.4.** At the sample port, Fluoride emissions stack test method shall be EPA Method 13A or 13B incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed every 5 years with a frequency base date of 10/15/94.

[Rule 62-204.800(7)(b), F.A.C.; 40 CFR 60.214, Subpart U; Rule 62-297.401; F.A.C.]

**Continuous Monitoring Requirements**

**O.5.** A mass flow continuous monitoring system shall comply with the requirements in 40 CFR 60.213 incorporated and adopted by reference in Rule 62-204.800(7)(b), F.A.C.

**O.6.** A scrubber total pressure drop continuous monitoring system shall comply with the requirements in 40 CFR 60.213 incorporated and adopted by reference in Rule 62-204.800(7)(b), F.A.C.

**Common Conditions - F.A.C. Test Requirements**

**O.7.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [P] This section addresses the following emissions unit(s).**

**E.U.**

**ID No.**

**Brief Description**

038 "B" Defluorinated Phosphate (DFP) Plant

"B" DFP Plant emits fluoride and particulate matter emissions, and is controlled by a Cross-Flow Packed Scrubber (13B). CAM applies for particulate matter, sulfur dioxide and fluoride.

{Permitting note: This emissions unit is regulated under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards; Compliance Assurance Monitoring (CAM), adopted and incorporated by reference in Rule 62-204.800, F.A.C.}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**P.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 8.25 tons of product or Maximum Daily 1-Hour Average Rate = 10 tons of product. 12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**P.2. Methods of Operation are as follows:**

Fuel fired is natural gas.

[Rule 62-213.410, F.A.C.]

**P.3. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**P.4. Fluoride emissions shall not exceed 2.5 lbs/hr and 10.5 TPY.**

[Rule 62-296.403(2), F.A.C.]

**P.5. Particulate Matter Emissions shall not exceed 14.05 lbs/hr and 59.00 TPY.**

[Rule 62-296.320(4)(a), F.A.C.]

**P.6. Sulfur Dioxide Emissions shall not exceed 8.00 lbs/hr and 35.04 TPY.**

[Permit AC24-255802]

**P.7. Visible Emissions are limited to 40% opacity.**

[Rule 62-296.320(4)(b)2., F.A.C.; Stated by applicant in the initial Title V permit application received 06-13-96]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**P.8.** Fluoride emissions stack test method shall be EPA Method 13A or 13B incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 01/19. [Rule 62-296.403(3), F.A.C.; Rule 62-297.401; F.A.C.]

**P.9.** Particulate Matter Emissions stack test method shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 01/19. [Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401; F.A.C.]

**P.10.** Sulfur Dioxide Emissions testing shall comply with the applicable in requirements Rule 62-297.401(6), F.A.C. and be performed on a 5-year cycle with frequency base date of 01/19. [Air Construction Permit No. 0470002-040-AC]

The 5-year testing frequency is justified by the low emission rate documented in previous emissions tests. The applicant has consistently presented test results that are more than 97% below the applicable standards. Furthermore, in accordance with Rule 62-297.310(7)(a)4.b., F.A.C., an annual Sulfur Dioxide compliance test is required if there is an applicable standard and if the emissions unit has a potential to emit of 100 tons per year or greater. The permitted Sulfur Dioxide limit for Emissions Unit Number 038 is 8.00 pounds per hour and 35.04 tons per year.

**P.11.** Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 01/19. [Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

**Common Conditions - F.A.C. Test Requirements**

**P.12.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.



**Subsection [Q] This section addresses the following emissions unit(s).**

<u>E.U.</u>	<u>Brief Description</u>
<u>ID No.</u> 039	"C" Auxiliary Boiler

"C" Auxiliary Boiler has a heat input rate of 155MMBTU/hr, and emits Particulate Matter and Sulfur Dioxide. CAM does not apply.

{Permitting note(s): This emissions unit is regulated under Rule 62-296.406, F.A.C., Fossil Fuel Steam Generators with less than 250 Million Btu per Hour Heat Input, New and Existing Emissions Units.}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**Q.1. Permitted Capacity.** The heat input rate shall not exceed 155 MMBTU/hr.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Q.2. Methods of Operation are as follows:**  
Fuels fired are natural gas, fuel oil with a maximum sulfur content of 1.00% or on-spec used oil with a maximum sulfur content of 1.00%.  
[Rule 62-213.410, F.A.C.]

**Q.3. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

From firing fuel oil:

**Q.4. Particulate Matter Emissions** shall not exceed 13.80 lbs/hr and 60.50 TPY.  
[Rule 62-210.200(42), F.A.C., (BACT); Rule 62-296.406(2), F.A.C.; permit #AC24-56214]

**Q.5. Sulfur Dioxide Emissions** shall not exceed 166.20 lbs/hr and 728.10.  
[Rule 62-210.200(42), F.A.C., (BACT); Rule 62-296.406(3), F.A.C.; permit #AC24-56214]

**Q.6. Visible Emissions** shall not exceed 20% opacity except 27% for one 6 min. period per hour.  
[Rule 62-296.406(1), F.A.C.; permit #AC24-56214]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**Q.7.** Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 12/31.  
[Rule 62-297.401; F.A.C.]

**Q.8.** Sulfur Dioxide Emissions in lieu of testing shall comply with the applicable in requirements Rule 62-297.440(1), F.A.C. or maintain a record of acceptable, certified analyses of all fuel oil fired and report annually with frequency base date of 03/01.

**Common Conditions - On-Spec Used Oil/Lead**

**Q.9.** This emissions unit is also subject to the On-Spec Used Oil/Lead conditions in Subsection GG.

**Common Conditions - F.A.C. Test Requirements**

**Q.10.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [R] This section addresses the following emissions unit(s).**

<u>E.U.</u>	<u>Brief Description</u>
<u>ID No.</u> 040	"D" Auxiliary Boiler

"D" Auxiliary Boiler. CAM does not apply.

{Permitting note(s): This emissions unit is regulated under Rule 62-296.406, F.A.C., Fossil Fuel Steam Generators with less than 250 Million Btu per Hour Heat Input, New and Existing Emissions Units.}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**R.1. Permitted Capacity.** The heat input rate shall not exceed 155 MMBTU/hr.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**R.2. Methods of Operation are as follows:**  
Fuels fired are natural gas, fuel oil with a maximum sulfur content of 1.00% or on-spec used oil with a maximum sulfur content of 1.00%.  
[Rule 62-213.410, F.A.C.]

**R.3. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

From firing fuel oil:

**R.4. Particulate Matter Emissions** shall not exceed 13.80 lbs/hr and 60.50 TPY.  
[Rule 62-210.200(42), F.A.C., (BACT); Rule 62-296.406(2), F.A.C.; permit #AC24-56213]

**R.5. Sulfur Dioxide Emissions** shall not exceed 166.20 lbs/hr and 728.10.  
[Rule 62-210.200(42), F.A.C., (BACT); Rule 62-296.406(3), F.A.C.; permit #AC24-56213]

**R.6. Visible Emissions** shall not exceed 20% opacity except 27% for one 6 min. period per hour.  
[Rule 62-296.406(1), F.A.C.; permit #AC24-56213]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**R.7.** Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 12/31.  
[Rule 62-297.401; F.A.C.]

**R.8.** Sulfur Dioxide Emissions in lieu of testing shall comply with the applicable in requirements Rule 62-297.440(1), F.A.C. or maintain a record of acceptable, certified analyses of all fuel oil fired and report annually with frequency base date of 03/01.

**Common Conditions - On-Spec Used Oil/Lead**

**R.9.** This emissions unit is also subject to the On-Spec Used Oil/Lead conditions in Subsection GG.

**Common Conditions - F.A.C. Test Requirements**

**R.10.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [S] This section addresses the following emissions unit(s).**

**E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
042	Defluorinated Phosphate (DFP) Feed Prep

DFP Feed Prep emits particulate matter, and are controlled by the following controls and corresponding emissions points: 1) Emissions Point (EP) 11 - Dryer wet scrubber, 2) EP 10 – Baghouse, 3) EP 9 - Rock bin Baghouse, 4) EP L1 - Limestone silo Baghouse, 5) EP L2 - Limestone surge bin Baghouse, and 6) EP SA2 - Soda ash bin Baghouse. CAM does apply for particulate matter.

{Permitting note: This emissions unit is regulated under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards; Compliance Assurance Monitoring (CAM), adopted and incorporated by reference in Rule 62-204.800, F.A.C.}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**S.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 48.94 tons of input or Maximum Daily 1-Hour Average Rate = 54 tons of input. 12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**S.2. Methods of Operation are as follows:**

Fuels fired are natural gas or fuel oil with a maximum sulfur content of 1.50%.

[Rule 62-213.410, F.A.C.]

**S.3. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**S.4.** From EP 11, Particulate Matter Emissions shall not exceed 31.99 lbs/hr and 134.35 TPY.

[Rule 62-296.320(4)(a), F.A.C.]

**S.5.** From EP 11, Sulfur Dioxide Emissions shall not exceed 4.90 lbs/hr and 20.58.

[Used in a SO2 model]

**S.6.** From EP 11, Visible Emissions shall not be equal to greater than 20% opacity.

[Rule 62-296.320(4)(b), F.A.C.]

**S.7.** From EP 10, Visible Emissions shall not exceed 5% opacity.

[Rule 62-297.620(4), F.A.C.]

**S.8.** From EP 9, Visible Emissions shall not exceed 5% opacity.  
[Rule 62-297.620(4), F.A.C.]

**S.9.** From EP L1, Visible Emissions shall not exceed 5% opacity.  
[Rule 62-297.620(4), F.A.C.]

**S.10.** From EP L2, Visible Emissions shall not exceed 5% opacity.  
[Rule 62-297.620(4), F.A.C.]

**S.11.** From EP SA1, Visible Emissions shall not exceed 5% opacity.  
[Rule 62-297.620(4), F.A.C.]

**S.12.** From EP SA2, Visible Emissions shall not exceed 5% opacity.  
[Rule 62-297.620(4), F.A.C.]

### **Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**S.13.** From EP 11, Particulate Matter Emissions stack test method shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 10/05.  
[Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401; F.A.C.]

**S.14.** Sulfur Dioxide Emissions in lieu of testing shall comply with the applicable in requirements Rule 62-297.440(1), F.A.C. or maintain a record of acceptable, certified analyses of all fuel oil fired and report annually with frequency base date of 03/01.

**S.15.** From EP 11, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 10/05.  
[Rule 62-297.401; F.A.C.]

**S.16.** From EP 10, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 10/05.  
[Rule 62-297.401; F.A.C.]

**S.17.** From EP 9, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 10/05.  
[Rule 62-297.401; F.A.C.]

**S.18.** From EP L1, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 10/05.  
[Rule 62-297.401; F.A.C.]

**S.19.** From EP L2, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 10/05.  
[Rule 62-297.401; F.A.C.]

**S.20.** From EP SA1, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 10/05. [Rule 62-297.401; F.A.C.]

**S.21.** From EP SA2, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 10/05. [Rule 62-297.401; F.A.C.]

**Common Conditions - F.A.C. Test Requirements**

**S.22.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [T] This section addresses the following emissions unit(s).**

**E.U.**

**ID No.    Brief Description**

044    "A" & "B" Defluorinated Phosphate (DFP) Coolers

"A" & "B" DFP Coolers emit particulate matter, and each are controlled by a cyclonic wet scrubber that exhaust through a common stack (EP 12). CAM does not apply.

{Permitting note(s): These emissions units are regulated under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards; and Rule 62-296.403, F.A.C., Phosphate Processing; Compliance Assurance Monitoring (CAM), adopted and incorporated by reference in Rule 62-204.800, F.A.C.}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**T.1. Permitted Capacity.** The rate for each DFP Cooler "A" & "B" shall not exceed the Maximum 12-MRA Hourly Rate = 8.25 tons of product or Maximum Daily 1-Hour Average Rate = 10 tons of product.

12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**T.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**T.3.** Fluoride emissions shall not exceed 1.42 lbs/hr and 5.96 TPY.

[Rule 62-296.403(2), F.A.C.]

**T.4.** Particulate Matter Emissions shall not exceed 25.04 lbs/hr and 105.17 TPY.

[Rule 62-296.320(4)(a), F.A.C.]

**T.5.** Visible Emissions shall not be equal to greater than 20% opacity.

[Rule 62-296.320(4)(b), F.A.C.]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}



**T.6.** Fluoride emissions stack test method shall be EPA Method 13A or 13B incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 11/29. [Rule 62-296.403(3), F.A.C.; Rule 62-297.401; F.A.C.]

**T.7.** Particulate Matter Emissions stack test method shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 11/29. [Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401; F.A.C.]

**T.8.** Visible Emissions test method shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 11/29. [Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

**Common Conditions - F.A.C. Test Requirements**

**T.9.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [U] This section addresses the following emissions unit(s).**

**E.U.**

**ID No.    Brief Description**

054      Molten Sulfur System for "C" & "D" Sulfuric Acid Plants

Molten Sulfur System for "C" & "D" Sulfuric Acid Plants consist of a rail & truck unloading system with transfer point venting, receiving pit, supply pit, and storage tank. The EU has an emission limitation for visible emissions. CAM does not apply.

{Permitting note(s): This emissions unit is regulated under Rule 62-296.411, F.A.C., Sulfur Storage and Handling Facilities.}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**U.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 77.08 tons of throughput or Maximum Daily 1-Hour Average Rate = 85 tons throughput. 12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages. Throughput rate corresponds to the sulfur feed rate to the sulfuric acid plants. [Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**U.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year. [Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**U.3. Visible Emissions** shall not exceed 20% opacity (six minute average). [Rule 62-296.411(1)(g), F.A.C.]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**U.4. Visible Emissions test method** shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed on a 5-year cycle with a frequency base date of 08/15. [Rule 62-296.411(1)(j), F.A.C.; Rule 62-297.401; F.A.C., Air Construction Permit No. AC24-171596; Title V Permit Revision No. 0470002-041-AV]

The pre-Title V permits (Nos. AC24-171596 and AO24-187726) for the Molten Sulfur System at Suwannee River required visible emission testing on a five-year cycle. When the FINAL Title V Permit No. 0470002-033-AV was issued, it was inadvertently made an annual requirement. This Title V Permit Revision is to reflect the 5-year testing frequency that was in the previously

construction permit. Furthermore, a file review indicates that on August 15, 1990, the Department made the decision to reduce the testing frequency to every 5 years due to the very low actual emissions.

**Common Conditions - F.A.C. Test Requirements**

U.5. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [V] This section addresses the following emissions unit(s).**

**E.U.**

**ID No.    Brief Description**

061        Green Superphosphoric Acid (SPA) Plant

Green Superphosphoric Acid (SPA) Plant emits fluoride emissions which are controlled by a cross-flow packed wet scrubber. This process changes the color of hot SPA from black to green using an oxidant. CAM does not apply.

{Permitting note: This emissions unit is regulated under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards. 40 CFR 63, Subpart A - General Provisions; 40 CFR 63, Subpart AA - National Emission Standards for Hazardous Air Pollutants (NESHAP) From Phosphoric Acid Manufacturing Plants. **The Part 40 CFR 63 Subparts A and AA take precedence, however these units are subject to all applicable State Implementation Plan (SIP) rules if these units are out of compliance with the NESHAP.**}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**V.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 25.2 tons of 100% P<sub>2</sub>O<sub>5</sub> input or Maximum Daily 1-Hour Average Rate = 27.7 tons of 100% P<sub>2</sub>O<sub>5</sub> input. 12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**V.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**V.3.** At sample port, fluoride emissions shall not exceed 0.23 lb/hr and 1.01 TPY.

[Requested by applicant; Permit #AC24-205170]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**V.4.** Fluoride emissions stack test method shall be EPA Method 13A or 13B incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 06/14. [Rule 62-297.401; F.A.C.]

**Common Conditions - F.A.C. Test Requirements**

**V.5.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [W] This section addresses the following emissions unit(s).**

**E.U.**

**ID No.    Brief Description**

062        Defluorinated Phosphate (DFP) Product Prep

DFP Product Prep emits particulate matter which is controlled by the following emissions points (EP); EP 14, Product sizing & crushing controlled by a baghouse, and EP 16, Product storage silos "A", "B" and "C" & shipping operations controlled by a baghouse. CAM does not apply.

