Department of Environmental Protection

Jeb Bush
Governor

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

Colleen M. Castille
Secretary

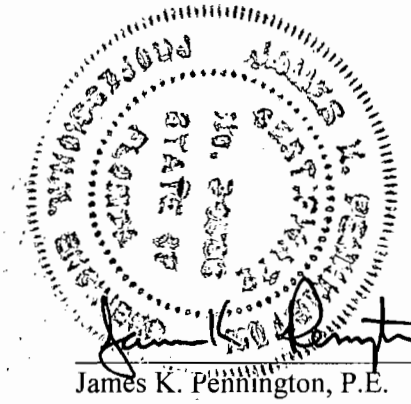
P.E. Certification Statement

Permittee: White Spring Agricultural Chemicals, Inc
Suwannee River/Swift Creek Complex

DRAFT Permit Renewal No.:0470002-048-AV
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
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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Street, Apt. No.; or PO Box No.: Post Office Box 300
City, State, ZIP+4: White Springs, Florida 32096-0300

PS Form 3800, January 2001 — See Reverse for Instructions

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- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Mr. Paul H. Barrett, General Manager
White Springs Agricultural Chemicals, Inc.
Suwannee River/Swift Creek Complex
Post Office Box 300
White Springs, Florida 32096-0300

COMPLETE ... DELIVERY

A. Signature
X [signature] ☒ Agent ☐ Addressee

B. Received by (Printed Name) [illegible] C. Date of Delivery 6/30/01

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
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☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

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Dept. of Environmental Protection
Division of Air Resources Mgt.
Bureau of Air Regulation, NSR
2600 Blair Stone Rd., MS 5505
Tallahassee, FL 32399-2400

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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 78th 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"

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,

for Trina L. Vielhauer
Chief
Bureau of Air Regulation

TLV/jkp/rlb

Enclosures

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

_____/

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 78th 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

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

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 L. Harvey 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 78th 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 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

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.

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.

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.

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

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 78th 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

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).

Sub-section	E.U. ID No.	Brief Description
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. ID No.	Brief Description
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. ID No.	Brief Description
002	"A" Phosphoric Acid Plant

"A" Phosphoric Acid Plant is controlled by a Multi-Staged 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_2O_5 input or Maximum Daily 1-Hour Average Rate = 37 tons 100% P_2O_5 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. ID No.	Brief Description
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_2O_5 input or Maximum Daily 1-Hour Average Rate = 37 tons 100% P_2O_5 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. ID No.	Brief Description
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. ID No.	Brief Description
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_2O_5 INPUT) phosphoric acid.
Mode 2 - DAP (Diammonium Phosphate) produced by 40% P_2O_5 INPUT phosphoric acid.
Mode 3 - TSP (Triplesuperphosphate) production.
Mode 4 - MAP (Monoammonium Phosphate) produced by Split Acid (30% & 50% P_2O_5 INPUT) phosphoric acid.
Mode 5 - MAP (Monoammonium Phosphate) produced by 40% P_2O_5 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. ID No.	Brief Description
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. ID No.	Brief Description
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. ID No.	Brief Description
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_2O_5 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. ID No.	Brief Description
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_2O_5 input or Maximum Daily 1-Hour Average Rate = 83 tons 100% P_2O_5 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. ID No.	Brief Description
021	"C" Sulfuric Acid Plant

"C" Sulfuric Acid Plant is a double absorption process that produces sulfuric acid and controls sulfur dioxide (SO_2) 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% H2S04 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_2SO_4, 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_2SO_4, 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. ID No.	Brief Description
022	"D" Sulfuric Acid Plant

"D" Sulfuric Acid Plant is a double absorption process that produces sulfuric acid and controls sulfur dioxide (SO_2) 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_2SO_4 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_2SO_4, 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_2SO_4, 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. ID No.	Brief Description
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_2O_5 input) phosphoric acid.
Mode 2 - MAP (Monoammonium Phosphate) produced by Split Acid (30% & 50% P_2O_5 input) phosphoric acid.
Mode 3 - DAP (Diammonium Phosphate) produced by 40% P_2O_5 input phosphoric acid.
Mode 4 - MAP (Monoammonium Phosphate) produced by 40% P_2O_5 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_2O_5 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).

E.U. ID No.	Brief Description
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_2O_5 input or Maximum Daily 1-Hour Average Rate = 50 tons P_2O_5 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_2O_5 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_2O_5 input or Maximum Daily 1-Hour Average Rate = 102.1 tons P_2O_5 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_2O_5 input or Maximum Daily 1-Hour Average Rate = 46.4 tons of 100% P_2O_5 input.
"B" SPA - the Maximum 12-MRA Hourly Rate = 42.1 tons of 100% P_2O_5 input or Maximum Daily 1-Hour Average Rate = 46.4 tons of 100% P_2O_5 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_2O_5 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).

