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 Mr. Paul H. Barrett, General Manager

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Sent To
 Mr. Paul H. Barrett, General Manager
 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

SENDER: COMPLETE THIS SECTION

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

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) J. Reynolds	B. Date of Delivery 10/1/01
C. Signature J. Reynolds	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee
D. Is delivery address different from item 1? If YES, enter delivery address below:	
<input type="checkbox"/> Yes <input type="checkbox"/> No	

3. Service Type
- | | |
|--|---|
| <input checked="" type="checkbox"/> Certified Mail | <input type="checkbox"/> Express Mail |
| <input type="checkbox"/> Registered | <input type="checkbox"/> Return Receipt for Merchandise |
| <input type="checkbox"/> Insured Mail | <input type="checkbox"/> C.O.D. |
4. Restricted Delivery? (Extra Fee) Yes

2 Article Number (Copy from service label)

7001 1140 0002 1577 7416

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Permit No. G-10

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF AIR RESOURCES MANAGEMENT
BUREAU OF AIR REGULATION - TALLAHASSEE
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

M&5508

RECEIVED
NOV 11 2004
BUREAU OF AIR REGULATION



NOTICE OF FINAL TITLE V AIR OPERATION PERMIT REVISION

In the Matter of an
Application for Permit Revision by:

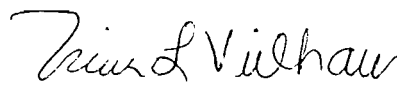
Paul H. Barrett
General Manager
White Springs Agricultural Chemicals, Inc.
Post Office Box 300
White Springs, Florida 32096-0300

FINAL Permit Project No.: 0470002-041-AV
Suwannee River/Swift Creek Complex
Hamilton County

Enclosed is the FINAL Permit, No. 0470002-041-AV, for the Title V Air Operation Revision. The purpose is to incorporate the terms and conditions of the air construction permits, No. 0470002-040-AC, No. 0470002-042-AC, and No. 0470002-043-AC, and to incorporate the provisions of 40 CFR 63 Subparts AA and BB, National Emissions Standards for Hazardous Air Pollutants Phosphoric Acid Manufacturing and Phosphate Fertilizers Production. The facility is located in Hamilton County. This permit revision is issued pursuant to Chapter 403, Florida Statutes (F.S.). There were no comments received from Region 4, U.S. EPA, regarding the PROPOSED Permit.

Any party to this order (permit revision) has the right to seek judicial review of the permit revision pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Legal Office; 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 of Appeal must be filed within 30 (thirty) days from the date this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.



Trina Vielhauer, Chief
Bureau of Air Regulation

TV/rlb

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF FINAL TITLE V AIR OPERATION PERMIT REVISION (including the FINAL Determination and the FINAL Permit) was sent by certified mail before the close of business on 10/11/04 to the person(s) listed or as otherwise noted:

Paul H. Barrett, White Springs Agricultural Chemicals, Inc. General Manager

The undersigned duly designated deputy agency clerk hereby certifies that a copy of this NOTICE OF FINAL TITLE V AIR OPERATION PERMIT REVISION was sent by U.S. Mail before the close of business on 10/11/04 to the person(s) listed or as otherwise noted:

Christopher Kirts, DEP-NED
Rita Felton-Smith, DEP-NED
Pradeep Raval, Consultant, Koogler and Associates
Charles Pults, Sr. Environmental Engineer, White Springs Agricultural Chemicals
USEPA, Region 4 (INTERNET E-mail Memorandum)

Clerk Stamp

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

Barbara J.
(Clerk)

Sunday 10/11/04
(Date)

FINAL Determination

Title V Air Operation Permit Revision
FINAL Permit Project No.: 0470002-041-AV
Revision to Title V Air Operation Permit No.: 0470002-033-AV
White Springs Agricultural Chemicals, Inc.
Suwannee River/Swift Creek Complex
Page 1 of 1

I. Comment(s).

No comments were received from the USEPA during their 45 day review period of the PROPOSED Permit.

II. Conclusion.

In conclusion, the permitting authority hereby issues the FINAL Permit.

STATEMENT OF BASIS

White Springs Agricultural Chemicals, Inc.

Facility ID No.: 0470002
Hamilton County

Title V Air Operation Permit Revision
FINAL Title V Air Operation Permit Revision No.: 0470002-041-AV

The initial Title V Air Operation Permit, No. 0470002-033-AV, was issued/effective on May 14, 1999. This Title V Air Operation Permit Revision 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 revision is to 1) modify the current, permitted compliance testing requirement for Emission Unit Nos. 003 and 038 (Pollyphos® Reactors A & B) from an annual basis to a 5-year basis instead, 2) to modify the current permitted materials processed, stored, and shipped at Emission unit No. 015 (Screening and Shipping Facility) to include Monocal, Dical, and Pollyphos®, 3) to modify the current, permitted materials processed, stored, and shipped at Emission unit No. 010 (No. 1 Storage Building) to include Monocal, Dical, and Pollyphos®, and 4) to incorporate the provisions of 40 CFR 63 Subparts AA and BB, National Emissions Standards for Hazardous Air Pollutants Phosphoric Acid Manufacturing and Phosphate Fertilizers Production.

Several Specific Condition(s) established in Title V Air Operation Permit, No. 0470002-033-AV, and based on an AC permitting action, Nos. 0470002-040-AC, 0470002-042-AC, and 0470002-043-AC are changed as follows:

A. Section II. Facility-wide Condition No. 10

The following condition has been added:

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 no later than the compliance deadline, i.e. June 12, 2002. This facility shall also comply with the General Provisions of 40 CFR 63 Subpart A, as applicable.

B. Section III, Subsection C, Condition No. C.10.

FROM:

C.10. Sulfur Dioxide Emissions stack test method shall be EPA Method 6 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 62-297.401(6), F.A.C.]

TO:

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. Section III, Subsection H, Description

FROM:

E.U. ID

No.
010

Brief Description

SR #1 Storage & Shipping which operates as follows:

Mode 1. When ship DAP (Diammonium Phosphate) or MAP (Monoammonium Phosphate), particulate matter emissions are controlled by a Buffalo wet scrubber.

Mode 2. When ship GTSP (Granular Triple Superphosphate), particulate matter and fluoride emissions are controlled by a Buffalo wet scrubber.

Mode 3. When store GTSP, particulate matter and fluoride emissions are controlled by a Zurn wet scrubber.

TO:

E.U. ID

<u>No.</u>	<u>Brief Description</u>
010	SR #1 Storage & Shipping which operates as follows: Mode 1. When ship Monocal or Dical or Pollyphos® or DAP (Diammonium Phosphate) or MAP (Monoammonium Phosphate), particulate matter emissions are controlled by a Buffalo wet scrubber. Mode 2. When ship GTSP (Granular Triple Superphosphate), particulate matter and fluoride emissions are controlled by a Buffalo wet scrubber. Mode 3. When store GTSP, particulate matter and fluoride emissions are controlled by a Zurn wet scrubber.

D. Section III, Subsection J, Description

FROM:

E.U. ID

<u>No.</u>	<u>Brief Description</u>
015	MAP (Monoammonium Phosphate) or DAP (Diammonium Phosphate) Screening & Shipping Facility with particulate matter emissions controlled by a single cyclone in series with a Venturi wet scrubber.

TO:

E.U. ID

<u>No.</u>	<u>Brief Description</u>
015	MAP (Monoammonium Phosphate) or DAP (Diammonium Phosphate) or Monocal or Dical or Pollyphos® (DFP) Screening & Shipping Facility with particulate matter emissions controlled by a single cyclone in series with a Venturi wet scrubber.

E. Section III, Subsection U, Condition U.10.

FROM:

U.10. Sulfur Dioxide Emissions testing shall comply with the applicable in requirements Rule 62-297.401(6), F.A.C. and be performed annually with frequency base date of 01/19.