Alternative Methods of operation were introduced with Air Construction Permit 0470002-45-AC. This Construction Permit added an enclosed drag conveyor and an enclosed bucket elevator to deliver Defluorinated Phosphate (DFP) Product from railcars into product storage silos "A" and "B" as an alternate method of operation. Hopper cars will be spotted using an existing railcar puller over a new unloading point located on the rail immediately east of the DFP Storage Silos "A", "B", and "C". A Trac-Jac boot lift will be used in the unloading of DFP into a new, bucket elevator through a new enclosed drag flight conveyor. The new elevator will discharge DFP to either Silos "A" or "B". The boot lift will seal to the bottom of the hopper car to minimize spillage and dusting during the unloading process. The conveyor and elevator will be ducted to the same, existing baghouse currently utilized by Silos "A", "B", and "C".

{Permitting note(s): This emissions unit is regulated under Rule 62-296.411, F.A.C., Sulfur Storage and Handling Facilities; Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards.}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**W.1. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year, and shall be recorded.

[Rules 62-4.160(2), 62-210.200(PTE), F.A.C., and Air Construction Permit 0470002-045-AC]

**W.2. Alternative Method of Operation.**

Method No.	Description
1	Unloading DFP via Railcar
2	DFP Product storage and shipping operations

[Air Construction Permit 0470002-045-AC]

**W.3. Permitted Capacity:** While operating in Method No. 1, the maximum unloading rate to either silo A or B or the combined total to both silos A and B at the same time, shall not exceed 90 TPH. While operating in Method No. 2, the maximum discharge rate from the three silos, "A", "B", and "C", shall not exceed 100 TPH of DFP.<sup>1</sup>

<sup>1</sup> One or more silos may discharge at the same time.

[Air Construction Permit 0470002-045-AC]

### **Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**W.4.** From EP 14, Visible Emissions shall not exceed 5% opacity.  
[Rule 62-297.620(4), F.A.C.]

**W.5.** From EP 16, Visible Emissions shall not exceed 5% opacity.  
[Rule 62-297.620(4), F.A.C.]

**W.6. Unconfined Particulate Matter Emissions.** No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any emissions unit whatsoever, including, but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrially related activities such as loading, unloading, storing or handling, without taking reasonable precautions to prevent such emissions. Reasonable precautions shall include, but are not limited to the following:

- Use of the Trac-Jac boot lift during the unloading of DFP from hopper cars
- Use of enclosed drag conveyor
- Use of enclosed bucket elevator

[Rule 62-296.320(4)(c)1, F.A.C. and Air Construction Permit 0470002-045-AC]

**W.7. Circumvention of Control Devices:** The permittee shall not allow any person to circumvent any pollution control device nor allow the emissions of air pollutants without the applicable air pollution control device operating properly.

[Rule 62-210.650, F.A.C. and Air Construction Permit 0470002-045-AC]

### **Compliance Monitoring and Testing Requirements**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**W.8.** From EP 14, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C., and shall conduct a formal compliance test during each federal fiscal year (October 1 - September 30) unless otherwise specified by rule, order, or permit.

[Rule 62-297.401; F.A.C. and Rule 62-297.310(7)(a)4.a, F.A.C.]

**W.9.** From EP 16, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C., and shall conduct a formal compliance test during each federal fiscal year (October 1 - September 30) unless otherwise specified by rule, order, or permit.

[Rule 62-297.401; F.A.C. and Rule 62-297.310(7)(a)4.a, F.A.C.]

**W.10.** From the Baghouse, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C., and shall conduct a formal compliance test during each federal fiscal year (October 1 - September 30) unless otherwise specified by rule, order, or permit.

[Rule 62-297.401; F.A.C., Rule 62-297.310(7)(a)4.a, F.A.C., and Air Construction Permit 0470002-045-AC]

**W.11. Special Compliance Tests.** When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.

[Rule 62-297.320(7)(b), F.A.C. and Air Construction Permit 0470002-045-AC]

**Reporting and Recordkeeping Requirements**

**W.12. Reporting and Recordkeeping.** The owner or operator shall maintain a complete file of the following information on a legible form, shall be retained for at least three years and available for inspection:

- A. Maximum unloading rate;
- B. Maximum discharge rate;

[Rule 62-4.160(14)(b), F.A.C. and Air Construction Permit 0470002-045-AC]

**W.13. Compliance Test Reports:** Reports of the required compliance tests shall be submitted as soon as practical but no later than 45 days after the last test is completed. Each test report shall include the maximum input / production rate at which this source was operated since the most recent test.

[Rule 62-297.310(8)(b), F.A.C. and Air Construction Permit 0470002-045-AC]

**W.14. Annual Operating Report:** The owner or operator shall submit an Annual Operating Report for Air Pollutant Emitting Facility (DEP Form No. 62-210.900(5)) to the Department annually pursuant to Rule 62-210.370(3), F.A.C.

[Rule 62-210.300(3)(c)1.h., F.A.C. and Air Construction Permit 0470002-045-AC]

**Common Conditions - F.A.C. Test Requirements**

**W.15.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.



**Subsection [X] This section addresses the following emissions unit(s).**

**E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
064	Swift Creek Mine Rock Dryer

SCM Rock Dryer is a phosphate rock dryer, with a fluid bed exhausting through a two-stage wet cyclonic scrubber to control particulate matter emissions. CAM does not apply.

{Permitting note: This emissions unit is regulated under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards. 40 CFR 63, Subpart A - General Provisions; 40 CFR 63, Subpart AA - National Emission Standards for Hazardous Air Pollutants (NESHAP) From Phosphoric Acid Manufacturing Plants. **The Part 40 CFR 63 Subparts A and AA take precedence, however these units are subject to all applicable State Implementation Plan (SIP) rules if these units are out of compliance with the NESHAP.**}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**X.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 475 tons of input or Maximum Daily 1-Hour Average Rate = 525 tons of input.

12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**X.2. Methods of Operation** - It is fired primarily with natural gas. No. 6 fuel oil with sulfur content not to exceed 1.30 % which may contain on-spec used oil with sulfur content not to exceed 1.0 % is fired as fuel when natural gas is not available.

[Rule 62-213.410, F.A.C.]

**X.3. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**X.4. Particulate Matter Emissions** shall not exceed 46.40 lbs/hr and 203.23 TPY.

[Rule 62-296.320(4)(a), F.A.C.]

**X.5. Sulfur Dioxide Emissions** shall not exceed 38.10 lbs/hr and 166.88 TPY.

[Used in 02/81 model]

**X.6. Visible Emissions** shall not be equal to greater than 20% opacity.

[Rule 62-296.320(4)(b), F.A.C.]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**X.7.** Particulate Matter emissions stack test method shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 05/18. [Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401; F.A.C.]

**X.8.** Sulfur Dioxide Emissions in lieu of testing shall comply with the applicable in requirements Rule 62-297.440(1), F.A.C. or maintain a record of acceptable, certified analyses of all fuel oil fired and report annually with frequency base date of 03/01.

**X.9.** Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 05/18. [Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

**Common Conditions - On-Spec Used Oil/Lead**

**X.10.** This emissions unit is also subject to the On-Spec Used Oil/Lead conditions in Subsection GG.

**Common Conditions - F.A.C. Test Requirements**

**X.11.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [Y] This section addresses the following emissions unit(s).**

E.U.

<u>ID No.</u>	<u>Brief Description</u>
065	Swift Creek Mine Silos

Swift Creek Mine Silos Mineral Storage and Conveyor System use a wet scrubber to control particulate matter emissions. CAM does apply for particulate matter.

{Permitting note: This emissions unit is regulated under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards; Compliance Assurance Monitoring (CAM), adopted and incorporated by reference in Rule 62-204.800, F.A.C.}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**Y.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 475 tons of input or Maximum Daily 1-Hour Average Rate = 525 tons of input. 12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**Y.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**Y.3. Particulate Matter Emissions** shall not exceed 46.40 lbs/hr and 203.20 TPY.  
[Rule 62-296.320(4)(a), F.A.C.]

**Y.4. Visible Emissions** shall not be equal to greater than 20% opacity.  
[Rule 62-296.320(4)(b), F.A.C.]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**Y.5. Particulate Matter emissions test method** shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 04/10.  
[Rule 62-296.320(4)(a)3., F.A.C.; Rule 62-297.401; F.A.C.]

**Y.6.** Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 04/10.  
[Rule 62-296.320(4)(b)4., F.A.C.; Rule 62-297.401; F.A.C.]

**Common Conditions - F.A.C. Test Requirements**

**Y.7.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [Z]. This section addresses the following emissions unit(s).**

**E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
066	"E" Sulfuric Acid Plant

"E" Sulfuric Acid Plant is a double absorption process that produces sulfuric acid and controls sulfur dioxide (SO<sub>2</sub>) emissions. The emissions unit uses a Brinks mist eliminator to control sulfuric acid mist (SAM). CAM does not apply.

{Permitting note(s): This emissions unit is regulated under NSPS - 40 CFR 60, Subpart H, Standards of Performance for Sulfuric Acid, adopted and incorporated by reference in Rule 62-204.800(7)(b)10., F.A.C.; Rule 62-212.300, F.A.C., General Preconstruction Review Requirements; Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD); and Rule 296.402, F.A.C., Sulfuric Acid Plants.}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**Z.1. Permitted Capacity.** The production rate shall not exceed 2500 TPD of 100% H<sub>2</sub>SO<sub>4</sub> or 104.20 TPH.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Z.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**Z.3. Sulfur Dioxide Emissions** shall not exceed 4 lbs/ton of 100% H<sub>2</sub>SO<sub>4</sub>, 416.67 lbs/hr and 1820.00 TPY.  
[Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.82]

**Z.4. Sulfuric Acid Mist (SAM) Emissions** shall not exceed 0.15 lb/ton of 100% H<sub>2</sub>SO<sub>4</sub>, 15.62 lbs/hr and 68.20 TPY.  
[Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.83]

**Z.5. Visible Emissions** shall not exceed 10% opacity.  
[Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.83]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**Z.6.** Sulfur Dioxide Emissions stack test method shall be EPA Method 8 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 06/04. [Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.85; Rule 62-297.401; F.A.C.]

**Z.7.** Sulfuric acid mist emissions stack test method shall be EPA Method 8 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 06/04. [Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.85; Rule 62-297.401; F.A.C.]

**Z.8.** Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 06/04. [Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.85; Rule 62-297.401; F.A.C.]

**Continuous Monitoring Requirements**

**Z.9.** A Sulfur Dioxide continuous monitoring system shall comply with the requirements in 40 CFR 60.84 incorporated and adopted by reference in Rule 62-204.800(7)(b), F.A.C.

**Common Conditions - F.A.C. Test Requirements**

**Z.10.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [AA]. This section addresses the following emissions unit(s).**

**E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
067	"F" Sulfuric Acid Plant

"F" Sulfuric Acid Plant is a double absorption process that produces sulfuric acid and controls sulfur dioxide (SO<sub>2</sub>) emissions. The emissions unit uses a Brinks mist eliminator to control sulfuric acid mist (SAM). CAM does not apply.

{Permitting note(s): This emissions unit is regulated under NSPS - 40 CFR 60, Subpart H, Standards of Performance for Sulfuric Acid, adopted and incorporated by reference in Rule 62-204.800(7)(b)10., F.A.C.; Rule 62-212.300, F.A.C., General Preconstruction Review Requirements; Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD); and Rule 296.402, F.A.C., Sulfuric Acid Plants.}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**AA.1. Permitted Capacity.** The production rate shall not exceed 2500 TPD of 100% H<sub>2</sub>SO<sub>4</sub> or 104.20 TPH.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**AA.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**AA.3.** Sulfur Dioxide Emissions shall not exceed 4 lbs/ton of 100% H<sub>2</sub>SO<sub>4</sub>, 416.67 lbs/hr and 1820.00 TPY.  
[Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.82]

**AA.4.** Sulfuric Acid Mist (SAM) Emissions shall not exceed 0.15 lb/ton of 100% H<sub>2</sub>SO<sub>4</sub>, 15.62 lbs/hr and 68.20 TPY.  
[Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.83]

**AA.5.** Visible Emissions shall not exceed 10% opacity.  
[Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.83]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**AA.6.** Sulfur Dioxide Emissions stack test method shall be EPA Method 8 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 06/04. [Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.85; Rule 62-297.401; F.A.C.]

**AA.7.** Sulfuric acid mist emissions stack test method shall be EPA Method 8 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 06/04. [Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.85; Rule 62-297.401; F.A.C.]

**AA.8.** Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 06/04. [Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.85; Rule 62-297.401; F.A.C.]

**Continuous Monitoring Requirements**

**AA.9.** A Sulfur Dioxide continuous monitoring system shall comply with the requirements in 40 CFR 60.84 incorporated and adopted by reference in Rule 62-204.800(7)(b), F.A.C.

**Common Conditions - F.A.C. Test Requirements**

**AA.10.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.



**Subsection [BB] This section addresses the following emissions unit(s).**

E.U.

<u>ID No.</u>	<u>Brief Description</u>
068	"E" Auxiliary Boiler

"E" Auxiliary Boiler has a heat input rate of 156 MMBTU/hr, and emission limits for particulate matter, sulfur dioxide and visible emissions. CAM does not apply.

{Permitting note(s): This emissions unit is regulated under Rule 62-296.406, F.A.C., Fossil Fuel Steam Generators with less than 250 Million Btu per Hour Heat Input, New and Existing Emissions Units.}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**BB.1. Permitted Capacity.** The heat input rate shall not exceed 156 MMBTU/hr.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**BB.2. Methods of Operation are as follows:**

Fuels fired are natural gas, #6 fuel oil with a maximum sulfur content of 1.00% or on-spec used oil with a maximum sulfur content of 1.00%.

[Rule 62-213.410, F.A.C.]

**BB.3. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year, except when firing #6 fuel oil, the hours of operation for this emissions unit shall not exceed 8518 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit #AC24-56210]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

From firing fuel oil:

**BB.4. Particulate Matter Emissions** shall not exceed 13.90 lbs/hr and 59.2 TPY.  
[Rule 62-210.200(42), F.A.C. (BACT); Rule 62-296.406(2); permit #AC24-56210]

**BB.5. Sulfur Dioxide Emissions** shall not exceed 170.70 lbs/hr and 727.00.  
[Rule 62-210.200(42), F.A.C. (BACT); Rule 62-296.406(3); permit #AC24-56210]

**BB.6. Visible Emissions** shall not exceed 20% opacity except 27% for one 6 min. period per hour.  
[Rule 62-296.406(1); permit #AC24-56210]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**BB.7.** Sulfur Dioxide Emissions in lieu of testing shall comply with the applicable requirements Rule 62-297.440(1), F.A.C. or maintain a record of acceptable, certified analyses of all fuel oil fired and report annually with frequency base date of 03/01.

**BB.8.** Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 12/31.  
[Rule 62-297.401; F.A.C.]

**Common Conditions - On-Spec Used Oil/Lead**

**BB.9.** This emissions unit is also subject to the On-Spec Used Oil/Lead conditions in Subsection GG.

**Common Conditions - F.A.C. Test Requirements**

**BB.10.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [CC] This section addresses the following emissions unit(s).**

E.U.

<u>ID No.</u>	<u>Brief Description</u>
069	"D" Phosphoric Acid Plant

"D" Phosphoric Acid Plant emits fluoride and particulate matter emissions, and the emissions are controlled by a wet scrubber. CAM does not apply.

{Permitting note: This emissions unit is regulated under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards. 40 CFR 63, Subpart A - General Provisions; NSPS - 40 CFR 60, Subpart T, Standards of Performance (NSPS) for the Phosphate Fertilizer Industry: Wet-Process Phosphoric Acid Plants, adopted and incorporated by reference in Rule 62-204.800(7)(b)26., F.A.C.; 40 CFR 63, Subpart AA - National Emission Standards for Hazardous Air Pollutants (NESHAP) From Phosphoric Acid Manufacturing Plants. **The Part 40 CFR 63 Subparts A and AA take precedence over NSPS standards, but will not take precedence over BACT determinations. However these units are subject to all applicable NSPS standards if these units are out of compliance with the NESHAP. State Implementation Plan (SIP) rules apply if these units are out of compliance with the NSPS standards or if there is no applicable NSPS standard when out of compliance with the NESHAP}**

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**CC.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 85.22 tons of 100% P<sub>2</sub>O<sub>5</sub> input (from 274.92 TPH of 31% phosphate rock) or Maximum Daily 1-Hour Average Rate = 95 tons 100% P<sub>2</sub>O<sub>5</sub> input.