E.U. ID No.	Brief Description
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).

E.U. ID No.	Brief Description
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. ID No.	Brief Description
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_2O_5 input or Maximum Daily 1-Hour Average Rate = 27.7 tons of 100% P_2O_5 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.[1]
[1] 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. ID No.	Brief Description
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. ID No.	Brief Description
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. ID No.	Brief Description
066	"E" Sulfuric Acid Plant

"E" Sulfuric Acid Plant is a double absorption process that produces sulfuric acid and controls sulfur dioxide (SO_2) 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_2SO_4 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_2SO_4, 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_2SO_4, 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. ID No.	Brief Description
067	"F" Sulfuric Acid Plant

"F" Sulfuric Acid Plant is a double absorption process that produces sulfuric acid and controls sulfur dioxide (SO_2) 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_2SO_4 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_2SO_4, 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_2SO_4, 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. ID No.	Brief Description
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 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.

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. ID No.	Brief Description
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_2O_5 input (from 274.92 TPH of 31% phosphate rock) or Maximum Daily 1-Hour Average Rate = 95 tons 100% P_2O_5 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_2O_5 input or Maximum Daily 1-Hour Average Rate = 95 tons of 100% P_2O_5 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_2O_5 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. ID No.	Brief Description
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_2O_5 input or Maximum Daily 1-Hour Average Rate = 100 tons 100% P_2O_5 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_2O_5 input)[1]; 4.51 lbs/hr and 19.75 TPY.
[Rule 62-210.200(42), F.A.C.; ([1]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

E.U. ID No.	Sub-section	Brief Description
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:

ON-SPEC USED OIL SPECIFICATIONS	
Constituent/Property	**Allowable Level**
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 ≥ 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

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" men 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	Spirometer or calibrated wet test or dry gas test meter	2%
	3. Check after each test series	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

	Indicator 1	Indicator 2	Indicator 3
1. Indicator	Max and Min Fan Amps	Max and Min Liquid Flow Rate	Min dP
Measuring Approach	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
2. Indicator Range	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.
3. Performance Criteria			
A. Representative Data	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. QA/QC Practices and Criteria	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.
C. Monitoring Frequency	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
4. Data Collection Procedures	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.
5. Averaging Period	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
1. Indicator	Max and Min Fan Amps	Max and Min Liquid Flow Rate	Min dP
Measuring Approach	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
2. Indicator Range	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: Reaction Scubber: Max Amps >25 Min Amps <17 Dryer Scrubber Max Amps >23 Min Amps <21 Dust Scrubber Max Amps >20 Min Amps <18	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: Reaction Scrubber Max flow > 493 Min flow < 297 Dryer Scrubber Max flow > 309 Min flow < 283 Dust Scrubber Max flow > 333 Min flow < 326	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: Reaction Scrubber Min dP < 5.1 Dryer Scrubber Min dP < 14.6 Dust Scrubber Min dP < 10.8
	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.
3. Performance Criteria			
A. Representative Data	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. QA/QC Practices and Criteria	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.
C. Monitoring Frequency	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
4. Data Collection Procedures	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.
5. Averaging Period	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
1. Indicator	Max and Min Fan Amps	Max and Min Liquid Flow Rate	Min dP
Measuring Approach	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
2. Indicator Range	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 < 23	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 > 336 Min flow <316	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 < 14.6
	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.
3. Performance Criteria			
A. Representative Data	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. QA/QC Practices and Criteria	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.
C. Monitoring Frequency	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
4. Data Collection Procedures	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.
5. Averaging Period	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

	Indicator 1	Indicator 2	Indicator 3
1. Indicator	Max and Min Fan Amps	Max and Min Liquid Flow Rate	Min dP
Measuring Approach	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
2. Indicator Range	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.
3. Performance Criteria			
A. Representative Data	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. QA/QC Practices and Criteria	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.
C. Monitoring Frequency	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
4. Data Collection Procedures	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.
5. Averaging Period	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

	Indicator 1	Indicator 2	Indicator 3
1. Indicator	Max and Min Fan Amps	Max and Min Liquid Flow Rate	Min dP
Measuring Approach	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
2. Indicator Range	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 > 19 Min Amps < 16	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 > 800 Min flow < 621	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 < 1.2
	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.
3. Performance Criteria			
A. Representative Data	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. QA/QC Practices and Criteria	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.
C. Monitoring Frequency	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
4. Data Collection Procedures	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.
5. Averaging Period	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