White Springs Agricultural Chemicals, Inc.
FINAL Title V Permit Revision No. 0470002-041-AV
Statement of Basis
Page Four

TO:

U.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. 0470002-042-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.

F. Section III, Subsection AA, Condition AA.4.

FROM:

AA.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 08/15.
[Rule 62-296.411(1)(j), F.A.C.; Rule 62-297.401; F.A.C.]

TO:

AA.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; DRAFT 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.

White Springs Agricultural Chemicals, Inc.
FINAL Title V Permit Revision No. 0470002-041-AV
Statement of Basis
Page Five

Several changes are being made due to updates from time of issuance of Final Title V Permit No. 1090022-004-AV:

G. Cover Page.

FROM:

Permitting Authority:
Florida Department of Environmental Protection
Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32056-7590
Telephone: 904-448-4310
Fax: 904-448-4363

TO:

Permitting Authority:
State of 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: 850/488-0144
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

White Springs Agricultural Chemicals, Inc.
FINAL Title V Permit Revision No. 0470002-041-AV
Statement of Basis
Page Six

H. Placard Page

FROM:

Referenced attachments made a part of this permit:

Appendix U-1, List of Unregulated Emissions Units and/or Activities
APPENDIX TV-1, TITLE V CONDITIONS (version dated 12/02/97)

TO:

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)
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

I. Placard Page - Subsection D

Subsection D. Miscellaneous.

The use of 'Permitting Notes' throughout this permit are for informational purposes only and are not permit conditions.

J. Section II. Facility-wide Condition No. 1

FROM:

1. APPENDIX TV-1, TITLE V CONDITIONS is a part of this permit.
APPENDIX TV-1, TITLE V CONDITIONS, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided one copy when requested or otherwise appropriate.

TO:

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.}

K. Section II. Facility-wide Condition No. 4

FROM:

4. Prevention of Accidental Releases (Section 112(r) of CAA). If required by 40 CFR 68, the permittee shall submit to the implementing agency:
a. a risk management plan (RMP) when, and if, such requirement becomes applicable; and
b. certification forms and/or RMPs according to the promulgated rule schedule.
[40 CFR 68]

TO:

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
P.O. Box 1515
Lanham-Seabrook, Maryland 20703-1515
Telephone: 301/429-5018

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]

L. Section II. Facility-wide Condition No. 8

The following Note was added prior to the condition.

{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.}"

M. Section II. Facility-wide Condition Nos. 11 and 12

Have been added:

11. 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.}"

12. 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.

N. Section II. Facility-wide Condition No. 13

The Telephone information has been updated for the Northeast District Office

11. 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

O. Section II. Facility-wide Condition No. 14

Has been corrected to reflect the current address and phone numbers from:

12. Any reports, data, notifications, certification, and requests required to be sent to the United States environmental protection Agency, Region 4, should be sent to the following address:

United States Environmental Protection Agency
Region 4
Air, Pesticides & Toxics Management Division
Operating Permits Section
61 Forsyth Street
Atlanta, Georgia 30303

Telephone: 404/562-9099
Fax: 404/562-9095

White Springs Agricultural Chemicals, Inc.
FINAL Title V Permit Revision No. 0470002-041-AV
Statement of Basis
Page Ten

TO:

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
Telephone: 404/562-9155, Fax: 404/562-9163

P. Section III. Emission Limitations and Standards sections

The following permitting note has been added to each Emission Limitations and Standards Section under each Subsection:

{Permitting note. The averaging time for this condition is based on the run time of the specified test method.}

Q. Compliance Plan

The Compliance Plan has been added to comply with Settlement dated 7/15/04 between the permittee and the Department regarding OGC case 02-0862.

R. Section II has been changed by adding **Condition 6:**

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]

S. Memorandum of Understanding for Sulfuric Acid Plants has been added to PROPOSED Permit 0470002-041-AV.

Table 2-1, Summary of Compliance Requirements

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

FINAL Title V Permit Revision No. 0470002-041-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

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

Title V Air Operation Permit Revision
FINAL Title V Operation Permit Revision No.: 0470002-041-AV

Permitting Authority:

State of 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: 850/488-0144

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

Title V Air Operation Permit Revision
FINAL Title V Operation Permit Revision No.: 0470002-041-AV

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C. Relevant Documents.	
II. Facility-wide Conditions	5
III. Emissions Unit(s) and Conditions	

<u>Sub- sec- tion</u>	<u>E.U. ID No.</u>	<u>Brief Description</u>	<u>Page</u>
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B.	002	“A” Phosphoric Acid Plant	10
C.	003	“A” Pollyphos Plant	12
D.	004	X-Train (Dical process)	14
E.	006	SRM Silos	17
F.	008	“Y” Train (#1 DAP Plant)	19
G.	009	SRM East Rock Dryer	22
H.	010	#1 MAP/DAP/GTSP Storage Building	24
I.	013	SRM Rock Grinder	26
J.	015	MAP/DAP Screen/Ship	28
K.	016	#1 SRCC Phosphate Rock Grinder	30
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M.	019	“C” Phosphoric Acid Plant	34
N.	020	“B” Phosphoric Acid Plant	36
O.	021	“C” Sulfuric Acid Plant	38
P.	022	“D” Sulfuric Acid Plant	40
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R.	034	South Phosphoric Acid Filters	44
S.	035	North Phosphoric Acid Filters	46
T.	036	“A” and “B” Superphosphoric Acid Plants	47
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GG.	067	"F" Sulfuric Acid Plant	71
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Permittee:
White Springs Agricultural
Chemicals, Inc

FINAL Permit Revision No.: 0470002-041-AV
Facility ID No.: 0470002
SIC Nos.: 2874
Project: Title V Air Operation Permit Revision

This permit is for the operation of the Suwannee River/Swift Creek Complex. This permit revision is for the purpose of changing several Specific Condition(s) established in FINAL Title V Air Operation Permit, No. 0470002-033-AV, and based on air construction permitting action, No. 0470002-040-AC, 0470002-042-AC, and 0470002-043-AC. This facility is located on SR 137, E of US 41, N of White Springs, Hamilton County; UTM coordinates: Zone 17, 328.3 km East and 3368.8 km North.

STATEMENT OF BASIS: This Title V Air Operation Permit Revision is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213, and 62-214. 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.

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)
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: May 14, 1999
Revision Effective Date: September 14, 2004
Renewal Application Due Date: November 14, 2003
Expiration Date: May 14, 2004

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).

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

<u>Sub-sec-tion</u>	<u>E.U. ID No.</u>	<u>Brief Description</u>	<u>Page</u>
A.	001	#2 Phosphate Rock Grinder	8
B.	002	“A” Phosphoric Acid Plant	10
C.	003	“A” Pollyphos Plant	12
D.	004	X-Train (Dical process)	14
E.	006	SRM Silos	17
F.	008	“Y” Train (#1 DAP Plant)	19
G.	009	SRM East Rock Dryer	22
H.	010	#1 MAP/DAP/GTSP Storage Building	24
I.	013	SRM Rock Grinder	26
J.	015	MAP/DAP Screen/Ship	28
K.	016	#1 SRCC Phosphate Rock Grinder	30
L.	017	SRM West Rock Dryer	32
M.	019	“C” Phosphoric Acid Plant	34
N.	020	“B” Phosphoric Acid Plant	36
O.	021	“C” Sulfuric Acid Plant	38
P.	022	“D” Sulfuric Acid Plant	40
Q.	032	Z-Train (#2 DAP)	42
R.	034	South Phosphoric Acid Filters	44
S.	035	North Phosphoric Acid Filters	46
T.	036	“A” and “B” Superphosphoric Acid Plants	47
U.	038	“B” Pollyphos Plant	49
V.	039	“C” Auxiliary Boiler	51
W.	040	“D” Auxiliary Boiler	53
X.	041	Dical Acid Prep	55
Y.	042	Pollyphos Feed Prep	57
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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:

{PRIVATE }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

Statement of Basis

These documents are on file with permitting authority:

Initial Title V Permit issued May 14, 1999

Application for a Title V Operation Permit Revision received 02/07/02

Additional Information Request dated 03/01/02

Additional Information Response received 03/20/02

OGC Settlement dated 7/15/04

Subsection D. Miscellaneous.