12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**CC.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**CC.3.** Fluoride emissions shall not exceed 1.70 lb/hr and 7.43 TPY.

[Rule 62-204.800(7)(b)25., F.A.C.; 40 CFR 60.202, Subpart T]

**CC.4.** Particulate Matter Emissions shall not exceed 42.52 lbs/hr and 185.73 TPY.

[Rule 62-296.320(4)(a), F.A.C.]

**CC.5.** Visible Emissions shall not be equal to greater than 20% opacity.

[Rule 62-296.320(4)(b), F.A.C.]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**CC.6.** Fluoride emissions stack test method shall be EPA Method 13A or 13B incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 06/18.

[Rule 62-204.800(7)(b)25., F.A.C.; 40 CFR 60.202, Subpart T; Rule 62-297.401; F.A.C.]

**CC.7.** Particulate Matter Emissions stack test method shall be EPA Method 5 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed every five years or request with a frequency base date 06/18/95.

[Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401; F.A.C.]

**CC.8.** Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 06/18.

[Rule 62-296.320(4)(b), F.A.C. Rule 62-297.401; F.A.C.]

**Continuous Monitoring Requirements**

**CC.9.** A mass flow continuous monitoring system shall comply with the requirements in 40 CFR 60.203 incorporated and adopted by reference in Rule 62-204.800(7)(b), F.A.C.

**CC.10.** A scrubber total pressure drop continuous monitoring system shall comply with the requirements in 40 CFR 60.203 incorporated and adopted by reference in Rule 62-204.800(7)(b), F.A.C.

**Common Conditions - F.A.C. Test Requirements**

**CC.11.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [DD] This section addresses the following emissions unit(s).**

**E.U.**

**ID No.    Brief Description**

070        "C" & "D" Superphosphoric Acid (SPA) Plants

"C" & "D" Superphosphoric Acid (SPA) Plants and east & west phosphoric acid storage tanks emit fluoride, and are controlled by a scrubber. Since the Synspar Plant has no air emissions, the limerock (LR) bin associated with this emission unit is included here for recordkeeping purposes. The particulate matter emissions from this bin are controlled by a bag collector. CAM does not apply.

{Permitting note(s): These emissions units are regulated under NSPS - 40 CFR 60, Subpart U, Standards of Performance for Phosphate Fertilizer Industry: Superphosphoric Acid Plants, adopted and incorporated by reference in Rule 62-204.800(7)(b)27., F.A.C.; Rule 62-212.300, F.A.C., General Preconstruction Review Requirements; Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD); 40 CFR 63, Subpart A - General Provisions; 40 CFR 63, Subpart AA - National Emission Standards for Hazardous Air Pollutants (NESHAP) From Phosphoric Acid Manufacturing Plants. **The Part 40 CFR 63 Subparts A and AA take precedence over NSPS standards, but will not take precedence over BACT determinations. However these units are subject to all applicable NSPS standards if these units are out of compliance with the NESHAP. State Implementation Plan (SIP) rules apply if these units are out of compliance with the NSPS standards or if there is no applicable NSPS standard when out of compliance with the NESHAP}**

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**DD.1. Permitted Capacity.** The combined rate shall not exceed the Maximum 12-MRA Hourly Rate = 84.2 tons of 100% P<sub>2</sub>O<sub>5</sub> input or Maximum Daily 1-Hour Average Rate = 95 tons of 100% P<sub>2</sub>O<sub>5</sub> input. 12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**DD.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**DD.3.** From stack, Fluoride emissions shall not exceed 0.01 lb FL per ton P<sub>2</sub>O<sub>5</sub> input; 0.84 lbs/hr and 3.69 TPY.

[Rule 62-204.800(7)(b), F.A.C.; 40 CFR 60.212, Subpart U]

**DD.4.** From vent (LR), Visible Emissions shall not exceed 5% opacity.

[Rule 62-297.620(4), F.A.C.]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**DD.5** Fluoride emissions stack test method shall be EPA Method 13A or 13B incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed every 5 years with a frequency base date 09/04/95.

[Rule 62-204.800(7)(b), F.A.C.; 40 CFR 60.214, Subpart U; Rule 62-297.401; F.A.C.]

**DD.6.** From vent (LR), Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 09/04.

[Rule 62-297.401; F.A.C.]

**Continuous Monitoring Requirements**

**DD.7.** A mass flow continuous monitoring system shall comply with the requirements in 40 CFR 60.213 incorporated and adopted by reference in Rule 62-204.800(7)(b), F.A.C.

**DD.8.** A scrubber total pressure drop continuous monitoring system shall comply with the requirements in 40 CFR 60.213 incorporated and adopted by reference in Rule 62-204.800(7)(b), F.A.C.

**Common Conditions - F.A.C. Test Requirements**

**DD.9.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [EE] This section addresses the following emissions unit(s).**

**E.U.**

<b><u>ID No.</u></b>	<b><u>Brief Description</u></b>
071	Acid Clarification Plant

Acid Clarification Plant emits fluoride, and the emissions are controlled by a wet scrubber. CAM does not apply.

{Permitting note: This emissions unit is regulated under Best Available Control Technology (BACT) Determination, dated February 28, 1978; 40 CFR 63, Subpart A - General Provisions; 40 CFR 63, Subpart AA - National Emission Standards for Hazardous Air Pollutants (NESHAP) From Phosphoric Acid Manufacturing Plants. **The Part 40 CFR 63 Subparts A and AA take precedence, however these units are subject to all applicable State Implementation Plan (SIP) rules if these units are out of compliance with the NESHAP, but will not take precedence over BACT determinations.** }

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**EE.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 90.18 tons of 100% P<sub>2</sub>O<sub>5</sub> input or Maximum Daily 1-Hour Average Rate = 100 tons 100% P<sub>2</sub>O<sub>5</sub> input. 12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**EE.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**EE.3.** Fluoride emissions shall not exceed (0.05 lb FL per ton P<sub>2</sub>O<sub>5</sub> input)<sup>1</sup>; 4.51 lbs/hr and 19.75 TPY. [Rule 62-210.200(42), F.A.C.; (<sup>1</sup>BACT from AC24-2722 issued 02-28-78)]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**EE.4.** Fluoride emissions stack test method shall be EPA Method 13A or 13B incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 06/17.

[Rule 62-297.401; F.A.C.]

**Common Conditions - F.A.C. Test Requirements**

**EE.5.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.



**Subsection [FF] This section addresses the following emissions unit(s).**

**E.U.**

**ID No.    Brief Description**

072      Molten Sulfur System for "E" & "F" Sulfuric Acid Plants

The Molten Sulfur System for "E" & "F" Sulfuric Acid Plants consists of a rail & truck unloading system with following emission points: 1) RP - receiving pit, 2) FP - feed pit, 3) S1 - storage tanks vents (1-7), and 4) S2 - storage tanks vents (1-7). CAM does not apply.

{Permitting note(s): This emissions unit is regulated under Rule 62-296.411, F.A.C., Sulfur Storage and Handling Facilities.}

**The following specific conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

**FF.1. Permitted Capacity.** The rate shall not exceed the Maximum 12-MRA Hourly Rate = 68.75 tons of throughput or Maximum Daily 1-Hour Average Rate = 76 tons throughput. 12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

Throughput rate corresponds to the sulfur feed rate to the sulfuric acid plants.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; permit 0470002-034-AC]

**FF.2. Hours of Operation.** The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**FF.3. Visible Emissions** shall not exceed 20% opacity (six minute average) from each vent below:

RP - receiving pit

FP - feed pit

S1 - storage tanks vents (1-7)

S2 - storage tanks vents (1-7)

[Rule 62-296.411(1)(g), F.A.C.]

**Test Methods and Procedures**

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**FF.4. Visible Emissions test method** shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed every 5 years with a frequency base date 08/15/95 for each vent below:

RP - receiving pit

FP - feed pit

S1 - storage tanks vents (1-7)

S2 - storage tanks vents (1-7)

[Rule 62-297.401; F.A.C.]

**Common Conditions - F.A.C. Test Requirements**

**FF.5.** This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection HH.

**Subsection [GG]. Common Conditions - On-Spec Used Oil/Lead**

<u>E.U. ID No.</u>	<u>Sub-section</u>	<u>Brief Description</u>
039	V	'C' Auxiliary Boiler
040	W	'D' Auxiliary Boiler
068	HH	'E' Auxiliary Boiler
009	G	SRM East Rock Dryer
017	L	SRM West Rock Dryer
064	DD	SCM Rock Dryer
004	D	X-Train
008	F	Y-Train
032	Q	Z-Train

**The following conditions apply to the emissions unit(s) listed above:**

**GG. 1.** The lead emissions cap for the facility is 9.4 TPY. The on-specification used oil fired in the 'C', 'D' & 'E' Auxiliary Boilers should not exceed 23,000,000 gallons per year which at 100 ppm yields 9.0 TPY of lead emissions. The on-specification used oil fired in the other emissions unit(s) listed above shall not exceed 0.4 TPY of lead emissions.

[Requested by the Applicant]

**GG.2.** The on-spec used oil prior to blending shall comply with the limits listed below and shall be recorded:

<b>ON-SPEC USED OIL SPECIFICATIONS</b>	
<b>Constituent/Property</b>	<b>Allowable Level</b>
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Total Halogens	1,000 ppm maximum
Flash Point	100°F minimum

[40 CFR 761]

**GG.3.** On-specification used oil may be fired as follows:

1. At any time provided the maximum concentration of PCBs shall be less than 2 ppm and whether generated on or off-site. The analysis and recordkeeping requirements apply to each amount prior to blending even if to be blended with 90% virgin oil.
2. Only during normal operation temperature and not during startup or shutdown if the maximum concentration of PCBs is  $\geq 2$  but  $< 50$  ppm.

[40 CFR 761]

**GG.4.** A certified on-specification used oil analysis of each delivery prior to blending shall be retained (in lieu of testing) and reported as part of the AOR.

[Rule 62-210.370(3), F.A.C.]

**GG.5.** A lead emissions report shall be submitted by each March 01 as part of the AOR in a table format showing all of data and results required to document that the LEAD CAP has not been exceeded for the previous calendar year.

[Rule 62-210.370(3), F.A.C.]

**Subsection [HH]. Common Conditions - F.A.C. Test Requirements**

<u>Sub-section</u>	<u>E.U. ID No.</u>	<u>Brief Description</u>	<u>Page</u>
A.	001	#2 Phosphate Rock Grinder	7
B.	002	"A" Phosphoric Acid Plant	8
C.	003	"A" Defluorinated Phosphate (DFP) Plant	10
D.	004	X-Train (Dical process)	12
E.	008	"Y" Train (#1 DAP Plant)	16
F.	010	#1 MAP/DAP/GTSP Storage Building	20
G.	015	MAP/DAP Screen/Ship	23
H.	019	"C" Phosphoric Acid Plant	27
I.	020	"B" Phosphoric Acid Plant	29
J.	021	"C" Sulfuric Acid Plant	31
K.	022	"D" Sulfuric Acid Plant	33
L.	032	Z-Train (#2 DAP)	35
M.	034	South Phosphoric Acid Filters	37
N.	035	North Phosphoric Acid Filters	38
O.	036	"A" and "B" Superphosphoric Acid Plants	39
P.	038	"B" Defluorinated Phosphate (DFP) Plant	41
Q.	039	"C" Auxiliary Boiler	43
R.	040	"D" Auxiliary Boiler	45
S.	042	Defluorinated Phosphate (DFP) Feed Prep	48
T.	044	"A" and "B" Defluorinated Phosphate (DFP) Coolers	51
U.	054	Molten Sulfur System	53
V.	061	Green Superphosphoric Plant	54
W.	062	Defluorinated Phosphate (DFP) Silos	55
X.	064	SCM Rock Dryer	56
Y.	065	SCM Silos	58
Z.	066	"E" Sulfuric Acid Plant	59
AA.	067	"F" Sulfuric Acid Plant	61
BB.	068	"E" Auxiliary Boiler	63
CC.	069	"D" Phosphoric Acid Plant	65
DD.	070	"C" and "D" Superphosphoric Acid Plants	67
EE.	071	Acid Clarification plant	69
FF.	072	Molten Sulfur System	70

**The following specific conditions may apply to the emissions unit(s) listed above:**

**{Permitting Note: The following conditions are placed here as a convenience and to avoid duplication. See specific conditions in Subsections A through FF for applicability.}**

62-297.310 General Compliance Test Requirements.

The focal point of a compliance test is the stack or duct which vents process and/or combustion gases and air pollutants from an emissions unit into the ambient air.

(1) Required Number of Test Runs. For mass emission limitations, a compliance test shall consist of three complete and separate determinations of the total air pollutant emission rate through the test section of the stack or duct and three complete and separate determinations of any applicable process variables corresponding to the three distinct time periods during which the stack emission rate was measured; provided, however, that three complete and separate determinations shall not be required if the process variables are not subject to variation during a compliance test, or if three

determinations are not necessary in order to calculate the unit's emission rate. The three required test runs shall be completed within one consecutive five-day period. In the event that a sample is lost or one of the three runs must be discontinued because of circumstances beyond the control of the owner or operator, and a valid third run cannot be obtained within the five-day period allowed for the test, the Secretary or his or her designee may accept the results of two complete runs as proof of compliance, provided that the arithmetic mean of the two complete runs is at least 20% below the allowable emission limiting standard.

(2) Operating Rate During Testing. Unless otherwise stated in the applicable emission limiting standard rule, testing of emissions shall be conducted with the emissions unit operation at permitted capacity as defined below. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity.

(a) Combustion Turbines. (Reserved)

(b) All Other Sources. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit.

(3) Calculation of Emission Rate. The indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule.

(4) Applicable Test Procedures.

(a) Required Sampling Time.

1. Unless otherwise specified in the applicable rule, the required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes.

2. Opacity Compliance Tests. When either EPA Method 9 or DEP Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a compliance test shall be sixty (60) minutes for emissions units which emit or have the potential to emit 100 tons per year or more of particulate matter, and thirty (30) minutes for emissions units which have potential emissions less than 100 tons per year of particulate matter and are not subject to a multiple-valued opacity standard. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Exceptions to these requirements are as follows:

a. For batch, cyclical processes, or other operations which are normally completed within less than the minimum observation period and do not recur within that time, the period of observation shall be equal to the duration of the batch cycle or operation completion time.

b. The observation period for special opacity tests that are conducted to provide data to establish a surrogate standard pursuant to Rule 62-297.310(5)(k), F.A.C., Waiver of Compliance Test Requirements, shall be established as necessary to properly establish the relationship between a FINAL surrogate standard and an existing mass emission limiting standard.

c. The minimum observation period for opacity tests conducted by employees or agents of the Department to verify the day-to-day continuing compliance of a unit or activity with an applicable opacity standard shall be twelve minutes.

(b) Minimum Sample Volume. Unless otherwise specified in the applicable rule, the minimum sample volume per run shall be 25 dry standard cubic feet.

(c) Required Flow Rate Range. For EPA Method 5 particulate sampling, acid mist/sulfur dioxide, and fluoride sampling which uses Greenburg Smith type impingers, the sampling nozzle and sampling time shall be selected such that the average sampling rate will be between 0.5 and 1.0 actual cubic feet per minute, and the required minimum sampling volume will be obtained.

(d) Calibration of Sampling Equipment. Calibration of the sampling train equipment shall be conducted in accordance with the schedule shown in Table 297.310-1.

(e) Allowed Modification to EPA Method 5. When EPA Method 5 is required, the following modification is allowed: the heated filter may be separated from the impingers by a flexible tube.