	Indicator 1	Indicator 2	Indicator 3
1. Indicator	Max and Min Fan Amps	Max and Min Liquid Flow Rate	Min dP
Measuring Approach	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
2. Indicator Range	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 > 16 Min Amps < 24	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 > 2552 Min flow < 536	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 < 14.2
	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.
3. Performance Criteria			
A. Representative Data	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. QA/QC Practices and Criteria	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.
C. Monitoring Frequency	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
4. Data Collection Procedures	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.
5. Averaging Period	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

	Indicator 1	Indicator 2	Indicator 3
1. Indicator	Max and Min Fan Amps	Max and Min Liquid Flow Rate	Min dP
Measuring Approach	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
2. Indicator Range	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 > 21 Min Amps < 19	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: Hig Pressure Flow Max flow > 1285 Min flow < 749 Low Pressure Flow Max flow > 1278Min flow < 1030 Tailgas Scrubber Hig Pressure Flow 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 < 13.2 Tailgas Scrubber 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.
3. Performance Criteria			
A. Representative Data	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. QA/QC Practices and Criteria	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.
C. Monitoring Frequency	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
4. Data Collection Procedures	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.
5. Averaging Period	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
1. Indicator	Max and Min Fan Amps	Max and Min Liquid Flow Rate	Min dP
Measuring Approach	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
2. Indicator Range	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 > 252 Min Amps < 225	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 > 269 Min flow < 275	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 < 13.0
	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.
3. Performance Criteria			
A. Representative Data	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. QA/QC Practices and Criteria	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.
C. Monitoring Frequency	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
4. Data Collection Procedures	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.
5. Averaging Period	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

	Indicator 1	Indicator 2	Indicator 3
1. Indicator	Max and Min Fan Amps	Max and Min Liquid Flow Rate	Min dP
Measuring Approach	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
2. Indicator Range	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.
3. Performance Criteria			
A. Representative Data	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. QA/QC Practices and Criteria	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.
C. Monitoring Frequency	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
4. Data Collection Procedures	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.
5. Averaging Period	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

	Indicator 1	Indicator 2	Indicator 3
1. Indicator	Max and Min Fan Amps	Max and Min Liquid Flow Rate	Min dP
Measuring Approach	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
2. Indicator Range	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 > 60 Min Amps < 58	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 > 50 Min flow < 73	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 < 8.0
	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.
3. Performance Criteria			
A. Representative Data	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. QA/QC Practices and Criteria	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.
C. Monitoring Frequency	All parameters are monitored continuously.	All parameters are monitored continuously.	All parameters are monitored continuously.
4. Data Collection Procedures	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.
5. Averaging Period	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 ±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.

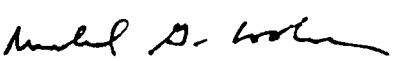
Mediation is not available in this proceeding.

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 4th 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 10/14/04
(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 Scrubbe 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_2 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_2 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_2 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_2 at a level less than normal, and sufficiently low to promote catalytic conversion to SO_3.

   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_2SO_4.

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_2SO_4.

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. ID No.	Description	Permit No.	Issue Date	Expiration Date	Extended Date[1, 2]	Revised Date(s)
1	#2 PHOS ROCK GRNDER	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-9G		
		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-9G		
		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		
		0470002053AC				
10	#1 MAP/DAP/GTSP STRGE BLDG	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		

E.U. ID No.	Description	Permit No.	Issue Date	Expiration Date	Extended Date[1, 2]	Revised Date(s)
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		
		047000201OA0	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		
		047000202OA0	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[1,2]	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		

E.U. ID No.	Description	Permit No.	Issue Date	Expiration Date	Extended Date[1, 2]	Revised Date(s)
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		
		0470005OOlAO	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-J-UL-97		
		0470005OOlAO	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		

E.U. ID No.	Description	Permit No.	Issue Date	Expiration Date	Extended Date[1, 2]	Revised Date(s)
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	A024186309	04-DEC-90	16-DEC-95		
	E & W STORAGE TANKS	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		
		0470005OOlAO	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				

ID Number Changes (for tracking purposes):

From: **Facility ID No.**: 31JAX240002 and 31JAX240005 To: **Facility ID No.**: 0470002

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}

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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

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 No.	Brief Description of Emissions Units and/or Activity
-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

			Allowable Emissions			Equivalent Emissions*			
Pollutant Name	Fuel(s)	Hours/Year	Standard(s)	lbs./hour	TPY	lbs./hour	TPY	Regulatory Citation(s)	See permit condition(s)
Particulate Matter		8760		22.03	96.5			Requested by applicant	III. A.3.
Visible Emissions		8760	5% Opacity					62-297.620(4)	III.A.4.

* The "Equivalent Emissions" listed are for informational purposes only.