The use of 'Permitting Notes' throughout this permit are for informational purposes only and are not permit conditions.

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
P.O. Box 1515
Lanham-Seabrook, Maryland 20703-1515
Telephone: 301/429-5018

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 deemed necessary and ordered by the Department.
[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 no later than the compliance deadline, i.e. June 12, 2002. This facility shall also comply with the General Provisions of 40 CFR 63 Subpart A, as applicable.

11. 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.)}

12. 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.

13. 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

14. 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
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

<u>No.</u>	<u>Brief Description</u>
001	#2 Phosphate Rock Grinder with particulate matter emissions controlled by a Bag Collector.

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.; Air Construction Permit No. 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.}

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

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

[FINAL Title V Permit No. 0470002-033-AV]

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 NN.

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

E.U. ID

No.

Brief Description

002 "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.

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% P2O5 input or Maximum Daily 1-Hour Average Rate = 37 tons 100% P2O5 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.}

{Permitting note. The averaging time for condition Nos. B.3 through B.5. are based on the run time of the specified test method.}

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 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.}

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 NN.

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
003	"A" Pollyphos Plant with fluoride and particulate matter emissions are controlled by a Cross-Flow Packed Scrubber (13A).

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.}

{Permitting note. The averaging time for condition Nos. C.4 through C.7. are based on the run time of the specified test method.}

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 NN.

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
004	X-Train (Dical Process) with emissions controlled from EP (Emissions Points) below: <ol style="list-style-type: none">1. X-Train with Venturi and Cyclonic Scrubbers2. Dedust bin with Baghouse3. Shipping area with Baghouse4. Limestone silo with Baghouse5. Reclaim bin with Baghouse.

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.}

{Permitting note. The averaging time for condition Nos. D.4 through D.12. are based on the run time of the specified test method.}

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.]

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.13. 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.14. 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.15. 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.16. 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.17. 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.18. 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.19. 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.20. 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.21. This emissions unit is also subject to the On-Spec Used Oil/Lead conditions in Subsection NN.

Common Conditions - F.A.C. Test Requirements

D.22. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection NN.

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
006	SRM Silos Mineral Storage and Conveyor System with a wet scrubber to control particulate matter emissions.

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

Essential Potential to Emit (PTE) Parameters

E.1. Permitted Capacity. The rate shall not exceed the Maximum 12-MRA Hourly Rate = 600 tons of product or Maximum Daily 1-Hour Average Rate = 660 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. Hours of Operation. The hours of operation for this emissions unit shall not exceed 8760 hours/year.

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

Emission Limitations and Standards

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

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

E.3. Particulate Matter Emissions shall not exceed 48.17 lbs/hr and 210.98 TPY.

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

E.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.}

E.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 04/10.

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

E.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), F.A.C.; Rule 62-297.401; F.A.C.]

Common Conditions - F.A.C. Test Requirements

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

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
008	Y-Train (#1 DAP Plant) with emissions controlled from EP (Emissions Points) below: <ol style="list-style-type: none">1. Modes 1-5, DAP process is controlled by cyclones, venturi and cyclonic scrubbers.2. Mode 3, also includes a ground rock bin with a baghouse.

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

Essential Potential to Emit (PTE) Parameters

F.1. Permitted Capacity. The rate shall not exceed the Maximum 12-MRA Hourly Rate = 60 tons of product or Maximum Daily 1-Hour Average Rate = 66 tons of product. 12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

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

F.2. Methods of Operation are as follows:

Mode 1 - DAP (Diammonium Phosphate) produced by Split Acid (30% & 50% P₂O₅ INPUT) phosphoric acid.

Mode 2 - DAP (Diammonium Phosphate) produced by 40% P₂O₅ INPUT phosphoric acid.

Mode 3 - TSP (Triplesuperphosphate) production.

Mode 4 - MAP (Monoammonium Phosphate) produced by Split Acid (30% & 50% P₂O₅ INPUT) phosphoric acid.

Mode 5 - MAP (Monoammonium Phosphate) produced by 40% P₂O₅ INPUT phosphoric acid.

Process fuels are natural gas or fuel oil with a maximum sulfur content of 1.5%.

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

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

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

Emission Limitations and Standards

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

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

F.4. For EP 1, modes 1-5, Fluoride emissions shall not exceed 4.17 lb/hr and 18.26 TPY.

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

F.5. For EP 1, mode 1 or 2, Particulate Matter Emissions shall not exceed 33.33 lbs/hr and 145.99 TPY.

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

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

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

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

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

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

Test Methods and Procedures

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

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

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

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

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

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

Common Conditions - On-Spec Used Oil/Lead

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

Common Conditions - F.A.C. Test Requirements

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

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

E.U. ID

No.

Brief Description

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

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

Essential Potential to Emit (PTE) Parameters

G.1. Permitted Capacity. The rate shall not exceed the Maximum 12-MRA Hourly Rate = 300 tons of input or Maximum Daily 1-Hour Average Rate = 350 tons of input.
12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

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

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

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

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

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

Emission Limitations and Standards

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

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

G.4. Particulate Matter Emissions shall not exceed 43.11 lbs/hr and 188.85 TPY.

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

G.5. Sulfur Dioxide Emissions shall not exceed 28.65 lbs/hr and 125.50 TPY.

[1982 PSD application Table 1]

G.6. Visible Emissions shall not be equal to or greater than 20% opacity.

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

Test Methods and Procedures

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

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

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

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

Common Conditions - On-Spec Used Oil/Lead

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

Common Conditions - F.A.C. Test Requirements

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

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

E.U. ID

No.

Brief Description

010

SR #1 Storage & Shipping which operates as follows:

Mode 1. When ship Monocal or Dical or Pollyphos® or DAP (Diammonium Phosphate) or MAP (Monoammonium Phosphate), particulate matter emissions are controlled by a Buffalo wet scrubber.

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 = 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 No. 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.}

{Permitting note. The averaging time for condition Nos. H.3 through H.5. are based on the run time of the specified test method.}

H.3. Particulate Matter Emissions shall not exceed 36.17 lbs/hr and 158.42 TPY.

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

H.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.}

H.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.]

H.6. Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 09/01. [Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C.]

Common Conditions - F.A.C. Test Requirements

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

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
013	SRM Rock Grinder with bag collector to control particulate matter emissions.

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

Essential Potential to Emit (PTE) Parameters

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

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

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

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

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

Emission Limitations and Standards

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

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

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

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

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

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

Test Methods and Procedures

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

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

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

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

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

Common Conditions - F.A.C. Test Requirements

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

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
015	MAP (Monoammonium Phosphate) or DAP (Diammonium Phosphate) or Monocal or Dical or Pollyphos® (DFP) Screening & Shipping Facility with particulate matter emissions controlled by a single cyclone in series with a Venturi wet scrubber.

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

Essential Potential to Emit (PTE) Parameters

J.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

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.}

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

J.3. Particulate Matter Emissions shall not exceed 40.41 lbs/hr and 177.00 TPY.

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

J.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.}

J.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.]

J.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

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

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
016	#1 SRCC Phosphate Rock Grinder with bag collector to control particulate matter emissions.

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

Essential Potential to Emit (PTE) Parameters

K.1. Permitted Capacity. The rate shall not exceed the Maximum 12-MRA Hourly Rate = 110 tons of input or Maximum Daily 1-Hour Average Rate = 125 tons of input.