TABLE 297.310-1  
CALIBRATION SCHEDULE

ITEM	MINIMUM CALIBRATION FREQUENCY	REFERENCE INSTRUMENT	TOLERANCE
Liquid in glass thermometer	Annually	ASTM Hg in glass ref. thermometer or equivalent, or thermometric points	+/-2%
Bimetallic thermometer	Quarterly	Calib. liq. in glass thermometer	5 degrees F
Thermocouple	Annually	ASTM Hg in glass ref. thermometer, NBS calibrated reference and potentiometer	5 degrees F
Barometer	Monthly	Hg barometer or NOAA station	+/-1% scale
Pitot Tube	When required or when damaged	By construction or measurements in wind tunnel D greater than 16" and standard pitot tube	See EPA Method 2, Fig. 2-2 & 2-3
Probe Nozzles	Before each test or when nicked, dented, or corroded Max. deviation between readings	Micrometer	+/-0.001" min of at least three readings .004"
Dry Gas Meter and Orifice Meter	1. Full Scale: When received, When 5% change observed, Annually 2. One Point: Semiannually 3. Check after each test series	Spirometer or calibrated wet test or dry gas test meter	2%
		Comparison check	5%

(5) Determination of Process Variables.

(a) Required Equipment. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.

(b) Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured

with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.

(6) Required Stack Sampling Facilities. Sampling facilities include sampling ports, work platforms, access to work platforms, electrical power, and sampling equipment support. All stack sampling facilities must meet any Occupational Safety and Health Administration (OSHA) Safety and Health Standards described in 29 CFR Part 1910, Subparts D and E.

(a) Permanent Test Facilities. The owner or operator of an emissions unit for which a compliance test, other than a visible emissions test, is required on at least an annual basis, shall install and maintain permanent stack sampling facilities.

(b) Temporary Test Facilities. The owner or operator of an emissions unit that is not required to conduct a compliance test on at least an annual basis may use permanent or temporary stack sampling facilities. If the owner chooses to use temporary sampling facilities on an emissions unit, and the Department elects to test the unit, such temporary facilities shall be installed on the emissions unit within 5 days of a request by the Department and remain on the emissions unit until the test is completed.

(c) Sampling Ports.

1. All sampling ports shall have a minimum inside diameter of 3 inches.
2. The ports shall be capable of being sealed when not in use.
3. The sampling ports shall be located in the stack at least 2 stack diameters or equivalent diameters downstream and at least 0.5 stack diameter or equivalent diameter upstream from any fan, bend, constriction or other flow disturbance.

4. For emissions units for which a complete application to construct has been filed prior to December 1, 1980, at least two sampling ports, 90 degrees apart, shall be installed at each sampling location on all circular stacks that have an outside diameter of 15 feet or less. For stacks with a larger diameter, four sampling ports, each 90 degrees apart, shall be installed. For emissions units for which a complete application to construct is filed on or after December 1, 1980, at least two sampling ports, 90 degrees apart, shall be installed at each sampling location on all circular stacks that have an outside diameter of 10 feet or less. For stacks with larger diameters, four sampling ports, each 90 degrees apart, shall be installed. On horizontal circular ducts, the ports shall be located so that the probe can enter the stack vertically, horizontally or at a 45 degree angle.

5. On rectangular ducts, the cross sectional area shall be divided into the number of equal areas in accordance with EPA Method 1. Sampling ports shall be provided which allow access to each sampling point. The ports shall be located so that the probe can be inserted perpendicular to the gas flow.

(d) Work Platforms.

1. minimum size of the working platform shall be 24 square feet in area. Platforms shall be at least 3 feet wide.

2. On circular stacks with 2 sampling ports, the platform shall extend at least 110 degrees around the stack.

3. On circular stacks with more than two sampling ports, the work platform shall extend 360 degrees around the stack.

4. All platforms shall be equipped with an adequate safety rail (ropes are not acceptable), toeboard, and hinged floor-opening cover if ladder access is used to reach the platform. The safety rail directly in line with the sampling ports shall be removable so that no obstruction exists in an area 14 inches below each sample port and 6 inches on either side of the sampling port.

(e) Access to Work Platform.

1. Ladders to the work platform exceeding 15 feet in length shall have safety cages or fall arresters with a minimum of 3 compatible safety belts available for use by sampling personnel.

2. Walkways over free-fall areas shall be equipped with safety rails and toeboards.

(f) Electrical Power.

1. A minimum of two 120-volt AC, 20-amp outlets shall be provided at the sampling platform within 20 feet of each sampling port.

2. If extension cords are used to provide the electrical power, they shall be kept on the plant's property and be available immediately upon request by sampling personnel.

(g). Sampling Equipment Support.

1. A three-quarter inch eyebolt and an angle bracket shall be attached directly above each port on vertical stacks and above each row of sampling ports on the sides of horizontal ducts.

a. The bracket shall be a standard 3 inch x 3 inch x one-quarter inch equal-legs bracket which is 1 and one-half inches wide. A hole that is one-half inch in diameter shall be drilled through the exact center of the horizontal portion of the bracket. The horizontal portion of the bracket shall be located 14 inches above the centerline of the sampling port.

b. A three-eighth inch bolt which protrudes 2 inches from the stack may be substituted for the required bracket. The bolt shall be located 15 and one-half inches above the centerline of the sampling port.

c. The three-quarter inch eyebolt shall be capable of supporting a 500 pound working load. For stacks that are less than 12 feet in diameter, the eyebolt shall be located 48 inches above the horizontal portion of the angle bracket. For stacks that are greater than or equal to 12 feet in diameter, the eyebolt shall be located 60 inches above the horizontal portion of the angle bracket. If the eyebolt is more than 120 inches above the platform, a length of chain shall be attached to it to bring the free end of the chain to within safe reach from the platform.

2. A complete monorail or dualrail arrangement may be substituted for the eyebolt and bracket.

3. When the sample ports are located in the top of a horizontal duct, a frame shall be provided above the port to allow the sample probe to be secured during the test.

(7) Frequency of Compliance Tests. The following provisions apply only to those emissions units that are subject to an emissions limiting standard for which compliance testing is required.

(a) General Compliance Testing.

1. The owner or operator of a new or modified emissions unit that is subject to an emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining an operation permit for such emissions unit.

2. For excess emission limitations for particulate matter specified in Rule 62-210.700, F.A.C., a compliance test shall be conducted annually while the emissions unit is operating under soot blowing conditions in each federal fiscal year during which soot blowing is part of normal emissions unit operation, except that such test shall not be required in any federal fiscal year in which a fossil fuel steam generator does not burn liquid and/or solid fuel for more than 400 hours other than during startup.

3. The owner or operator of an emissions unit that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining a renewed operation permit. Emissions units that are required to conduct an annual compliance test may submit the most recent annual compliance test to satisfy the requirements of this provision. In renewing an air operation permit pursuant to Rule 62-210.300(2)(a)3.b., c., or d., F.A.C., the Department shall not require submission of emission compliance test results for any emissions unit that, during the year prior to renewal:

a. Did not operate; or

b. In the case of a fuel burning emissions unit, burned liquid and/or solid fuel for a total of no more than 400 hours.

4. During each federal fiscal year (October 1 -- September 30), unless otherwise specified by rule, order, or permit, the owner or operator of each emissions unit shall have a formal compliance test conducted for:

a. Visible emissions, if there is an applicable standard;

b. Each of the following pollutants, if there is an applicable standard, and if the emissions unit emits or has the potential to emit: 5 tons per year or more of lead or lead compounds measured as



elemental lead; 30 tons per year or more of acrylonitrile; or 100 tons per year or more of any other regulated air pollutant; and

- c. Each NESHAP pollutant, if there is an applicable emission standard.
5. An annual compliance test for particulate matter emissions shall not be required for any fuel burning emissions unit that, in a federal fiscal year, does not burn liquid and/or solid fuel, other than during startup, for a total of more than 400 hours.
6. For fossil fuel steam generators on a semi-annual particulate matter emission compliance testing schedule, a compliance test shall not be required for any six-month period in which liquid and/or solid fuel is not burned for more than 200 hours other than during startup.
7. For emissions units electing to conduct particulate matter emission compliance testing quarterly pursuant to Rule 62-296.405(2)(a), F.A.C., a compliance test shall not be required for any quarter in which liquid and/or solid fuel is not burned for more than 100 hours other than during startup.
8. Any combustion turbine that does not operate for more than 400 hours per year shall conduct a visible emissions compliance test once per each five-year period, coinciding with the term of its air operation permit.
9. The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.
10. An annual compliance test conducted for visible emissions shall not be required for units exempted from permitting at Rule 62-210.300(3)(a), F.A.C., or units permitted under the General Permit provisions at Rule 62-210.300(4)(a)1. through 7., F.A.C.
  - (b) Special Compliance Tests. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.
  - (c) Waiver of Compliance Test Requirements. If the owner or operator of an emissions unit that is subject to a compliance test requirement demonstrates to the Department, pursuant to the procedure established in Rule 62-297.620, F.A.C., that the compliance of the emissions unit with an applicable weight emission limiting standard can be adequately determined by means other than the designated test procedure, such as specifying a surrogate standard of no visible emissions for particulate matter sources equipped with a bag house or specifying a fuel analysis for sulfur dioxide emissions, the Department shall waive the compliance test requirements for such emissions units and order that the alternate means of determining compliance be used, provided, however, the provisions of Rule 62-297.310(7)(b), F.A.C., shall apply.
    - (8) Test Reports.
      - (a) The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test.
      - (b) The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed.
      - (c) The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than for an EPA or DEP Method 9 test, shall provide the following information:
        1. The type, location, and designation of the emissions unit tested.
        2. The facility at which the emissions unit is located.
        3. The owner or operator of the emissions unit.
        4. The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.

5. The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.

6. The type of air pollution control devices installed on the emissions unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.

7. A sketch of the duct within 8 stack diameters upstream and 2 stack diameters downstream of the sampling ports, including the distance to any upstream and downstream bends or other flow disturbances.

8. The date, starting time and duration of each sampling run.

9. The test procedures used, including any alternative procedures authorized pursuant to Rule 62-297.620, F.A.C. Where optional procedures are authorized in this chapter, indicate which option was used.

10. The number of points sampled and configuration and location of the sampling plane.

11. For each sampling point for each run, the dry gas meter reading, velocity head, pressure drop across the stack, temperatures, average meter temperatures and sample time per point.

12. The type, manufacturer and configuration of the sampling equipment used.

13. Data related to the required calibration of the test equipment.

14. Data on the identification, processing and weights of all filters used.

15. Data on the types and amounts of any chemical solutions used.

16. Data on the amount of pollutant collected from each sampling probe, the filters, and the impingers, are reported separately for the compliance test.

17. The names of individuals who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.

18. All measured and calculated data required to be determined by each applicable test procedure for each run.

19. The detailed calculations for one run that relate the collected data to the calculated emission rate.

20. The applicable emission standard, and the resulting maximum allowable emission rate for the emissions unit, plus the test result in the same form and unit of measure.

21. A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. When a compliance test is conducted for the Department or its agent, the person who conducts the test shall provide the certification with respect to the test procedures used. The owner or his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.

Specific Authority: 403.061, F.S.

Law Implemented: 403.021, 403.031, 403.061, 403.087, F.S.

History: Formerly 17-2.700(1)(b); Formerly 17-297.310; Amended 11-23-94, 3-13-96, 10-28-97.

**APPENDIX CAM**

**Compliance Assurance Monitoring Requirements**

**White Springs Agricultural Chemicals, Inc.**  
**Suwannee River/Swift Creek Complex**

**Facility ID No: 0470002**

## **Compliance Assurance Monitoring Requirements**

Pursuant to Rule 62-213.440(1)(b)1.a., F.A.C., the CAM plans that are included in this appendix contain the monitoring requirements necessary to satisfy 40 CFR 64. Conditions 1. – 17. are generic conditions applicable to all emissions units that are subject to the CAM requirements. Specific requirements related to each emissions unit are contained in the attached tables, as submitted by the applicant and approved by the Department.

### **40 CFR 64.6 Approval of Monitoring.**

1. The attached CAM plan(s), as submitted by the applicant, is/are approved for the purposes of satisfying the requirements of 40 CFR 64.3.  
[40 CFR 64.6(a)]
2. The attached CAM plan(s) include the following information:
  - (i) The indicator(s) to be monitored (such as temperature, pressure drop, emissions, or similar parameter);
  - (ii) The means or device to be used to measure the indicator(s) (such as temperature measurement device, visual observation, or CEMS); and
  - (iii) The performance requirements established to satisfy 40 CFR 64.3(b) or (d), as applicable.[40 CFR 64.6(c)(1)]
3. The attached CAM plan(s) describe the means by which the owner or operator will define an exceedance of the permitted limits or an excursion from the stated indicator ranges and averaging periods for purposes of responding to (see **CAM Conditions 5. - 9.**) and reporting exceedances or excursions (see **CAM Conditions 10. – 14.**).  
[40 CFR 64.6(c)(2)]
4. The permittee is required to conduct the monitoring specified in the attached CAM plan(s) and shall fulfill the obligations specified in the conditions below (see **CAM Conditions 5. - 17.**).  
[40 CFR 64.6(c)(3)]

### **40 CFR 64.7 Operation of Approved Monitoring.**

5. Commencement of operation. The owner or operator shall conduct the monitoring required under this appendix upon the effective date of this Title V permit.  
[40 CFR 64.7(a)]
6. Proper maintenance. At all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.  
[40 CFR 64.7(b)]
7. Continued operation. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times

that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

[40 CFR 64.7(c)]

**8. Response to excursions or exceedances.**

- a. Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions, if allowed by this permit). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- b. Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

[40 CFR 64.7(d)(1) & (2)]

**9. Documentation of need for improved monitoring.** If the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the permitting authority and, if necessary, submit a proposed modification to the Title V permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[40 CFR 64.7(e)]

**40 CFR 64.8 Quality Improvement Plan (QIP) Requirements.**

**10.** Based on the results of a determination made under **CAM Condition 8.a.**, above, the permitting authority may require the owner or operator to develop and implement a QIP. Consistent with **CAM Condition 4.**, an accumulation of exceedances or excursions exceeding 5 percent duration of a pollutant-specific emissions unit's operating time for a reporting period, may require the implementation of a QIP. The threshold may be set at a higher or lower percent or may rely on other criteria for purposes of indicating whether a

pollutant-specific emissions unit is being maintained and operated in a manner consistent with good air pollution control practices.

[40 CFR 64.8(a)]

**11. Elements of a QIP:**

- a. The owner or operator shall maintain a written QIP, if required, and have it available for inspection.
- b. The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as appropriate:
  - (i) Improved preventive maintenance practices.
  - (ii) Process operation changes.
  - (iii) Appropriate improvements to control methods.
  - (iv) Other steps appropriate to correct control performance.
  - (v) More frequent or improved monitoring (only in conjunction with one or more steps under **CAM Condition 11.b(i)** through **(iv)**, above).

[40 CFR 64.8(b)]

- 12.** If a QIP is required, the owner or operator shall develop and implement a QIP as expeditiously as practicable and shall notify the permitting authority if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

[40 CFR 64.8(c)]

- 13.** Following implementation of a QIP, upon any subsequent determination pursuant to **CAM Condition 8.b.**, the permitting authority may require that an owner or operator make reasonable changes to the QIP if the QIP is found to have:

- a. Failed to address the cause of the control device performance problems; or
- b. Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

[40 CFR 64.8(d)]

- 14.** Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.

[40 CFR 64.8(e)]

**40 CFR 64.9 Reporting And Recordkeeping Requirements.**

**15. General reporting requirements.**

- a. On and after the date specified in **CAM Condition 5.** by which the owner or operator must use monitoring that meets the requirements of this appendix, the owner or operator shall submit monitoring reports semi-annually to the permitting authority in accordance with Rule 62-213.440(1)(b)3.a., F.A.C.
- b. A report for monitoring under this part shall include, at a minimum, the information required under Rule 62-213.440(1)(b)3.a., F.A.C., and the following information, as applicable:

- (i) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;
- (ii) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and
- (iii) A description of the actions taken to implement a QIP during the reporting period as specified in **CAM Conditions 10. through 14.** Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

[40 CFR 64.9(a)]

**16. General recordkeeping requirements.**

- a. The owner or operator shall comply with the recordkeeping requirements specified in Rule 62-213.440(1)(b)2., F.A.C. The owner or operator shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to **CAM Conditions 10. through 14.** and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).
- b. Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements.