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

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

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

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

Emission Limitations and Standards

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

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

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

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

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

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

Test Methods and Procedures

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

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

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

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

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

Common Conditions - F.A.C. Test Requirements

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

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

E.U. ID

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

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

Essential Potential to Emit (PTE) Parameters

L.1. Permitted Capacity. The rate shall not exceed the Maximum 12-MRA Hourly Rate = 300 tons of input or Maximum Daily 1-Hour Average Rate = 330 tons of input. 12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

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

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

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

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

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

Emission Limitations and Standards

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

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

L.4. Particulate Matter Emissions shall not exceed 43.11 lbs/hr and 188.85 TPY.

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

L.5. Sulfur Dioxide Emissions shall not exceed 28.65 lbs/hr and 125.50 TPY.

[1982 PSD application Table 1]

L.6. Visible Emissions shall not be equal to or greater than 20% opacity.

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

Test Methods and Procedures

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

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

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

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

Common Conditions - On-Spec Used Oil/Lead

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

Common Conditions - F.A.C. Test Requirements

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

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
019	"C" Phosphoric Acid Plant with fluoride and particulate matter emissions are controlled by a packed wet scrubber (F-4).

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 = 23.67 tons of 100% P2O5 input or Maximum Daily 1-Hour Average Rate = 27 tons 100% P2O5 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.}

{Permitting note. The averaging time for condition Nos. M.3 through M.5. are based on the run time of the specified test method.}

M.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]

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

[PSD model allocation]

M.5. 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.}

M.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.]

M.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 06/18/95.

[Rule 62-296.320(4)(a), F.A.C.; Rule 62-297.401; F.A.C., Admin Correction No. 0470002-035-AV]

M.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

M.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.

M.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

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

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

E.U. ID

No.

Brief Description

020 "B" Phosphoric Acid Plant with fluoride and particulate matter emissions are controlled by a packed wet scrubber.

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 = 74.99 tons of 100% P2O5 input or Maximum Daily 1-Hour Average Rate = 83 tons 100% P2O5 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.}

{Permitting note. The averaging time for condition Nos. N.3 through N.5. are based on the run time of the specified test method.}

N.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]

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

[PSD model allocation]

N.5. 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.}

N.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.]

N.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.]

N.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

N.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.

N.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

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

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
021	"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).

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

Essential Potential to Emit (PTE) Parameters

O.1. Permitted Capacity. The production rate shall not exceed 2300 TPD of 100% H₂SO₄ or 95.83 TPH.

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

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.}

{Permitting note. The averaging time for condition Nos. O.3 through O.5. are based on the run time of the specified test method.}

O.3. Sulfur Dioxide Emissions shall not exceed 4 lbs/ton of 100% H₂SO₄, 383.33 lbs/hr and 1679.00 TPY.

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

O.4. Sulfuric acid mist (SAM).Emissions shall not exceed 0.15 lb/ton of 100% H₂SO₄, 14.38 lbs/hr and 63.00 TPY.

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

O.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.}

O.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.]

O.7. Sulfuric acid mist (SAM). 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.]

O.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

O.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

O.10. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection NN.

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

E.U. ID

No.

Brief Description

022 "D" Sulfuric Acid Plant is a double absorption process that produces sulfuric acid and controls sulfur dioxide (SO₂) emissions and has a Brinks mist eliminator to control sulfuric acid mist (SAM).

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

Essential Potential to Emit (PTE) Parameters

P.1. Permitted Capacity. The production rate shall not exceed 2300 TPD of 100% H₂SO₄ or 95.83 TPH.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

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

Emission Limitations and Standards

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

{Permitting note. The averaging time for condition Nos. P.3 through P.5. are based on the run time of the specified test method.}

P.3. Sulfur Dioxide Emissions shall not exceed 4 lbs/ton of 100% H₂SO₄, 383.33 lbs/hr and 1679.00 TPY.
[Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.82]

P.4. Sulfuric acid mist (SAM).Emissions shall not exceed 0.15 lb/ton of 100% H₂SO₄, 14.38 lbs/hr and 63.00 TPY.
[Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.83]

P.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.}

P.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.]

P.7. Sulfuric acid mist (SAM). 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.]

P.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

P.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

P.10. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection NN.

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
032	Z-Train (#2 DAP [Diammonium Phosphate] Plant) with Emissions Points (EP) below: EP (TG) - main part of DAP process controlled by several cyclones followed by several cyclonic and venturi scrubbers. EP (C) - Cooler controlled by a cyclone and a venturi scrubber.

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

Essential Potential to Emit (PTE) Parameters

Q.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]

Q.2. Methods of Operation are as follows:

Mode 1 - DAP (Diammonium Phosphate) produced by Split Acid (30% & 50% P₂O₅ input) phosphoric acid.

Mode 2 - MAP (Monoammonium Phosphate) produced by Split Acid (30% & 50% P₂O₅ input) phosphoric acid.

Mode 3 - DAP (Diammonium Phosphate) produced by 40% P₂O₅ input phosphoric acid.

Mode 4 - MAP (Monoammonium Phosphate) produced by 40% P₂O₅ 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.]

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.}

{Permitting note. The averaging time for condition Nos. Q.4 through Q.8. are based on the run time of the specified test method.}

Q.4. From EP (TG), modes 1-4: Fluoride emissions shall not exceed 0.06 lb FL per ton P₂O₅ input; 2.18 lbs/hr and 9.50 TPY.

[Rule 62-204.800(7)27., F.A.C.; 40 CFR 60.222]

Q.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.]

Q.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]

Q.7. From EP (TG), modes 1-4: Visible Emissions shall not be equal to or greater than 20% opacity.

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

Q.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.}

Q.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.]

Q.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.]

Q.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.

Q.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.]

Q.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

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

Common Conditions - F.A.C. Test Requirements

Q.15. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection NN.

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
034	South Phosphoric Acid Filters with fluoride emissions controlled by a counter-current packed wet scrubber (D). Also, "A" & "B" Superphosphoric Acid (SPA) Plants and storage tanks are controlled by this scrubber. Filter Aid and Filter Media with particulate matter emissions are controlled by a common bag collector (EF).

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

Essential Potential to Emit (PTE) Parameters

R.1. Permitted Capacity. The rate shall not exceed the Maximum 12-MRA Hourly Rate = 44.68 tons of P2O5 input or Maximum Daily 1-Hour Average Rate = 50 tons P2O5 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]

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

Emission Limitations and Standards

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}
{Permitting note. The averaging time for condition Nos. R.3. and R.4. are based on the run time of the specified test method.}

R.3. From stack (D), Fluoride emissions shall not exceed 0.05 lb FL per ton P2O5 INPUT; 2.23 lbs/hr and 9.80 TPY.
[Rule 62-210.200(42), F.A.C.; BACT]

R.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.}

R.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.]

R.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

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

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
035	North Phosphoric Acid Filters and storage tanks with fluoride emissions controlled by a counter-current packed wet scrubber (B).

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 = 92.8 tons of P2O5 input or Maximum Daily 1-Hour Average Rate = 102.1 tons P2O5 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. Hours of Operation. The hours of operation for this emissions unit shall not exceed 8760 hours/year.

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

Emission Limitations and Standards

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

{Permitting note. The averaging time for this condition is based on the run time of the specified test method.}

S.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.}

S.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

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

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
036	"A" & "B" Superphosphoric Acid (SPA) Plants with fluoride emissions ducted to the South Phosphoric Acid Filters counter-current packed wet scrubber.

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

Essential Potential to Emit (PTE) Parameters

T.1. Permitted Capacity. The rate shall not exceed:
"A" SPA - the Maximum 12-MRA Hourly Rate = 42.1 tons of 100% P₂O₅ input or Maximum Daily 1-Hour Average Rate = 46.4 tons of 100% P₂O₅ input.
"B" SPA - the Maximum 12-MRA Hourly Rate = 42.1 tons of 100% P₂O₅ input or Maximum Daily 1-Hour Average Rate = 46.4 tons of 100% P₂O₅ 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]

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.}
{Permitting note. The averaging time for this condition is based on the run time of the specified test method.}

T.3. At the sample port, fluoride emissions from both A & B SPA units combined shall not exceed 0.01 lb FL per ton P₂O₅ 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.}

T.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

T.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.