[40 CFR 64.9(b)]

**40 CFR 64.10 Savings Provisions.**

**17. It should be noted that nothing in this appendix shall:**

- a. Excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act. The requirements of this appendix shall not be used to justify the approval of monitoring less stringent than the monitoring which is required under separate legal authority and are not intended to establish minimum requirements for the purpose of determining the monitoring to be imposed under separate authority under the Act, including monitoring in permits issued pursuant to title I of the Act. The purpose of this part is to require, as part of the issuance of a permit under Title V of the Act, improved or new monitoring at those emissions units where monitoring requirements do not exist or are inadequate to meet the requirements of this part.
- b. Restrict or abrogate the authority of the Administrator or the permitting authority to impose additional or more stringent monitoring, recordkeeping, testing, or reporting requirements on any owner or operator of a source under any provision of the Act, including but not limited to sections 114(a)(1) and 504(b), or state law, as applicable.
- c. Restrict or abrogate the authority of the Administrator or permitting authority to take any enforcement action under the Act for any violation of an applicable requirement or of any person to take action under section 304 of the Act.

[40 CFR 64.10]

## **Emissions Unit 003**

**Defluorinated Phosphate "A" Plant  
Fluoride, Particulate Matter, and Sulfur Dioxide Controlled by Cross-flow packed  
scrubber with high and low pressure sprays**



## Monitoring Approach

	<b>Indicator 1</b>	<b>Indicator 2</b>	<b>Indicator 3</b>
<b>1. Indicator</b>	Max and Min Fan Amps	Max and Min Liquid Flow Rate	Min dP
<b>Measuring Approach</b>	Fan Amps are measured with an installed Amp Meter	Liquid Flow is measured with an installed Flow Meter	Delta P is measured with an installed dP cell
<b>2. Indicator Range</b>	An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range: Max Amps > 25 Min Amps < 20	An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range: High Pressure flow Max flow > 1246 Min flow < 921  Low Pressure flow Max flow > 1473 Min flow < 1273  Tailgas Scrubber Max flow > 300 Min flow < 297	An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, pressure drop outside of the following range:  Min dP < 10.1  Tailgas Scrubber Min dP < 0.7
	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the flow rate to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the flow rate to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the pressure drop to within the permitted range and assist in preventing future scrubber malfunctions from occurring.
<b>3. Performance Criteria</b>			
<b>A. Representative Data</b>	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.
<b>B. QA/QC Practices and Criteria</b>	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.
<b>C. Monitoring Frequency</b>	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
<b>4. Data Collection Procedures</b>	All parameters are averaged in 15-minute blocks based on data collected by the Amp Meter.	All parameters are averaged in 15-minute blocks based on data collected by the Flow Meter.	All parameters are averaged in 15-minute blocks based on data collected by the dP cell.
<b>5. Averaging Period</b>	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.

## **Emissions Unit 004**

**X-Train Dicalcium and Monocalcium  
Particulate Matter Controlled by Venturi and Cyclonic Scrubbers**

## Monitoring Approach

	Indicator 1	Indicator 2	Indicator 3
<b>1. Indicator</b>	Max and Min Fan Amps	Max and Min Liquid Flow Rate	Min dP
<b>Measuring Approach</b>	Fan Amps are measured with an installed Amp Meter	Liquid Flow is measured with an installed Flow Meter	Delta P is measured with an installed dP cell
<b>2. Indicator Range</b>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range:</p> <p style="text-align: center;">Reaction Scrubber: Max Amps &gt;25 Min Amps &lt;17 Dryer Scrubber Max Amps &gt;23 Min Amps &lt;21 Dust Scrubber Max Amps &gt;20 Min Amps &lt;18</p>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range:</p> <p style="text-align: center;">Reaction Scrubber Max flow &gt; 493 Min flow &lt; 297 Dryer Scrubber Max flow &gt; 309 Min flow &lt; 283 Dust Scrubber Max flow &gt; 333 Min flow &lt; 326</p>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, pressure drop outside of the following range:</p> <p style="text-align: center;">Reaction Scrubber Min dP &lt; 5.1 Dryer Scrubber Min dP &lt; 14.6 Dust Scrubber Min dP &lt; 10.8</p>
	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the flow rate to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the flow rate to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the pressure drop to within the permitted range and assist in preventing future scrubber malfunctions from occurring.
<b>3. Performance Criteria</b>			
<b>A. Representative Data</b>	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.
<b>B. QA/QC Practices and Criteria</b>	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.
<b>C. Monitoring Frequency</b>	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
<b>4. Data Collection Procedures</b>	All parameters are averaged in 15-minute blocks based on data collected by the Amp Meter.	All parameters are averaged in 15-minute blocks based on data collected by the Flow Meter.	All parameters are averaged in 15-minute blocks based on data collected by the dP cell.
<b>5. Averaging Period</b>	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.

## **Emissions Unit 008**

**DAP/MAP "Y" Train**

**Particulate Matter Controlled by Cyclones, Venturiis, and Cyclonic Scrubbers**

## Monitoring Approach

	Indicator 1	Indicator 2	Indicator 3
<b>1. Indicator</b>	Max and Min Fan Amps	Max and Min Liquid Flow Rate	Min dP
<b>Measuring Approach</b>	Fan Amps are measured with an installed Amp Meter	Liquid Flow is measured with an installed Flow Meter	Delta P is measured with an installed dP cell
<b>2. Indicator Range</b>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range:</p> <p style="text-align: center;">Max Amps &gt;25 Min Amps &lt; 23</p>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range:</p> <p style="text-align: center;">Max flow &gt; 336 Min flow &lt;316</p>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, pressure drop outside of the following range:</p> <p style="text-align: center;">Min dP &lt; 14.6</p>
	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the flow rate to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the flow rate to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the pressure drop to within the permitted range and assist in preventing future scrubber malfunctions from occurring.
<b>3. Performance Criteria</b>			
<b>A. Representative Data</b>	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.
<b>B. QA/QC Practices and Criteria</b>	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.
<b>C. Monitoring Frequency</b>	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
<b>4. Data Collection Procedures</b>	All parameters are averaged in 15-minute blocks based on data collected by the Amp Meter.	All parameters are averaged in 15-minute blocks based on data collected by the Flow Meter.	All parameters are averaged in 15-minute blocks based on data collected by the dP cell.
<b>5. Averaging Period</b>	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.

## **Emissions Unit 010**

**No. 1 Storage and Shipping Building  
Particulate Matter Controlled by Wet Scrubber**

## Monitoring Approach

	<b>Indicator 1</b>	<b>Indicator 2</b>	<b>Indicator 3</b>
<b>1. Indicator</b>	Max and Min Fan Amps	Max and Min Liquid Flow Rate	Min dP
<b>Measuring Approach</b>	Fan Amps are measured with an installed Amp Meter	Liquid Flow is measured with an installed Flow Meter	Delta P is measured with an installed dP cell
<b>2. Indicator Range</b>	An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range:  Max Amps > 99 Min Amps < 96	An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range:  Max flow > 630 Min flow < 600	An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, pressure drop outside of the following range:  Min dP < 2.0
	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the flow rate to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the flow rate to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the pressure drop to within the permitted range and assist in preventing future scrubber malfunctions from occurring.
<b>3. Performance Criteria</b>			
<b>A. Representative Data</b>	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.
<b>B. QA/QC Practices and Criteria</b>	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.
<b>C. Monitoring Frequency</b>	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
<b>4. Data Collection Procedures</b>	All parameters are averaged in 15-minute blocks based on data collected by the Amp Meter.	All parameters are averaged in 15-minute blocks based on data collected by the Flow Meter.	All parameters are averaged in 15-minute blocks based on data collected by the dP cell.
<b>5. Averaging Period</b>	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.

## **Emissions Unit 015**

**Screening and Shipping Building  
Particulate Matter Controlled by Cyclone, Venturi Wet Scrubber**



## Monitoring Approach

	<b>Indicator 1</b>	<b>Indicator 2</b>	<b>Indicator 3</b>
<b>1. Indicator</b>	Max and Min Fan Amps	Max and Min Liquid Flow Rate	Min dP
<b>Measuring Approach</b>	Fan Amps are measured with an installed Amp Meter	Liquid Flow is measured with an installed Flow Meter	Delta P is measured with an installed dP cell
<b>2. Indicator Range</b>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range:</p> <p style="text-align: center;">Max Amps &gt; 19 Min Amps &lt; 16</p>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range:</p> <p style="text-align: center;">Max flow &gt; 800 Min flow &lt; 621</p>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, pressure drop outside of the following range:</p> <p style="text-align: center;">Min dP &lt; 1.2</p>
	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the pressure drop to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the pressure drop to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the pressure drop to within the permitted range and assist in preventing future scrubber malfunctions from occurring.
<b>3. Performance Criteria</b>			
<b>A. Representative Data</b>	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.
<b>B. QA/QC Practices and Criteria</b>	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.
<b>C. Monitoring Frequency</b>	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
<b>4. Data Collection Procedures</b>	All parameters are averaged in 15-minute blocks based on data collected by the Amp Meter.	All parameters are averaged in 15-minute blocks based on data collected by the Flow Meter.	All parameters are averaged in 15-minute blocks based on data collected by the dP cell.
<b>5. Averaging Period</b>	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.

## **Emissions Unit 032**

**DAP/MAP "Z" Train**

**Particulate Matter Controlled by Cyclones, Venturi Scrubbers, and Cyclonic Scrubbers**

## Monitoring Approach

	<b>Indicator 1</b>	<b>Indicator 2</b>	<b>Indicator 3</b>
<b>1. Indicator</b>	Max and Min Fan Amps	Max and Min Liquid Flow Rate	Min dP
<b>Measuring Approach</b>	Fan Amps are measured with an installed Amp Meter	Liquid Flow is measured with an installed Flow Meter	Delta P is measured with an installed dP cell
<b>2. Indicator Range</b>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range:</p> <p style="text-align: center;">Max Amps &gt; 16 Min Amps &lt; 24</p>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range:</p> <p style="text-align: center;">Max flow &gt; 2552 Min flow &lt; 536</p>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, pressure drop outside of the following range:</p> <p style="text-align: center;">Min dP &lt; 14.2</p>
	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the flow rate to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the flow rate to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the pressure drop to within the permitted range and assist in preventing future scrubber malfunctions from occurring.
<b>3. Performance Criteria</b>			
<b>A. Representative Data</b>	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.
<b>B. QA/QC Practices and Criteria</b>	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.
<b>C. Monitoring Frequency</b>	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
<b>4. Data Collection Procedures</b>	All parameters are averaged in 15-minute blocks based on data collected by the Amp Meter.	All parameters are averaged in 15-minute blocks based on data collected by the Flow Meter.	All parameters are averaged in 15-minute blocks based on data collected by the dP cell.
<b>5. Averaging Period</b>	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.

## **Emissions Unit 038**

**Defluorinated Phosphate "B" Plant  
Fluoride, Particulate Matter, and Sulfur Dioxide Controlled by Cross-flow packed  
scrubber**

## Monitoring Approach

	<b>Indicator 1</b>	<b>Indicator 2</b>	<b>Indicator 3</b>
<b>1. Indicator</b>	Max and Min Fan Amps	Max and Min Liquid Flow Rate	Min dP
<b>Measuring Approach</b>	Fan Amps are measured with an installed Amp Meter	Liquid Flow is measured with an installed Flow Meter	Delta P is measured with an installed dP cell
<b>2. Indicator Range</b>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range:</p> <p style="text-align: center;">Max Amps &gt; 21 Min Amps &lt; 19</p>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range:</p> <p style="text-align: center;">Hig Pressure Flow Max flow &gt; 1285 Min flow &lt; 749 Low Pressure Flow Max flow &gt; 1278 Min flow &lt; 1030</p> <p style="text-align: center;">Tailgas Scrubber Hig Pressure Flow Max flow &gt; 300 Min flow &lt; 297</p>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, pressure drop outside of the following range:</p> <p style="text-align: center;">Min dP &lt; 13.2</p> <p style="text-align: center;">Tailgas Scrubber Min dP &lt; 2.0</p>
	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the flow rate to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the flow rate to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the pressure drop to within the permitted range and assist in preventing future scrubber malfunctions from occurring.
<b>3. Performance Criteria</b>			
<b>A. Representative Data</b>	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.
<b>B. QA/QC Practices and Criteria</b>	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.
<b>C. Monitoring Frequency</b>	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
<b>4. Data Collection Procedures</b>	All parameters are averaged in 15-minute blocks based on data collected by the Amp Meter.	All parameters are averaged in 15-minute blocks based on data collected by the Flow Meter.	All parameters are averaged in 15-minute blocks based on data collected by the dP cell.
<b>5. Averaging Period</b>	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.

## **Emissions Unit 042**

**Defluorinated Phosphate Feed Prep  
Particulate Matter Controlled by Wet Scrubber**

## Monitoring Approach

	Indicator 1	Indicator 2	Indicator 3
<b>1. Indicator</b>	Max and Min Fan Amps	Max and Min Liquid Flow Rate	Min dP
<b>Measuring Approach</b>	Fan Amps are measured with an installed Amp Meter	Liquid Flow is measured with an installed Flow Meter	Delta P is measured with an installed dP cell
<b>2. Indicator Range</b>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range:</p> <p style="text-align: center;">Max Amps &gt; 252 Min Amps &lt; 225</p>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range:</p> <p style="text-align: center;">Max flow &gt; 269 Min flow &lt; 275</p>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, pressure drop outside of the following range:</p> <p style="text-align: center;">Min dP &lt; 13.0</p>
	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the flow rate to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the flow rate to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the pressure drop to within the permitted range and assist in preventing future scrubber malfunctions from occurring.
<b>3. Performance Criteria</b>			
<b>A. Representative Data</b>	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.
<b>B. QA/QC Practices and Criteria</b>	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.
<b>C. Monitoring Frequency</b>	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
<b>4. Data Collection Procedures</b>	All parameters are averaged in 15-minute blocks based on data collected by the Amp Meter.	All parameters are averaged in 15-minute blocks based on data collected by the Flow Meter.	All parameters are averaged in 15-minute blocks based on data collected by the dP cell.
<b>5. Averaging Period</b>	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.

## **Emissions Unit 044**

**“A” and “B” Defluorinated Phosphate Coolers  
Particulate Matter Controlled by Cyclonic Wet Scrubber**



## Monitoring Approach

	<b>Indicator 1</b>	<b>Indicator 2</b>	<b>Indicator 3</b>
<b>1. Indicator</b>	<b>Max and Min Fan Amps</b>	<b>Max and Min Liquid Flow Rate</b>	<b>Min dP</b>
<b>Measuring Approach</b>	Fan Amps are measured with an installed Amp Meter	Liquid Flow is measured with an installed Flow Meter	Delta P is measured with an installed dP cell
<b>2. Indicator Range</b>	An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range: "A" Cooler Vent Max Amps > 47 Min Amps < 45 "B" Cooler Vent Max Amps > 50 Min Amps < 48	An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range: Water Separator Max flow > 10.7 Min flow < 10.5	An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, pressure drop outside of the following range: "A" Cooler Vent Min dP < 5.0 "B" Cooler Vent Min dP < 3.9 Water Separator Min dP < 1.5
	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the flow rate to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the flow rate to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the pressure drop to within the permitted range and assist in preventing future scrubber malfunctions from occurring.
<b>3. Performance Criteria</b>			
<b>A. Representative Data</b>	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.
<b>B. QA/QC Practices and Criteria</b>	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.
<b>C. Monitoring Frequency</b>	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
<b>4. Data Collection Procedures</b>	All parameters are averaged in 15-minute blocks based on data collected by the Amp Meter.	All parameters are averaged in 15-minute blocks based on data collected by the Flow Meter.	All parameters are averaged in 15-minute blocks based on data collected by the dP cell.
<b>5. Averaging Period</b>	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.