T.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

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

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

E.U. ID

No.

Brief Description

038 "B" Pollyphos Plant with fluoride and particulate matter emissions are controlled by a Cross-Flow Packed Scrubber (13B).

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 = 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]

U.2. Methods of Operation are as follows:

Fuel fired is natural gas.

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

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

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

Emission Limitations and Standards

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

{Permitting note. The averaging time for condition Nos. U.4. through U.7. are based on the run time of the specified test method.}

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

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

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

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

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

[Permit AC24-255802]

U.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.}

U.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.]

U.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.]

U.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. 0470002-042-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.

U.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

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

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

E.U. ID

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

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

Essential Potential to Emit (PTE) Parameters

V.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.]

V.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.]

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

Emission Limitations and Standards

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

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

From firing fuel oil:

V.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]

V.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]

V.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.}

V.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.]

V.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

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

Common Conditions - F.A.C. Test Requirements

V.10. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection NN.

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

E.U. ID

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

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

Essential Potential to Emit (PTE) Parameters

W.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.]

W.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.]

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

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

Emission Limitations and Standards

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

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

From firing fuel oil:

W.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]

W.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]

W.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.}

W.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.]

W.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

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

Common Conditions - F.A.C. Test Requirements

W.10. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection NN.

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

E.U. ID

No.

Brief Description

041 Dical Acid Prep Unit emissions are from the Emissions Points (EP) below:
EP 1 - the preparation of phosphoric acid for dical production with fluoride and particulate matter emissions controlled by a spray, cross-flow, packed wet scrubber.
EP 2 - diatomaceous earth silo particulate matter emissions controlled by a baghouse.

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

Essential Potential to Emit (PTE) Parameters

X.1. Permitted Capacity. The rate shall not exceed the Maximum 12-MRA Hourly Rate = 35.6 tons 100% P2O5 input or Maximum Daily 1-Hour Average Rate = 40 tons 100% P2O5 input. 12-MRA (MRA - Monthly Rolling Average) Hourly Rate Maximum shall not be exceeded by the 12-MRA hourly rate calculated by averaging each monthly hourly average with the previous 11 monthly hourly averages.

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

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

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

Emission Limitations and Standards

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

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

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

[Construction application information received 11-13-80]

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

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

Test Methods and Procedures

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

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

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

X.6. From EP 2, Visible Emissions test method shall be EPA Method 9 incorporated and adopted by reference in Chapter 62-297, F.A.C. and be performed annually with a frequency base date of 01/24. [Rule 62-297.401; F.A.C.]

Common Conditions - F.A.C. Test Requirements

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

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
042	Pollyphos Feed Prep with particulate matter emissions controlled from EP (Emissions Points) below: EP 11 - Dryer wet scrubber EP 10 - Baghouse EP 9 - Rock bin Baghouse EP L1 - Limestone silo Baghouse EP L2 - Limestone surge bin Baghouse EP SA1 - Soda ash silo Baghouse EP SA2 - Soda ash bin Baghouse

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 = 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]

Y.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.]

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

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

Emission Limitations and Standards

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

{Permitting note. The averaging time for condition Nos. Y.4. through Y.12. are based on the run time of the specified test method.}

Y.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.]

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

[Used in a SO₂ model]

Y.6. From EP 11, Visible Emissions shall not be equal to or greater than 20% opacity.

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

Y.7. From EP 10, Visible Emissions shall not exceed 5% opacity.
[Rule 62-297.620(4), F.A.C.]

Y.8. From EP 9, Visible Emissions shall not exceed 5% opacity.
[Rule 62-297.620(4), F.A.C.]

Y.9. From EP L1, Visible Emissions shall not exceed 5% opacity.
[Rule 62-297.620(4), F.A.C.]

Y.10. From EP L2, Visible Emissions shall not exceed 5% opacity.
[Rule 62-297.620(4), F.A.C.]

Y.11. From EP SA1, Visible Emissions shall not exceed 5% opacity.
[Rule 62-297.620(4), F.A.C.]

Y.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.}

Y.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.]

Y.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.

Y.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.]

Y.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.]

Y.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.]

Y.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.]

Y.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.]

Y.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.]

Y.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

Y.22. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection NN.

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
044	"A" & "B" Pollyphos Coolers with particulate matter emissions from each controlled by a cyclonic wet scrubber that exhaust through a common stack (EP 12).

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

Essential Potential to Emit (PTE) Parameters

Z.1. Permitted Capacity. The rate for each Pollyphos 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]

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.}

{Permitting note. The averaging time for condition Nos. Z.3 through Z.5. are based on the run time of the specified test method.}

Z.3. Fluoride emissions shall not exceed 1.42 lbs/hr and 5.96 TPY.

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

Z.4. Particulate Matter Emissions shall not exceed 25.04 lbs/hr and 105.17 TPY.

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

Z.5. 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.}

Z.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.]

Z.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.]

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 11/29.

[Rule 62-296.320(4)(b), F.A.C.; Rule 62-297.401; F.A.C., Admin. Correction No. 0470002-035-AV]

Common Conditions - F.A.C. Test Requirements

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

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
054	Molten Sulfur System for "C" & "D" Sulfuric Acid Plants consisting of a -rail & truck unloading system with transfer point venting -receiving pit -supply pit -storage tank.

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

Essential Potential to Emit (PTE) Parameters

AA.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]

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.}

{Permitting note. The averaging time for this condition is based on the run time of the specified test method.}

AA.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.}

AA.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; DRAFT Title V Permit Revision No. 0470002-041-AV]

Common Conditions - F.A.C. Test Requirements

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

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
061	Green Superphosphoric Acid (SPA) Plant with fluoride emissions controlled by a cross-flow packed wet scrubber. This process changes the color of hot SPA from black to green using an oxidant.

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

Essential Potential to Emit (PTE) Parameters

BB.1. Permitted Capacity. The rate shall not exceed the Maximum 12-MRA Hourly Rate = 25.2 tons of 100% P₂O₅ input or Maximum Daily 1-Hour Average Rate = 27.7 tons of 100% P₂O₅ 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]

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

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

Emission Limitations and Standards

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

{Permitting note. The averaging time for this condition is based on the run time of the specified test method.}

BB.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.}

BB.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

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

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
062	Pollyphos Product Prep with particulate matter emissions from Emissions Points (EP) below: EP 14 - Product sizing & crushing with baghouse EP 16 - Product storage silos & shipping with baghouse

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

Essential Potential to Emit (PTE) Parameters

CC.1. Hours of Operation. The hours of operation for this emissions unit shall not exceed 8760 hours/year.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

Emission Limitations and Standards

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

{Permitting note. The averaging time for condition Nos. CC.2. and CC.3. are based on the run time of the specified test method.}

CC.2. From EP 14, Visible Emissions shall not exceed 5% opacity.
[Rule 62-297.620(4), F.A.C.]

CC.3. From EP 16, 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.}

CC.4. 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 be performed annually with a frequency base date of 01/21.
[Rule 62-297.401; F.A.C.]

CC.5. 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 be performed annually with a frequency base date of 01/21.
[Rule 62-297.401; F.A.C.]

Common Conditions - F.A.C. Test Requirements

CC.6. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection NN.

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
064	SCM Rock Dryer is a phosphate rock dryer, fluid bed exhausting through a two-stage wet cyclonic scrubber to control particulate matter emissions.

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

Essential Potential to Emit (PTE) Parameters

DD.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]

DD.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.]

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

Emission Limitations and Standards

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}
{Permitting note. The averaging time for condition Nos. DD.4 through DD.6. are based on the run time of the specified test method.}

DD.4. Particulate Matter Emissions shall not exceed 46.40 lbs/hr and 203.23 TPY.
[Rule 62-296.320(4)(a), F.A.C.]

DD.5. Sulfur Dioxide Emissions shall not exceed 38.10 lbs/hr and 166.88 TPY.
[Used in 02/81 model]

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

Test Methods and Procedures

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

DD.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.]

DD.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.

DD.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

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

Common Conditions - F.A.C. Test Requirements

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

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
065	SCM Silos Mineral Storage and Conveyor System with a wet scrubber to control particulate matter emissions.

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

Essential Potential to Emit (PTE) Parameters

EE.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]

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.}

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

EE.3. Particulate Matter Emissions shall not exceed 46.40 lbs/hr and 203.20 TPY.

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

EE.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.}

EE.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.]

EE.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

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

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
066	"E" 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).

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

Essential Potential to Emit (PTE) Parameters

FF.1. Permitted Capacity. The production rate shall not exceed 2500 TPD of 100% H₂SO₄ or 104.20 TPH.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

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.}

{Permitting note. The averaging time for condition Nos. FF.3. through Ff.5. are based on the run time of the specified test method.}

FF.3. Sulfur Dioxide Emissions shall not exceed 4 lbs/ton of 100% H₂SO₄, 416.67 lbs/hr and 1820.00 TPY.
[Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.82]

FF.4. Sulfuric Acid Mist (SAM) Emissions shall not exceed 0.15 lb/ton of 100% H₂SO₄, 15.62 lbs/hr and 68.20 TPY.
[Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.83]

FF.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.}

FF.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.]

FF.7. Sulfuric acid mist (SAM). 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.]

FF.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

FF.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

FF.10. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection NN.

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
067	"F" 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).

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

Essential Potential to Emit (PTE) Parameters

GG.1. Permitted Capacity. The production rate shall not exceed 2500 TPD of 100% H₂SO₄ or 104.20 TPH.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

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

Emission Limitations and Standards

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

{Permitting note. The averaging time for condition Nos. GG.3. through GG.5. are based on the run time of the specified test method.}

GG.3. Sulfur Dioxide Emissions shall not exceed 4 lbs/ton of 100% H₂SO₄, 416.67 lbs/hr and 1820.00 TPY.
[Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.82]

GG.4. Sulfuric Acid Mist (SAM) Emissions shall not exceed 0.15 lb/ton of 100% H₂SO₄, 15.62 lbs/hr and 68.20 TPY.
[Rule 62-204.800(7)(b)10., F.A.C.; 40 CFR 60.83]

GG.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.}

GG.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.]

GG.7. Sulfuric acid mist (SAM). 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.]

GG.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

GG.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

GG.10. This emissions unit is also subject to applicable F.A.C. Test Requirements in Subsection NN.

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
068	"E" Auxiliary Boiler

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

Essential Potential to Emit (PTE) Parameters

HH.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.]

HH.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.]

HH.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.}

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

From firing fuel oil:

HH.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]

HH.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]

HH.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.}

HH.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.

HH.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

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

Common Conditions - F.A.C. Test Requirements

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

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

E.U. ID

No.

Brief Description

069 "D" Phosphoric Acid Plant with fluoride and particulate matter emissions controlled by a wet scrubber.

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

Essential Potential to Emit (PTE) Parameters

II.1. Permitted Capacity. The rate shall not exceed the Maximum 12-MRA Hourly Rate = 85.22 tons of 100% P₂O₅ input (from 274.92 TPH of 31% phosphate rock) or Maximum Daily 1-Hour Average Rate = 95 tons 100% P₂O₅ 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]

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

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

Emission Limitations and Standards

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

{Permitting note. The averaging time for condition Nos. II.3. through II.5. are based on the run time of the specified test method.}

II.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]

II.4. Particulate Matter Emissions shall not exceed 42.52 lbs/hr and 185.73 TPY.

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

II.5. 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.}

II.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.]

II.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.]

II.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

II.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.

II.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

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

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

E.U. ID

No.
070

Brief Description

“C” & “D” Superphosphoric Acid (SPA) Plants and east & west phosphoric acid storage tanks with fluoride emissions are controlled by a scrubber.

Since the Synspar Plant has no air emissions, the lime rock (LR) bin associated with it is included here for recordkeeping purposes. The particulate matter emissions from this bin are controlled by a bag collector.

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

Essential Potential to Emit (PTE) Parameters

JJ.1. Permitted Capacity. The combined rate shall not exceed the Maximum 12-MRA Hourly Rate = 84.2 tons of 100% P2O5 input or Maximum Daily 1-Hour Average Rate = 95 tons of 100% P2O5 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]

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

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

Emission Limitations and Standards

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

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

JJ.3. From stack, Fluoride emissions shall not exceed 0.01 lb FL per ton P2O5 input; 0.84 lbs/hr and 3.69 TPY.

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

JJ.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.}

JJ.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.]

JJ.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

JJ.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.

JJ.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

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

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

E.U. ID

No.

Brief Description

071 Acid Clarification Plant with fluoride emissions controlled by a wet scrubber.

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

Essential Potential to Emit (PTE) Parameters

KK.1. Permitted Capacity. The rate shall not exceed the Maximum 12-MRA Hourly Rate = 90.18 tons of 100% P2O5 input or Maximum Daily 1-Hour Average Rate = 100 tons 100% P2O5 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]

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

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

Emission Limitations and Standards

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

{Permitting note. The averaging time for this condition is based on the run time of the specified test method.}

KK.3. Fluoride emissions shall not exceed (0.05 lb FL per ton P2O5 input)¹; 4.51 lbs/hr and 19.75 TPY.

[Rule 62-210.200(42), F.A.C.; (¹BACT 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.}

KK.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

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

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

E.U. ID

<u>No.</u>	<u>Brief Description</u>
072	Molten Sulfur System for "E" & "F" Sulfuric Acid Plants consisting of a rail & truck unloading system with Emissions Points (EP) below: RP - receiving pit FP - feed pit S1 - storage tanks vents (1-7) S2 - storage tanks vents (1-7)

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

Essential Potential to Emit (PTE) Parameters

LL.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]

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

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

Emission Limitations and Standards

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

{Permitting note. The averaging time for this condition is based on the run time of the specified test method.}

LL.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.}

LL.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

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

Subsection [MM]. Common Conditions - On-Spec Used Oil/Lead

<u>E.U. ID</u>	<u>Sub-</u>	<u>Brief Description</u>
<u>No.</u>	<u>section</u>	
039	V	'C' Auxiliary Boiler
040	W	'D' Auxiliary Boiler
068	HH	'E' Auxiliary Boiler
009	G	SRM East Rock Dryer
017	L	SRM West Rock Dryer
064	DD	SCM Rock Dryer
004	D	X-Train
008	F	Y-Train
032	Q	Z-Train

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

MM. 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]

MM.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{SYMBOL 176 \f "Symbol"}F minimum

[40 CFR 761]

MM.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]

MM.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.]