## **Emissions Unit 065**

**Swift Creek Mine Rock Silos  
Particulate Matter Controlled by Wet Scrubber**

## Monitoring Approach

	<b>Indicator 1</b>	<b>Indicator 2</b>	<b>Indicator 3</b>
<b>1. Indicator</b>	Max and Min Fan Amps	Max and Min Liquid Flow Rate	Min dP
<b>Measuring Approach</b>	Fan Amps are measured with an installed Amp Meter	Liquid Flow is measured with an installed Flow Meter	Delta P is measured with an installed dP cell
<b>2. Indicator Range</b>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range:</p> <p style="text-align: center;">Max Amps &gt; 60 Min Amps &lt; 58</p>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, flow rate outside of the following range:</p> <p style="text-align: center;">Max flow &gt; 50 Min flow &lt; 73</p>	<p>An excursion is defined as any 1 hour average excluding those events defined as startup, shutdown and malfunctions, pressure drop outside of the following range:</p> <p style="text-align: center;">Min dP &lt; 8.0</p>
	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the flow rate to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the flow rate to within the permitted range and assist in preventing future scrubber malfunctions from occurring.	Excursions trigger an inspection, corrective action, and reporting requirement. The corrective action must be conducted to restore the pressure drop to within the permitted range and assist in preventing future scrubber malfunctions from occurring.
<b>3. Performance Criteria</b>			
<b>A. Representative Data</b>	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.	All CAM-required instrumentation meets or exceeds the accuracy required by the regulations for this plant. The monitoring points are located per the manufacturers recommendations and/or best engineering practices guidelines.
<b>B. QA/QC Practices and Criteria</b>	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.	Calibration and maintenance are performed annually or on an as-needed basis. Instrument readings are observed on a continuing basis and any reading outside the normal operating range for this plant is investigated. This includes verification that the proper signal is being produced and that the instrumentation is working properly. Any necessary maintenance is performed and the instrument re-calibrated, as necessary.
<b>C. Monitoring Frequency</b>	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
<b>4. Data Collection Procedures</b>	All parameters are averaged in 15-minute blocks based on data collected by the Amp Meter.	All parameters are averaged in 15-minute blocks based on data collected by the Flow Meter.	All parameters are averaged in 15-minute blocks based on data collected by the dP cell.
<b>5. Averaging Period</b>	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.	All parameters are averaged in 15-minute blocks. These 15-minute blocks are then averaged to produce a 1hr average.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

In the matter of: ) Suwannee River/Swift Creek Complex  
)  
White Springs Agricultural Chemicals, Inc. )  
)  
Petitioner. ) File No.: 04-I-AP

ORDER ON REQUEST  
FOR  
ALTERNATE PROCEDURES AND REQUIREMENTS

Pursuant to Rule 62-297.620, Florida Administrative Code (F.A.C.), and Title 40 of the Code of Federal Regulations Part 63, section 63.8 (40 CFR 63.8), White Springs Agricultural Chemicals (WSA), located in Hamilton County, has petitioned for approval of alternate monitoring methods for scrubbers at its facility. The Petitioner requested approval to monitor fan amperage in lieu of establishing an upper limit on pressure drop across each scrubber. The basis for this request is the Petitioner's assertion that fan amperage will provide a more accurate indication of scrubber performance and prevent frequent and unnecessary plant monitoring excursions. Petitioner agreed to continue to monitor pressure drop, liquid flow rate, and fan amperage for each scrubber. Petitioner also agreed to establish allowable ranges for liquid flow rate and fan amperage and to establish minimum allowable pressure drops for the scrubber systems.

Having considered Petitioner's written request and all supporting documentation, the following Findings of Fact, Conclusions of Law, and Order are entered:

FINDINGS OF FACT

1. 40 CFR 63, Subparts AA and BB require all phosphate fertilizer and phosphoric acid manufacturing plants that are major sources of hazardous air pollutants to monitor liquid flow rate to each scrubber and pressure drop across each scrubber used to control hydrogen fluoride emissions. Additionally, each affected facility must establish allowable ranges for these parameters by submitting upper and lower values for approval or by accepting the default range of  $\pm 20\%$  of the baseline value as specified in Subparts AA and BB. White Springs Agricultural Chemicals is considered a major source of hazardous air pollutants. Therefore, this facility is subject to these requirements.

2. On August 3, 2004, the Department received Petitioner's request for approval of an alternate monitoring plan for WSA. The alternate monitoring plan was requested for scrubbers subject to 40 CFR 63, Subparts AA and BB: the phosphoric acid manufacturing plant (Emission Units (EU) 002, 020, 069), the filtration plants (EUs 034, 035, 071), the SPA plants (EUs 036, 061, 070), the phosphate rock dryer (EU 064) and MAP/DAP plants (EUs 008 and 032).

3. Petitioner requested that no maximum limit be placed on the scrubbers because "small deviations in the pressure drop can cause a plant monitoring excursion. Requiring a maximum pressure drop as a limit may result in frequent and unnecessary plant monitoring excursion, while scrubbing efficiency was still maintained."

4. In its request, Petitioner asserted, "Fan amperage is a better indicator of scrubber performance than maximum pressure drop. Fan amps provide a good indication of proper operation and maintenance of the pollution control equipment. Fan amps provide an accurate indication of air movement through the evacuation system and can be a reliable indicator of system upsets."

5. Petitioner further asserted, "...use of fan amps as an alternate parameter meets the intent of the monitoring requirement to assure proper operation of the pollution control system."

#### CONCLUSIONS OF LAW

1. The Department has jurisdiction to consider Petitioner's request pursuant to Section 403.061, Florida Statutes (F.S.), Rule 62-297.620, F.A.C., and 40 CFR 63.8.

2. Petitioner has provided reasonable justification that establishing an upper limit on pressure drop in scrubbers at this facility is impractical.

3. Petitioner has provided reasonable justification that monitoring fan amperage in lieu of establishing a maximum pressure drop is no less an effective indicator of scrubber operation than that achieved by monitoring pursuant to 40 CFR 63, Subparts AA and BB.

#### ORDER

Having considered Petitioner's written request and supporting documentation, it is hereby ordered that for the emission units listed in Attachment 1:

1. Petitioner shall not be required to establish an upper limit on the pressure drop across each scrubber.

2. Petitioner shall establish a minimum allowable pressure drop across each scrubber or scrubber system pursuant to the requirements in 40 CFR 63, Subparts AA and BB and shall submit such values to the Department for approval.

3. Petitioner shall establish minimum and maximum acceptable fan amperages for each fan in the scrubbing systems pursuant to the requirements in 40 CFR 63, Subparts AA and BB and shall submit such values to the Department for approval.

4. Petitioner shall establish minimum and maximum acceptable values for liquid flow rate to each scrubber pursuant to the requirements in 40 CFR 63, Subparts AA and BB and shall submit such values to the Department for approval.

5. Petitioner shall continuously monitor pressure drop and liquid flow rate for each scrubber and shall continuously monitor fan amperage for each fan in the scrubbing systems.

6. Except as provided by this order, Petitioner shall comply with all applicable provisions of 40 CFR 63, Subparts AA and BB.

7. This order shall expire on September 30, 2014.

### PETITION FOR ADMINISTRATIVE REVIEW

The Department's proposed agency action will become final upon expiration of the petition period described below unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

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

A petition that disputes the material facts on which the Department's action is based must contain the following information:

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

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

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

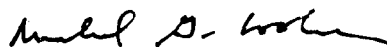
Mediation is not available in this proceeding.

NOTICE OF APPEAL RIGHTS

Any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes, by filing a notice of appeal under Rule 9.110 of the Florida rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

DONE AND ORDERED this 6<sup>th</sup> day of October, 2004 in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



MICHAEL G. COOKE, Director  
Division of Air Resource Management  
Mail Station 5500  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400  
(850) 488-0114

Clerk Stamp

**FILING AND ACKNOWLEDGMENT**

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

*Martha Jane Wise* 10/4/04  
(Clerk) (Date)



Attachment 1:  
White Springs Agricultural Chemicals, Inc.  
Alternate Monitoring Plan

All parameters shall be continuously measured. Pressure drop = inches of water. Flow rate = gallons per minute.

Emission Unit		Scrubber	Measured Parameter		
A Phosphoric Acid	002	Venturi/West Cyclone	Flow	Pressure Drop	Fan Amperage
		East Cyclone	Flow	Pressure Drop	
DAP/MAP Y-Train	008	1. Reaction Venturi/Cyclone Scrubber	Flow	Pressure Drop	Fan Amperage
		2. Reaction Cooler Scrubber	Flow		
		3. Dryer Venturi/Cyclone Scrubber	Flow	Pressure Drop	Fan Amperage
		4. Fluorine Abatement Cyclone Scrubber	Flow		
		5. Dust Venturi/Cyclone Scrubber	Flow	Pressure Drop	Fan Amperage
		Note: Scrubbers 1 & 2 make up the Reaction Scrubber and have a single fan. Delta P will be read across Scrubbers 1 & 2 as a unit. Scrubber 3 & 4 make up the Dryer Scrubber and have a single fan. Delta P will be			
B Phosphoric Acid	020	Wet Scrubber	Flow	Pressure Drop	Fan Amperage
DAP/MAP Z-Train	032	1. Reaction Venturi/Cyclone Scrubber	Flow	Pressure Drop	Fan Amperage
		2. Reaction Pond Water Scrubber	Flow		
		3. Dryer Venturi/Cyclone Scrubber	Flow	Pressure Drop	Fan Amperage
		4. Dryer Pond Water Scrubber	Flow		
		5. Dust Venturi/Cyclone Scrubber	Flow	Pressure Drop	Fan Amperage
		6. Dust Pond Water Scrubber	Flow		
		7. Tail Gas Scrubber	Flow	Pressure Drop	N/A
		8. Fugitive Dust Venturi/Cyclone Scrubber	Flow	Pressure Drop	Fan Amperage
		Note: Scrubbers 1/2, 3/4, and 5/6 have a single fan for both scrubbers. Pressure drop will be read across both scrubbers as a unit. There is no fan for the tail gas scrubber.			
South Phosphoric Acid Filters and A & B SPA	034, 036	Wet Scrubber	Flow	Pressure Drop	Fan Amperage
Note: SPA A & B is ducted to, and emissions are controlled by, the South Acid Filter Scrubber					
North Phosphoric Acid Filter	035	Wet Scrubber	Flow	Pressure Drop	Fan Amperage
Green SPA	061	Wet Scrubber	Flow	Pressure Drop	Fan Amperage
SCM Rock Dryer	064	East Cyclone	N/A	Fan Amperage	Pressure Drop
		West Cyclone	N/A		
		Wet Scrubber	Flow		
		Note: East and West Cyclones operate in parallel and are the dry types.			
D Phosphoric Acid	069	Wet Scrubber	Flow	Pressure Drop	Fan Amperage
SPA C&D	070	Wet Scrubber	Flow	Pressure Drop	Fan Amperage
Acid Clarification	071	Wet Scrubber	Flow	Pressure Drop	Fan Amperage

Not federally enforceable.

Attachment A

MEMORANDUM OF UNDERSTANDING  
REGARDING BEST OPERATIONAL START-UP PRACTICES  
FOR SULFURIC ACID PLANTS

These Sulfuric Acid Plant Best Operation Start-Up Practices will be made available in the control room at all times.

1. Only one sulfuric acid plant at a facility should be started up and burning sulfur at a time, There are times when it will be acceptable for more than one sulfuric acid plant to be in the start-up mode at the same time, provided the following condition is met. It is not acceptable to initiate sulfur burning at one sulfuric acid plant when another plant at the same facility is emitting SO<sub>2</sub> at a rate in excess of the emission limits imposed by the permit or rule, as determined by the CEMs emission rates for the immediately preceding 20 minutes.

2. A plant start-up must be at the lowest practicable operating rate, not to exceed 70 percent of the designated operating rate, until the SO<sub>2</sub> monitor indicates compliance, Because production rate is difficult to measure during start-up, if a more appropriate indicator (such as blower pressure, furnace temperature, gas strength, blower speed, number of sulfur guns operating, etc.) can be documented, tested and validated, the Department will accept this in lieu of directly documenting the operating rate. Implementation requires the development of a suitable list of surrogate parameters to demonstrate and document the reduced operating rate on a plant-by-plant basis. Documentation that the plant is conducting start-up at the reduced rate is the responsibility of the owner or operator.

3. Sulfuric acid plants are authorized to emit excess emissions from start-up for a period of three consecutive hours provided best operational practices, in accordance with this agreement, to minimize emissions are followed. No plant shall be operated (with sulfur as fuel) out of compliance for more than three consecutive hours, Thereafter, the plant shall be shut down, The plant shall be shut down (cease burning sulfur) if, as indicated by the continuous emission monitoring system, the plant is not in compliance within three hours of start-up, Restart may occur as soon as practicable following any needed repairs or adjustments, provided the corrective action is taken and properly documented.

4. Cold Start-Up Procedures.

a. Converter.

(1) The inlet and outlet temperature at the first two masses of catalyst shall be sufficiently high to provide immediate ignition when SO<sub>2</sub> enters the masses, In no event shall the inlet temperature to the first mass be less than 800°F or the outlet temperature to the first two masses be less than 700°F. These temperatures are the desired temperatures at the time the use of auxiliary fuel is terminated.

(2) The gas stream entering the converter shall contain SO<sub>2</sub> at a level less than normal, and sufficiently low to promote catalytic conversion to SO<sub>3</sub>.

b. Absorbing Towers.

The concentration, temperature and flow of circulating acid shall be as near to normal conditions as reasonably can be achieved. In no event shall the concentration be less than 96 percent H<sub>2</sub>SO<sub>4</sub>.

5. Warm Restart.

a. Converter.

The inlet and outlet temperatures of the first two catalyst masses should be sufficiently high to ensure conversion. one of the following three conditions must be met:

- (1) The first two catalyst masses inlet and outlet temperatures must be at a minimum of 700°F;  
or
- (2) Two of the four inlet and outlet temperatures must be greater than or equal to 800°F; or
- (3) The inlet temperature of the first catalyst must be greater than or equal to 600°F and the outlet temperature greater than or equal to 800°F. Also, the inlet and outlet temperatures of the second catalyst must be greater than or equal to 700°F.

Failure to meet one of the above conditions, requires use of cold start-up procedures.

To allow for technological improvements or individual plant conditions, alternative conditions will be considered by the Department in appropriate cases.

b. Absorbing Towers.

The concentration, temperature and flow of circulating acid shall be as near to normal conditions as reasonably can be achieved, In no event shall the concentration be less than 96 percent H<sub>2</sub>SO<sub>4</sub>.

## **Compliance Plan CP-1**

Settlement Dated 7/15/04

### **A. Compliance Plan**

Within 10 days of the effective date of this agreement, the Department shall incorporate into the draft Title V Air Operation Permit Revision (0470002-041 AV) a compliance plan as set forth in paragraphs 1, 2, and 3, below. This draft Title V Air Operation Permit Revision will immediately be forwarded to EPA as a "proposed" Title V Air Operation Permit Revision. The compliance plan will include the following:

1. Upon the effective date of the Title V Air Operation Permit Revision, PCS shall be in compliance with all emission limits contained in the Phosphate MACT.
2. As soon as possible but no later than August 1, 2004, PCS shall submit a proposal for an alternate monitoring plan for the Phosphate MACT to the Division's Emission Monitoring Section for approval. PCS represents that the alternate monitoring plan will describe compliance monitoring for the facility based upon monitoring of scrubbing liquid flow to scrubbers, scrubber fan amperage, and minimum air pressure differential across scrubbers on sources of hydrogen fluoride. The Department has not reviewed the proposal at the time of executing this agreement and reserves its right to approve or reject such proposal. PCS agrees to work diligently and expeditiously to complete the alternate monitoring plan; the Department agrees to work diligently and expeditiously in reviewing, commenting on and rejecting or approving the alternate monitoring plan. In the event an alternate monitoring plan is ultimately approved by the Department, such approval will be by final order of the Department.
3. In the event the Department issues a final order approving the alternate monitoring plan, the following deadlines apply:
  - a. Within 15 days of the final order, or September 30, 2004, whichever is later, PCS shall confirm in writing to the Department the data collection into electronic storage for all monitoring devices contained in the approved alternate monitoring plan;

- b. Within 45 days of the final order, or October 31, 2004, whichever is later, PCS shall install and have in operation a data management and reporting system for all required components of its approved alternate monitoring plan;
- c. Thereafter, PCS shall submit semiannual reports required by the Phosphate MACT, containing all data from the monitoring devices identified in paragraph 3a as required by the Title V Air Operation Permit Revision.

## Appendix H-1, Permit History/ID Number Changes

White Springs Agricultural Chemicals, Inc.  
Suwannee River/Swift Creek Complex

DRAFT Permit No. 0470002-048-AV  
Facility ID No.: 0470002

**Permit History (for tracking purposes):**

E.U.

<u>ID No.</u>	<u>Description</u>	<u>Permit No.</u>	<u>Issue Date</u>	<u>Expiration Date</u>	<u>Extended</u>	<u>Date<sup>1,2</sup></u>	<u>Revised Date(s)</u>
1	#2 PHOS ROCK GRNDR	A024166153	4-OCT-89	02-JUN-95			
		0470002008AO	13-OCT-95	15-AUG-96			
		0470002030AC	27-OCT-95	27-OCT-00			
		0470002034AC	03-MAR-97	31-AUG-97			
2	A PHOS ACID PLANT	A024170304	14-DEC-89	02-JUN-95			
		0470002025AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
3	A DFP PLANT	A024226519	14-JUN-93	24-MAY-98			
		AC24255802	22-NOV-94	31-JAN-96			
		0470002024AO	13-OCT-95	15-AUG-96			
		0470002029AC	23-NOV-94	15-JUN-96			
		0470002031AO	05-JUN-96	24-MAY-98			
		0470002034AC	03-MAR-97	31-AUG-97			
		0470002040AC	31-MAY-02	28-FEB-03			
4	X-TRAIN (DICAL)	A024210440	31-AUG-92	04-JUN-97			
		0470002021AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
6	SRM SILOS	A024213076	29-JUL-92	25-JUL-97			
		0470002004AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
		0470002053AC					
8	Y-TRAIN (#1 DAP PLANT)	A024170293	19-DEC-89	02-JUN-95			
		0470002019AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
9	SRM EAST DRYER	A024170294	13-DEC-89	02-JUN-95			
		0470002005AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
10	#1 MAP/DAP/GTSP STRGE BLDG	0470002053AC					
		A024170308	12-JUN-90	02-JUN-95			
		0470002014AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
		0470002043AC	31-MAY-02	28-FEB-03			

<u>E.U.</u> <u>ID No.</u>	<u>Description</u>	<u>Permit No.</u>	<u>Issue Date</u>	<u>Expiration Date</u>	<u>Extended</u>	<u>Date</u> <sup>1,2</sup>	<u>Revised Date(s)</u>
13	SRM ROCK GRINDER	A024170302	19-DEC-89	02-JUN-95			
		0470002003AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
		0470002053AC					
15	MAP/DAP SCREEN/SHIP	A024181433	20-AUG-90	20-AUG-95			
		0470002023AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
		0470002042AC	31-MAY-02	28-FEB-03			
16	#1 SRCC PHOS ROCK GRINDER	A024170298	18-DEC-89	02-JUN-95			
		0470002007AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
		0470002053AC					
17	SRM WEST ROCK DRYER	A024170295	13-DEC-89	02-JUN-95			
		0470002006AO	13-OCT-95	15-AUG-96			
		0470002053AC					
19	C PHOS ACID PLANT	A024181431	15-AUG-90	22-AUG-95			
		0470002027AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
20	B PHOS ACID PLANT	A024203632	08-JAN-92	28-FEB-97			
		0470002026AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
21	C SULFURIC ACID PLANT	A024166154	08-SEP-89	02-JUN-95			
		0470002010AO	3-OCT-95	15-AUG-96 A			
		0470002034AC	03-MAR-97	31-AUG-97			
22	D SULFURIC ACID PLANT	A024166156	08-SEP-89	02-JUN-95			
		0470002011AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
27	#1 GTSP STORAGE BLDG	A024170308	12-JUN-90	02-JUN-95			
		0470002014AO	13-OCT-95	15-AUG-96			
32	Z-TRAIN (#2 DAP)	A024181672	30-AUG-90	22-OCT-95			
		0470002020AO	13-OCT-95	13-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
34	S-PHOSPHORIC ACID FILTERS	A024221031	19-JAN-93	31-JAN-98			
		0470002017AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
35	N-PHOSPHORIC ACID FILTERS	A024209028	12-MAY-92	31-AUG-97			
		0470002018AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			

E.U. ID No.	Description	Permit No.	Issue Date	Expiration Date	Extended	Date <sup>1,2</sup>	Revised Date(s)
36	A SPA PLANT	A024170300	22-MAR-90	02-JUN-95			
		0470002015AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
37	B SPA PLANT	A024170300	22-MAR-90	02-JUN-95			
		0470002015AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
38	B DFP-PLANT	A024226519	14-JUN-93	24-MAY-98			
		AC24255802	22-NOV-94	31-JAN-96			
		0470002024AO	13-OCT-95	15-AUG-96			
		0470002029AC	23-NOV-94	15-JTJN-96			
		0470002031AO	05-JUN-96	24-MAY-98			
		0470002034AC	03-MAR-97	31-AUG-97			
		0470002038AC	25-JUL-00	31-JAN-03			
39	C AUX BOILER	A024174865	04-APR-90	02-J-UN-95			
		0470002012AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
40	D AUX BOILER	A024174864	04-APR-90	02-JUN-95			
		0470002013AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
41	DICAL ACID PREP	A024221659	12-MAR-93	28-FEB-98			
		0470002022AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
		0470002053AC					
42	DFP FEED PREP	A024226519	14-JUN-93	24-MAY-98			
		0470002024AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
44	A COOLER (POLLYPHOS)	A024226519	14-JUN-93	24-MAY-98			
		0470002024AO	13-OCT-95	15-AUG-96			
		0470002031AO	05-JUN-96	24-MAY-98			
		0470002034AC	03-MAR-97	31-AUG-97			
45	B COOLER (POLLYPHOS)	A024226519	14-JUN-93	24-MAY-98			
		0470002024AO	13-OCT-95	15-AUG-96			
		0470002031AO	05-JUN-96	24-MAY-98			
		0470002034AC	03-MAR-97	31-AUG-97			
46	FA/FM-ACF(FILTER AID/MEDIA)	A024221031	19-JAN-93	31-JAN-98			
		0470002017AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			



<u>E.U. ID No.</u>	<u>Description</u>	<u>Permit No.</u>	<u>Issue Date</u>	<u>Expiration Date</u>	<u>Extended</u>	<u>Date<sup>1,2</sup></u>	<u>Revised Date(s)</u>
48	LIMESTONE STORAGE	A024210440	31-AUG-92	04-JUN-97			
		0470002021AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
49	DICAL SHIPPING	A024210440	31-AUG-92	04-JUN-97			
		0470002021AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
50	DIA.EARTH STORAGE	AO24221659	12-MAR-93	28-FEB-98			
		0470002034AC	03-MAR-97	31-AUG-97			
52	DICAL DE-DUST	A024210440	31-AUG-92	04-JUN-97			
		0470002021AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
53	SODA ASH SYSTEM	A024226519	14-JUN-93	24-MAY-98			
		0470002024AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
54	MOLTEN SULFUR SYSTEM	A024187726	04-JAN-91	01-JAN-96			
		0470002028AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
60	LIMESTONE SYS FOR POLYPHOS FEED PREP	A024226519	14-JUN-93	24-MAY-98			
		0470002024AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
61	GREEN SPA (SUPERPHOSPHORIC ACID) PLANT	AC24205170	10-MAR-92	02-JUN-95			
		0470002016AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
62	POLLYPHOS SILOS	AC24250411	08-AUG-94	02-JUN-95			
		0470002024AO	13-OCT-95	15-AUG-96			
		0470002034AC	03-MAR-97	31-AUG-97			
		0470002045AC	23-MAY-03	23-JUL-04			
63	#2 DAP COOLER	0470002032AC	19-SEP-96	28-FEB-98			
		0470002034AC	03-MAR-97	31-AUG-97			
064	SCM ROCK DRYER	A024195321	11-JUL-91	15-AUG-96			
		0470005001AO	13-OCT-95	15-AUG-96			
		0470005002AO	13-OCT-95	15-AUG-96			
		0470005010AC	27-OCT-95	27-OCT-00			
		0470005011AC	03-MAR-97	31-AUG-97			
065	SCM SILOS	A024213077	29-JUL-92	25-JUL-97			
		0470005001AO	13-OCT-95	15-AUG-96			
		0470005011AC	03-MAR-97	31-AUG-97			
066	E SULFURIC ACID PLANT	A024174862	30-MAY-90	02-JUN-95			
		0470005004AO	13-OCT-95	15-AUG-96			
		0470005011AC	03-MAR-97	31-AUG-97			

<u>E.U.</u> <u>ID No.</u>	<u>Description</u>	<u>Permit No.</u>	<u>Issue Date</u>	<u>Expiration Date</u>	<u>Extended</u>	<u>Date</u> <sup>1,2</sup>	<u>Revised Date(s)</u>
067	F SULFURIC ACID PLANT	A024174863	01-JUN-90	02-JUN-95			
		0470005005AO	13-OCT-95	15-AUG-96			
		0470005011AC	03-MAR-97	31-AUG-97			
068	E AUX BOILER	A024174861	14-MAY-90	02-JUN-95			
		0470005003AO	13-OCT-95	15-AUG-96			
		0470005011AC	03-MAR-97	31-AUG-97			
069	D PHOS ACID PLANT	A024181430	15-AUG-90	30-SEP-95			
		0470005008AO	13-OCT-95	15-AUG-96			
		0470005011AC	03-MAR-97	31-AUG-97			
070	C & D SPA PLANTS PLUS E & W STORAGE TANKS	A024186309	04-DEC-90	16-DEC-95			
		0470005007AO	13-OCT-95	15-AUG-96			
		0470005011AC	03-MAR-97	31-AUG-97			
071	ACID CLARIFICATION PLANT	A024181434	28-SEP-90	22-AUG-95			
		0470005001AO	13-OCT-95	15-AUG-96			
		0470005006AO	13-OCT-95	15-AUG-96			
		0470005011AC	03-MAR-97	31-AUG-97			
072	MOLTEN SULFUR SYSTEM	A024187633	02-JAN-91	01-JAN-96			
		0470005009AO	13-OCT-95	15-AUG-96			
		0470005011AC	03-MAR-97	31-AUG-97			
All	Facility	0470002041AV	01-OCT-04				
		0470002048AV					

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**ID Number Changes (for tracking purposes):**

From: Facility ID No.: 31JAX240002 and 31JAX240005

To: Facility ID No.: 0470002

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Notes:

1 - AO permit(s) automatic extension(s) in Rule 62-210.300(2)(a)3.a., F.A.C., effective 03/21/96.

2 - AC permit(s) automatic extension(s) in Rule 62-213.420(1)(a)4., F.A.C., effective 03/20/96.

{Rule 62-213.420(1)(b)2., F.A.C., effective 03/20/96, allows Title V Sources to operate under existing valid permits}

0470002h.doc

## Appendix U-1: List of Unregulated Emissions Units and/or Activities.

White Springs Agricultural Chemicals, Inc  
Suwannee River/Swift Creek Complex

DRAFT Permit No.: 0470002-048-AV  
Facility ID No.: 0470002

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Unregulated Emissions Units and/or Activities. An emissions unit which emits no “emissions-limited pollutant” and which is subject to no unit-specific work practice standard, though it may be subject to regulations applied on a facility-wide basis (e.g., unconfined emissions, odor, general opacity) or to regulations that require only that it be able to prove exemption from unit-specific emissions or work practice standards.

The below listed emissions units and/or activities are neither ‘regulated emissions units’ nor ‘insignificant emissions units’.

### E.U. ID

<u>No.</u>	<u>Brief Description of Emissions Units and/or Activity</u>
-xxx	vehicle traffic on paved and unpaved roads
-xxx	wind erosion from stockpiles
-xxx	acid storage tanks
-xxx	fuel storage tanks
-xxx	maintenance activities (including maintenance painting, parts cleaning, welding)
-xxx	settling pond limiting activities and other wastewater treatment activities
-xxx	carpentry and wood shop activities
-xxx	sand and media blasting for maintenance painting
-xxx	emergency generators - (fuel fired < limits in Rule 62-210.300(3)(a)20., F.A.C.,
-xxx	railcar traffic
-xxx	dust suppressant storage and handling, fugitive emissions from other emissions units

## Table 2-1, Summary of Compliance Requirements

White Springs Agricultural Chemicals, Inc.  
Suwannee River/ Swift Creek Complex

**DRAFT Title V Permit Revision No. 0470002-048-AV**  
Facility ID No.: 0470002

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

**E.U. ID No.**    **Brief Description**

---

44            "A" and "B" Pollyphos Coolers

Pollutant Name or Parameter	Fuel(s)	Compliance Method	Testing Time Frequency	Frequency Base Date *	Min. Compliance Test Duration	CMS**	
							See permit condition(s)
Fluoride		EPA 13A or 13B	Annually	29-Nov			III.Z.6.
Particulate Matter		EPA 5	Annually	29-Nov			III.Z.7.
Visible Emissions		EPA9	Annually	29-Nov			III.Z.8.

**Notes:**

\* The frequency base date is established for planning purposes only; see Rule 62-297.310, F.A.C.

\*\*CMS [=] continuous monitoring system

**Table 1-1, Summary of Air Pollutant Standards and Terms**

White Springs Agricultural Chemicals, Inc.  
 Suwannee River/ Swift Creek Complex

**DRAFT Title V Permit Revision No. 0470002-048-AV**  
 Facility ID No.: 0470002

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

E.U. ID No.	Brief Description
1	#2 Phosphate Rock Grinder

Pollutant Name	Fuel(s)	Hours/Year	Allowable Emissions			Equivalent Emissions*		Regulatory Citation(s)	See permit condition(s)
			Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
Particulate Matter		8760	5% Opacity	22.03	96.5			Requested by applicant	III. A.3.
Visible Emissions		8760		62-297.620(4)					III.A.4.

\* The "Equivalent Emissions" listed are for informational purposes only.

# **Kofax Separator Application**



**KOGLER & ASSOCIATES**  
**ENVIRONMENTAL SERVICES**

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

KA 102-03-05

MEMORANDUM

**RECEIVED**

**JAN 26 2005**

**BUREAU OF AIR REGULATION**

TO: Bobby Bull, FDEP

FROM: Pradeep Raval

DATE: January 21, 2005

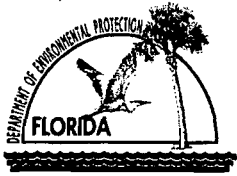
SUBJECT: AC-AV Application  
White Springs Agricultural Chemicals, Inc.

Enclosed is an application for an AC-AV permit change, as discussed.

The application is being sent to you by email as well as regular mail.

If you have any questions, please call me.

C: C. Pults, WSA



# Department of Environmental Protection

**RECEIVED**

JAN 26 2005

## Division of Air Resource Management

BUREAU OF AIR REGULATION

### APPLICATION FOR AIR PERMIT - LONG FORM

#### I. APPLICATION INFORMATION

**Air Construction Permit** – Use this form to apply for an air construction permit for a proposed project:

- subject to prevention of significant deterioration (PSD) review, nonattainment area (NAA) new source review, or maximum achievable control technology (MACT) review; or
- where the applicant proposes to assume a restriction on the potential emissions of one or more pollutants to escape a federal program requirement such as PSD review, NAA new source review, Title V, or MACT; or
- at an existing federally enforceable state air operation permit (FESOP) or Title V permitted facility.

**Air Operation Permit** – Use this form to apply for:

- an initial federally enforceable state air operation permit (FESOP); or
- an initial/revised/renewal Title V air operation permit.

**Air Construction Permit & Revised/Renewal Title V Air Operation Permit (Concurrent Processing Option)** – Use this form to apply for both an air construction permit and a revised or renewal Title V air operation permit incorporating the proposed project.

To ensure accuracy, please see form instructions.

#### Identification of Facility

1. Facility Owner/Company Name: <b>White Springs Agricultural Chemicals, Inc.</b>	
2. Site Name: <b>Suwannee River and Swift Creek Complex</b>	
3. Facility Identification Number: <b>0470002</b>	
4. Facility Location...: Street Address or Other Locator: <b>E of SR 137, E of US 41, N of White Springs</b> City: <b>White Springs</b> County: <b>Hamilton</b> Zip Code: <b>32096</b>	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Title V Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

#### Application Contact

1. Application Contact Name: <b>Pradeep Raval, Consultant</b>	
2. Application Contact Mailing Address... Organization/Firm: <b>Koogler &amp; Associates</b> Street Address: <b>4014 N.W. 13th 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>	
4. Application Contact Email Address: <b>praval@kooglerassociates.com</b>	

#### Application Processing Information (DEP Use)

1. Date of Receipt of Application:	<b>1-24-05</b>
2. Project Number(s):	<b>0470002-053-AC</b>
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	



## APPLICATION INFORMATION

### Purpose of Application

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

#### **Air Construction Permit**

Air construction permit.