MM.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 [NN]. Common Conditions - F.A.C. Test Requirements

<u>Sub- sec- tion</u>	<u>E.U. ID No.</u>	<u>Brief Description</u>	<u>Page</u>
A.	001	#2 Phosphate Rock Grinder	7
B.	002	“A” Phosphoric Acid Plant	8
C.	003	“A” Pollyphos Plant	10
D.	004	X-Train (Dical process)	12
E.	006	SRM Silos	15
F.	008	“Y” Train (#1 DAP Plant)	16
G.	009	SRM East Rock Dryer	18
H.	010	#1 MAP/DAP/GTSP Storage Building	20
I.	013	SRM Rock Grinder	22
J.	015	MAP/DAP Screen/Ship	23
K.	016	#1 SRCC Phosphate Rock Grinder	24
L.	017	SRM West Rock Dryer	25
M.	019	“C” Phosphoric Acid Plant	27
N.	020	“B” Phosphoric Acid Plant	29
O.	021	“C” Sulfuric Acid Plant	31
P.	022	“D” Sulfuric Acid Plant	33
Q.	032	Z-Train (#2 DAP)	35
R.	034	South Phosphoric Acid Filters	37
S.	035	North Phosphoric Acid Filters	38
T.	036	“A” and “B” Superphosphoric Acid Plants	39
U.	038	“B” Pollyphos Plant	41
V.	039	“C” Auxiliary Boiler	43
W.	040	“D” Auxiliary Boiler	45
X.	041	Dical Acid Prep	47
Y.	042	Pollyphos Feed Prep	48
Z.	044	“A” and “B” Pollyphos Coolers	51
AA.	054	Molten Sulfur System	53
BB.	061	Green Superphosphoric Plant	54
CC.	062	Pollyphos Silos	55
DD.	064	SCM Rock Dryer	56
EE.	065	SCM Silos	58
FF.	066	“E” Sulfuric Acid Plant	59
GG.	067	“F” Sulfuric Acid Plant	61
HH.	068	“E” Auxiliary Boiler	63
II.	069	“D” Phosphoric Acid Plant	65
JJ.	070	“C” and “D” Superphosphoric Acid Plants	67
KK.	071	Acid Clarification plant	69
LL.	072	Molten Sulfur System	70

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

{Permitting Note: The following conditions are placed here as a convenience and to avoid duplication. See specific conditions in Subsections A through LL 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" max of at least three readings .004"
Dry Gas Meter and Orifice Meter	1. Full Scale: When received, When 5% change observed, Annually	Spirometer or calibrated wet test or dry gas test meter	2%
	2. One Point: Semiannually		
	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 may 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.

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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.

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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 SO₂ 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 SO₂ 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 SO₂ 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 SO₂ at a level less than normal, and sufficiently low to promote catalytic conversion to SO₃.
 - 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 H₂SO₄.

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 H₂SO₄.

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Appendix H-1: Permit History

White Springs Agricultural Chemicals, Inc.

FINAL Title V Operation Permit Revision No.: 0470002-041-AV
Facility ID No.: 0470002

E.U. ID No.	Description	Permit No.	Effective Date	Expiration Date	Project Type
All EUs	Suwannee River/Swift Creek Complex (two plants).	0470002-033-AV	May 14, 1999	May 14, 2004	Initial
-003, 019, 021, 022, 044, 066, 067	Phollyphos® Reactor A C Phosphoric Acid Plant C Sulfuric Acid Plant D Sulfuric Acid Plant A & B Phollyphos® Coolers E Sulfuric Acid Plant F Sulfuric Acid Plant	0470002-035-AV	July 14, 1999		Administrative Correction
-003, 038	Phollyphos® Reactors A & B	0470002-040-AC ¹			Simultaneous Modification
-015	Screening and Shipping Facility	0470002-042-AC ²			Simultaneous Modification
-010	No. 1 Storage and Shipping	0470002-043-AC ³			Simultaneous Modification
All EUs	Suwannee River/Swift Creek Complex (two plants).	0470002-041-AV			Simultaneous Permit Revision

¹ Simultaneous processing of a construction permit modification for previously issued Permit No. AC24-255802.

² Simultaneous processing of a construction permit modification for previously issued Permit No. 0470002-023-AO/AO24-181433.

³ Simultaneous processing of a construction permit modification for previously issued Permit No. 0470002-014-AO/AO24-170308.

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Number of Characters: 1,232 (approx.)

STATEMENT OF BASIS

White Springs Agricultural Chemicals, Inc.

Facility ID No.: 0470002
Hamilton County

Title V Air Operation Permit Revision
FINAL Title V Air Operation Permit Revision No.: 0470002-041-AV

The initial Title V Air Operation Permit, No. 0470002-033-AV, was issued/effective on May 14, 1999. This Title V Air Operation Permit Revision 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 revision is to 1) modify the current, permitted compliance testing requirement for Emission Unit Nos. 003 and 038 (Pollyphos® Reactors A & B) from an annual basis to a 5-year basis instead, 2) to modify the current permitted materials processed, stored, and shipped at Emission unit No. 015 (Screening and Shipping Facility) to include Monocal, Dical, and Pollyphos®, 3) to modify the current, permitted materials processed, stored, and shipped at Emission unit No. 010 (No. 1 Storage Building) to include Monocal, Dical, and Pollyphos®, and 4) to incorporate the provisions of 40 CFR 63 Subparts AA and BB, National Emissions Standards for Hazardous Air Pollutants Phosphoric Acid Manufacturing and Phosphate Fertilizers Production.

Several Specific Condition(s) established in Title V Air Operation Permit, No. 0470002-033-AV, and based on an AC permitting action, Nos. 0470002-040-AC, 0470002-042-AC, and 0470002-043-AC are changed as follows:

A. Section II. Facility-wide Condition No. 10

The following condition has been added:

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 no later than the compliance deadline, i.e. June 12, 2002. This facility shall also comply with the General Provisions of 40 CFR 63 Subpart A, as applicable.

B. Section III, Subsection C, Condition No. C.10.

FROM:

C.10. Sulfur Dioxide Emissions stack test method shall be EPA Method 6 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 62-297.401(6), F.A.C.]

TO:

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. Section III, Subsection H, Description

FROM:

E.U. ID

No.
010

Brief Description

SR #1 Storage & Shipping which operates as follows:

Mode 1. When ship DAP (Diammonium Phosphate) or MAP (Monoammonium Phosphate), particulate matter emissions are controlled by a Buffalo wet scrubber.

Mode 2. When ship GTSP (Granular Triple Superphosphate), particulate matter and fluoride emissions are controlled by a Buffalo wet scrubber.

Mode 3. When store GTSP, particulate matter and fluoride emissions are controlled by a Zurn wet scrubber.

TO:

E.U. ID

<u>No.</u>	<u>Brief Description</u>
010	SR #1 Storage & Shipping which operates as follows: Mode 1. When ship Monocal or Dical or Pollyphos® or DAP (Diammonium Phosphate) or MAP (Monoammonium Phosphate), particulate matter emissions are controlled by a Buffalo wet scrubber. Mode 2. When ship GTSP (Granular Triple Superphosphate), particulate matter and fluoride emissions are controlled by a Buffalo wet scrubber. Mode 3. When store GTSP, particulate matter and fluoride emissions are controlled by a Zurn wet scrubber.

D. Section III, Subsection J, Description

FROM:

E.U. ID

<u>No.</u>	<u>Brief Description</u>
015	MAP (Monoammonium Phosphate) or DAP (Diammonium Phosphate) Screening & Shipping Facility with particulate matter emissions controlled by a single cyclone in series with a Venturi wet scrubber.

TO:

E.U. ID

<u>No.</u>	<u>Brief Description</u>
015	MAP (Monoammonium Phosphate) or DAP (Diammonium Phosphate) or Monocal or Dical or Pollyphos® (DFP) Screening & Shipping Facility with particulate matter emissions controlled by a single cyclone in series with a Venturi wet scrubber.

E. Section III, Subsection U, Condition U.10.

FROM:

U.10. Sulfur Dioxide Emissions testing shall comply with the applicable in requirements Rule 62-297.401(6), F.A.C. and be performed annually with frequency base date of 01/19.

TO:

U.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. 0470002-042-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.

F. Section III, Subsection AA, Condition AA.4.

FROM:

AA.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 08/15. [Rule 62-296.411(1)(j), F.A.C.; Rule 62-297.401; F.A.C.]

TO:

AA.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; DRAFT 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.

White Springs Agricultural Chemicals, Inc.
FINAL Title V Permit Revision No. 0470002-041-AV
Statement of Basis
Page Five

Several changes are being made due to updates from time of issuance of Final Title V Permit No. 1090022-004-AV:

G. Cover Page.

FROM:

Permitting Authority:
Florida Department of Environmental Protection
Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32056-7590
Telephone: 904-448-4310
Fax: 904-448-4363

TO:

Permitting Authority:
State of 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: 850/488-0144
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

White Springs Agricultural Chemicals, Inc.
FINAL Title V Permit Revision No. 0470002-041-AV
Statement of Basis
Page Six

H. Placard Page

FROM:

Referenced attachments made a part of this permit:

Appendix U-1, List of Unregulated Emissions Units and/or Activities
APPENDIX TV-1, TITLE V CONDITIONS (version dated 12/02/97)

TO:

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)
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

I. Placard Page - Subsection D

Subsection D. Miscellaneous.

The use of 'Permitting Notes' throughout this permit are for informational purposes only and are not permit conditions.

J. Section II. Facility-wide Condition No. 1

FROM:

1. APPENDIX TV-1, TITLE V CONDITIONS is a part of this permit.
APPENDIX TV-1, TITLE V CONDITIONS, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided one copy when requested or otherwise appropriate.

TO:

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.}

K. Section II. Facility-wide Condition No. 4

FROM:

4. Prevention of Accidental Releases (Section 112(r) of CAA). If required by 40 CFR 68, the permittee shall submit to the implementing agency:
a. a risk management plan (RMP) when, and if, such requirement becomes applicable; and
b. certification forms and/or RMPs according to the promulgated rule schedule.
[40 CFR 68]

TO:

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
P.O. Box 1515
Lanham-Seabrook, Maryland 20703-1515
Telephone: 301/429-5018

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]

L. Section II. Facility-wide Condition No. 8

The following Note was added prior to the condition.

{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.)}

M. Section II. Facility-wide Condition Nos. 11 and 12

Have been added:

11. 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.)}

12. 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.

N. Section II. Facility-wide Condition No. 13

The Telephone information has been updated for the Northeast District Office

11. 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

O. Section II. Facility-wide Condition No. 14

Has been corrected to reflect the current address and phone numbers from:

12. Any reports, data, notifications, certification, and requests required to be sent to the United States environmental protection Agency, Region 4, should be sent to the following address:

United States Environmental Protection Agency
Region 4
Air, Pesticides & Toxics Management Division
Operating Permits Section
61 Forsyth Street
Atlanta, Georgia 30303

Telephone: 404/562-9099
Fax: 404/562-9095

TO:

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

Telephone: 404/562-9155, Fax: 404/562-9163

P. Section III. Emission Limitations and Standards sections

The following permitting note has been added to each Emission Limitations and Standards Section under each Subsection:

{Permitting note. The averaging time for this condition is based on the run time of the specified test method.}

Q. Compliance Plan

The Compliance Plan has been added to comply with Settlement dated 7/15/04 between the permittee and the Department regarding OGC case 02-0862.

R. Section II has been changed by adding **Condition 6**:

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]

S. Memorandum of Understanding for Sulfuric Acid Plants has been added to PROPOSED Permit 0470002-041-AV.

Filename: 0470002-041sobfinal.doc
Directory: C:\DOCUME~1\friday_b\LOCALS~1\Temp
Template: C:\Documents and Settings\friday_b\Application
Data\Microsoft\Templates\Normal.dot
Title: STATEMENT OF BASIS
Subject:
Author: Robert Bull
Keywords:
Comments:
Creation Date: 10/1/2004 9:40 AM
Change Number: 2
Last Saved On: 10/1/2004 9:40 AM
Last Saved By: Barbara Friday
Total Editing Time: 0 Minutes
Last Printed On: 10/1/2004 11:03 AM
As of Last Complete Printing
Number of Pages: 10
Number of Words: 2,309 (approx.)
Number of Characters: 13,163 (approx.)

Appendix U-1, List of Unregulated Emissions Units and/or Activities.

White Springs Agricultural Chemicals, Inc.	FINAL Title V Permit Revision No.: 0470002-041-AV
Suwannee River/Swift Creek Complex	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’.

- vehicle traffic on paved and unpaved roads,
- wind erosion from stockpiles,
- acid storage tanks,
- fuel storage tanks,
- maintenance activities (including maintenance painting, parts cleaning, welding),
- settling pond limiting activities and other wastewater treatment activities,
- carpentry and wood shop activities,
- sand and media blasting for maintenance painting,
- emergency generators - (fuel fired < limits in Rule 62-210.300(3)(a)20., F.A.C.,
- railcar traffic,
- dust suppressant storage and handling, fugitive emissions from other emissions units.

Filename: 0470002-041u-1final.doc
Directory: C:\DOCUME~1\friday_b\LOCALS~1\Temp
Template: C:\Documents and Settings\friday_b\Application
Data\Microsoft\Templates\Normal.dot
Title: Appendix U-1, List of Unregulated Emissions Units and/or Activities
Subject:
Author: Robert Bull
Keywords:
Comments:
Creation Date: 10/1/2004 9:41 AM
Change Number: 2
Last Saved On: 10/1/2004 9:41 AM
Last Saved By: Barbara Friday
Total Editing Time: 1 Minute
Last Printed On: 10/1/2004 11:04 AM
As of Last Complete Printing
Number of Pages: 1
Number of Words: 208 (approx.)
Number of Characters: 1,187 (approx.)

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

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

**FINAL Title V Permit Revision No. 0470002-041-
 AV**
 Facility ID No.: 0470002

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

E.U. ID No.	Brief Description
1	#2 Phosphate Rock Grinder

Pollutant Name	Fuel(s)	Hours/Year	Allowable Emissions			Equivalent Emissions*		Regulatory Citation(s)	See permit condition(s)
			Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
Particulate Matter		8760		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.

MEMORANDUM

TO: Michael G. Cooke
FROM: Trina Vielhauer *ZV*
DATE: September 28, 2004
SUBJECT: FINAL Permit No. **0470002-041-AV**
White Springs Agricultural Chemicals, Inc.
Suwannee River/Swift Creek Complex

The subject of this permit is for the revision of the Title V Air Operation Permit No. 0470002-033-AV.

This facility processes phosphate rock to produce several products at the Suwannee River/Swift Creek Complex (two plants). The subject of this permit revision is to 1) modify the current, permitted compliance testing requirement for Emission Unit Nos. 003 and 038 (Pollyphos® Reactors A & B) from an annual basis to a 5-year basis instead, 2) to modify the current permitted materials processed, stored, and shipped at Emission unit No. 015 (Screening and Shipping Facility) to include Monocal, Dical, and Pollyphos®, 3) to modify the current, permitted materials processed, stored, and shipped at Emission unit No. 010 (No. 1 Storage Building) to include Monocal, Dical, and Pollyphos®, and 4) to incorporate the provisions of 40 CFR 63 Subparts AA and BB, National Emissions Standards for Hazardous Air Pollutants Phosphoric Acid Manufacturing and Phosphate Fertilizers Production.

Comments received concerning the DRAFT Title V Permit that was clerked on June 24, 2002, were from the Applicant's Consultant, and *all comments were resolved*. No comments were received from U.S. EPA, Region 4, concerning the PROPOSED Title V Permit that was posted on the Department's web site on August 21, 2004.

I recommend your signature.

Attachment

TV/rfb

make -
The dates on this one look weird bc. this is one of the old phosphate MACT revisions. Pursuant to settlement agreement, this revision (w/MACT in it) has gone final -- even though it expired.

Friday, Barbara

To: Kirts, Christopher; Felton-Smith, Rita; cpults@pcsposphate.com; praval@kooglerassociates.com

Cc: Bull, Robert

Subject: FINAL Title V Permit Revision #0470002-041-AV - White Spring Agricultural Chemicals, Inc.

Find attached the zip file for subject FINAL Title V Permit Revision for your information and files.

If I may be of further assistance, please feel free to contact me.

Barbara J. Friday
Planner II
Bureau of Air Regulation
(850)921-9524
Barbara.Friday@dep.state.fl.us