#### **Air Operation Permit**

Initial Title V air operation permit.

Title V air operation permit revision.

Title V air operation permit renewal.

Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.

Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.

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

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

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

**Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box:**

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

### Application Comment

**This application is submitted for documenting the removal of emission units previously identified in the TV permit renewal application for the existing chemical plant at White Springs Agricultural Chemicals. Only the information being changed is submitted herein. The following emission units should be deleted from the Title V permit as they will no longer be used at the facility:**

<u>EU#</u>	<u>Description</u>
006	SRM Silos
009	SRM East Rock Dryer
013	SRM Rock Grinder
016	#1 SRCC Phosphate Rock Grinder
017	SRM Rock Dryer
041	Dical Acid Prep

**The permit to operate the above emissions units has been surrendered to FDEP.**






**APPLICATION INFORMATION**

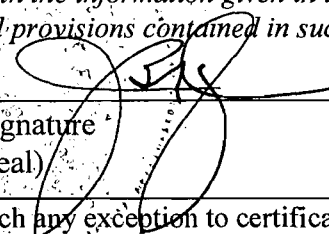
**Application Responsible Official Certification**

**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>Paul H. Barrett, General Manager</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>White Springs Agricultural Chemicals, Inc.</b> Street Address: <b>P.O. Box 300</b> City: <b>White Springs</b> State: <b>FL</b> Zip Code: <b>32096</b>
4. Application Responsible Official Telephone Numbers... Telephone: <b>(386) 397-8101</b> Fax: <b>(386) 397-1026</b>
5. Application Responsible Official Email Address: <b>pbarrett@pcsphosphate.com</b>
6. Application Responsible Official Certification: <i>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.</i>   Signature _____ Date <u>1-21-05</u>

# APPLICATION INFORMATION

## 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, Inc.</b> Street Address: <b>4014 N.W. 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 Email Address: <b>jkoogler@kooglerassociates.com</b>
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <i>(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and</i> <i>(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.</i> <i>(3) If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/>, if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i> <i>(4) If the purpose of this application is to obtain an air construction permit (check here <input type="checkbox"/>, if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input checked="" type="checkbox"/>, if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.</i> <i>(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.</i>  Signature (seal)  Date <u>1/21/05</u>

\* Attach any exception to certification statement.



**FACILITY INFORMATION**

**Facility Regulatory Classifications**

**Check all that would apply *following* completion of all projects and implementation of all other changes proposed in this application for air permit. Refer to instructions to distinguish between a “major source” and a “synthetic minor source.”**

1.	<input type="checkbox"/> Small Business Stationary Source	<input type="checkbox"/> Unknown
2.	<input type="checkbox"/> Synthetic Non-Title V Source	
3.	<input checked="" type="checkbox"/> Title V Source	
4.	<input checked="" type="checkbox"/> Major Source of Air Pollutants, Other than Hazardous Air Pollutants (HAPs)	
5.	<input type="checkbox"/> Synthetic Minor Source of Air Pollutants, Other than HAPs	
6.	<input checked="" type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)	
7.	<input type="checkbox"/> Synthetic Minor Source of HAPs	
8.	<input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS (40 CFR Part 60)	
9.	<input checked="" type="checkbox"/> One or More Emissions Units Subject to Emission Guidelines (40 CFR Part 60)	
10.	<input checked="" type="checkbox"/> One or More Emissions Units Subject to NESHAP (40 CFR Part 61 or Part 63)	
11.	<input type="checkbox"/> Title V Source Solely by EPA Designation (40 CFR 70.3(a)(5))	
12.	<p>Facility Regulatory Classifications Comment:  <b>The Department has determined that the facility is a major source of HAPs and is subject to NESHAPS.</b></p>	

# FACILITY INFORMATION

## List of Pollutants Emitted by Facility

1. Pollutant Emitted	2. Pollutant Classification	3. Emissions Cap [Y or N]?
PM	A	N
PM10	A	N
NOX	A	N
SO2	A	N
FL	B	N
SAM	A	N
CO	A	N
VOC	B	N





**FACILITY INFORMATION**

**C. FACILITY ADDITIONAL INFORMATION**

**Additional Requirements for All Applications, Except as Otherwise Stated**

1. Facility Plot Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously Submitted, Date: _____
2. Process Flow Diagram(s): (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously Submitted, Date: _____
3. Precautions to Prevent Emissions of Unconfined Particulate Matter: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously Submitted, Date: _____

**Additional Requirements for Air Construction Permit Applications**

1. Area Map Showing Facility Location: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable (existing permitted facility)
2. Description of Proposed Construction or Modification: <input checked="" type="checkbox"/> Attached, Document ID: <b><u>Application</u></b>
3. Rule Applicability Analysis: <input checked="" type="checkbox"/> Attached, Document ID: <b><u>Application</u></b>
4. List of Exempt Emissions Units (Rule 62-210.300(3)(a) or (b)1., F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
5. Fugitive Emissions Identification (Rule 62-212.400(2), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
6. Preconstruction Air Quality Monitoring and Analysis (Rule 62-212.400(5)(f), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Ambient Impact Analysis (Rule 62-212.400(5)(d), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
8. Air Quality Impact since 1977 (Rule 62-212.400(5)(h)5., F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Additional Impact Analyses (Rules 62-212.400(5)(e)1. and 62-212.500(4)(e), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

**FACILITY INFORMATION**

**Additional Requirements for FESOP Applications**

1. List of Exempt Emissions Units (Rule 62-210.300(3)(a) or (b)1., F.A.C.):  
 Attached, Document ID: \_\_\_\_\_  Not Applicable (no exempt units at facility)

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

1. List of Insignificant Activities (Required for initial/renewal applications only):  
 Attached, Document ID: \_\_\_\_\_  Not Applicable (revision application)

2. Identification of Applicable Requirements (Required for initial/renewal applications, and for revision applications if this information would be changed as a result of the revision being sought):  
 Attached, Document ID: \_\_\_\_\_  
 Not Applicable (revision application with no change in applicable requirements)

3. Compliance Report and Plan (Required for all initial/revision/renewal applications):  
 Attached, Document ID: \_\_\_\_\_  
Note: A compliance plan must be submitted for each emissions unit that is not in compliance with all applicable requirements at the time of application and/or at any time during application processing. The department must be notified of any changes in compliance status during application processing.

4. List of Equipment/Activities Regulated under Title VI (If applicable, required for initial/renewal applications only):  
 Attached, Document ID: \_\_\_\_\_  
 Equipment/Activities On site but Not Required to be Individually Listed  
 Not Applicable

5. Verification of Risk Management Plan Submission to EPA (If applicable, required for initial/renewal applications only) :  
 Attached, Document ID: \_\_\_\_\_  Not Applicable

6. Requested Changes to Current Title V Air Operation Permit:  
 Attached, Document ID: \_\_\_\_\_  Not Applicable

**Additional Requirements Comment**

--



# Department of Environmental Protection

Jeb Bush  
Governor

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

Colleen M. Castille  
Secretary

## P.E. Certification Statement

**Permittee:** White Spring Agricultural Chemicals, Inc  
Suwannee River/Swift Creek Complex

**Draft Air Construction Permit No.:** 0470002-053-AC  
**Facility ID No.:** 0470002

**Project:** Draft Air Construction Permit

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



James K. Pennington, P.E.  
Registration Number: 0034536

2/2/05  
Date

Permitting Authority:  
Florida Department of Environmental Protection  
Division of Air Resources Management  
Bureau of Air Regulation  
Mail Station #5505  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Telephone: 850/488-0114  
Fax: 850/922-6979

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Printed on recycled paper.



# Department of Environmental Protection

Jeb Bush  
Governor

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

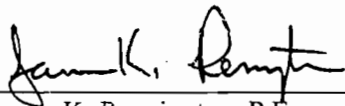
Colleen M. Castille  
Secretary

## P.E. Certification Statement

**Permittee:** White Spring Agricultural Chemicals, Inc   **DRAFT Permit Renewal No.:**0470002-048-AV  
Suwannee River/Swift Creek Complex   **Facility ID No.:** 0470002

**Project:** Title V Air Operation Permit Renewal

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

  
\_\_\_\_\_  
James K. Pennington, P.E.  
Registration Number: 0034536

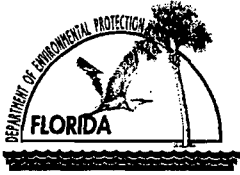
2/2/05  
\_\_\_\_\_  
Date

Permitting Authority:  
Florida Department of Environmental Protection  
Division of Air Resources Management  
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Telephone: 850/488-0114  
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# Department of Environmental Protection

## Division of Air Resource Management

### APPLICATION FOR AIR PERMIT - LONG FORM

#### I. APPLICATION INFORMATION

**Air Construction Permit** – Use this form to apply for an air construction permit for a proposed project:

- subject to prevention of significant deterioration (PSD) review, nonattainment area (NAA) new source review, or maximum achievable control technology (MACT) review; or
- where the applicant proposes to assume a restriction on the potential emissions of one or more pollutants to escape a federal program requirement such as PSD review, NAA new source review, Title V, or MACT; or
- at an existing federally enforceable state air operation permit (FESOP) or Title V permitted facility.

**Air Operation Permit** – Use this form to apply for:

- an initial federally enforceable state air operation permit (FESOP); or
- an initial/revised/renewal Title V air operation permit.

**Air Construction Permit & Revised/Renewal Title V Air Operation Permit (Concurrent Processing Option)** – Use this form to apply for both an air construction permit and a revised or renewal Title V air operation permit incorporating the proposed project.

To ensure accuracy, please see form instructions.

#### Identification of Facility

1. Facility Owner/Company Name: <b>White Springs Agricultural Chemicals, Inc.</b>	
2. Site Name: <b>Suwannee River and Swift Creek Complex</b>	
3. Facility Identification Number: <b>0470002</b>	
4. Facility Location...: Street Address or Other Locator: <b>E of SR 137, E of US 41, N of White Springs</b> City: <b>White Springs</b> County: <b>Hamilton</b> Zip Code: <b>32096</b>	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Title V Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

#### Application Contact

1. Application Contact Name: <b>Pradeep Raval, Consultant</b>	
2. Application Contact Mailing Address... Organization/Firm: <b>Koogler &amp; Associates</b> Street Address: <b>4014 N.W. 13th 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>	
4. Application Contact Email Address: <b>praval@kooglerassociates.com</b>	

#### Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Project Number(s):	
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

## APPLICATION INFORMATION

### Purpose of Application

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

#### **Air Construction Permit**

Air construction permit.

#### **Air Operation Permit**

Initial Title V air operation permit.

Title V air operation permit revision.

Title V air operation permit renewal.

Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.

Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.

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

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

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

**Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box:**

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

### Application Comment

**This application is submitted for documenting the removal of emission units previously identified in the TV permit renewal application for the existing chemical plant at White Springs Agricultural Chemicals. Only the information being changed is submitted herein. The following emission units should be deleted from the Title V permit as they will no longer be used at the facility:**

<u><b>EU#</b></u>	<u><b>Description</b></u>
<b>006</b>	<b>SRM Silos</b>
<b>009</b>	<b>SRM East Rock Dryer</b>
<b>013</b>	<b>SRM Rock Grinder</b>
<b>016</b>	<b>#1 SRCC Phosphate Rock Grinder</b>
<b>017</b>	<b>SRM Rock Dryer</b>
<b>041</b>	<b>Dical Acid Prep</b>

**The permit to operate the above emissions units has been surrendered to FDEP.**



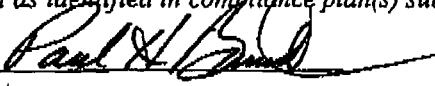




## APPLICATION INFORMATION

### 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>Paul H. Barrett, General Manager</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>White Springs Agricultural Chemicals, Inc.</b> Street Address: <b>P.O. Box 300</b> City: <b>White Springs</b> State: <b>FL</b> Zip Code: <b>32096</b>
4. Application Responsible Official Telephone Numbers... Telephone: <b>(386) 397-8101</b> Fax: <b>(386) 397-1026</b>
5. Application Responsible Official Email Address: <b>pbarrett@pcsphosphate.com</b>
6. Application Responsible Official Certification:  <i>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.</i>   Signature _____ Date <u>1-21-05</u>

**APPLICATION INFORMATION**

**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, Inc.</b> Street Address: <b>4014 N.W. 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 Email Address: <b>jkoogler@kooglerassociates.com</b>
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i>  <i>(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and</i>  <i>(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.</i>  <i>(3) If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/>, if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i>  <i>(4) If the purpose of this application is to obtain an air construction permit (check here <input type="checkbox"/>, if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input checked="" type="checkbox"/>, if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.</i>  <i>(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.</i>  _____ Signature (seal)  _____ Date <b>1/21/05</b>

\* Attach any exception to certification statement.



**FACILITY INFORMATION**

**Facility Regulatory Classifications**

Check all that would apply *following* completion of all projects and implementation of all other changes proposed in this application for air permit. Refer to instructions to distinguish between a “major source” and a “synthetic minor source.”

1.	<input type="checkbox"/> Small Business Stationary Source	<input type="checkbox"/> Unknown
2.	<input type="checkbox"/> Synthetic Non-Title V Source	
3.	<input checked="" type="checkbox"/> Title V Source	
4.	<input checked="" type="checkbox"/> Major Source of Air Pollutants, Other than Hazardous Air Pollutants (HAPs)	
5.	<input type="checkbox"/> Synthetic Minor Source of Air Pollutants, Other than HAPs	
6.	<input checked="" type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)	
7.	<input type="checkbox"/> Synthetic Minor Source of HAPs	
8.	<input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS (40 CFR Part 60)	
9.	<input checked="" type="checkbox"/> One or More Emissions Units Subject to Emission Guidelines (40 CFR Part 60)	
10.	<input checked="" type="checkbox"/> One or More Emissions Units Subject to NESHAP (40 CFR Part 61 or Part 63)	
11.	<input type="checkbox"/> Title V Source Solely by EPA Designation (40 CFR 70.3(a)(5))	
12.	Facility Regulatory Classifications Comment: <b>The Department has determined that the facility is a major source of HAPs and is subject to NESHAPS.</b>	

**FACILITY INFORMATION**

**List of Pollutants Emitted by Facility**

1. Pollutant Emitted	2. Pollutant Classification	3. Emissions Cap [Y or N]?
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PM10	A	N
NOX	A	N
SO2	A	N
FL	B	N
SAM	A	N
CO	A	N
VOC	B	N



## FACILITY INFORMATION

### C. FACILITY ADDITIONAL INFORMATION

#### Additional Requirements for All Applications, Except as Otherwise Stated

1. Facility Plot Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously Submitted, Date: _____
2. Process Flow Diagram(s): (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously Submitted, Date: _____
3. Precautions to Prevent Emissions of Unconfined Particulate Matter: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously Submitted, Date: _____

#### Additional Requirements for Air Construction Permit Applications

1. Area Map Showing Facility Location: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable (existing permitted facility)
2. Description of Proposed Construction or Modification: <input checked="" type="checkbox"/> Attached, Document ID: <b>Application</b>
3. Rule Applicability Analysis: <input checked="" type="checkbox"/> Attached, Document ID: <b>Application</b>
4. List of Exempt Emissions Units (Rule 62-210.300(3)(a) or (b)1., F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
5. Fugitive Emissions Identification (Rule 62-212.400(2), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
6. Preconstruction Air Quality Monitoring and Analysis (Rule 62-212.400(5)(f), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Ambient Impact Analysis (Rule 62-212.400(5)(d), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
8. Air Quality Impact since 1977 (Rule 62-212.400(5)(h)5., F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Additional Impact Analyses (Rules 62-212.400(5)(e)1. and 62-212.500(4)(e), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable



