

X'tra copy

Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT

Mr. C. M. Farris, General Manager
Farmland Industries, Inc.
Post Office Box 960
Bartow, Florida 33830


July 28, 1989

Enclosed is construction permit No. AC 53-166067 which authorizes the installation of the North GTSP/MAP/DAP product cooler system at your facility near Bartow, Polk County, Florida. This permit is issued pursuant to Section 403, Florida Statutes.

Any party to this permit has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, 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 Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 days from the date this permit is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality Management

Copy furnished to:

B. Thomas, SW District
U. K. Custred, P.E.

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on 7-31-89.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes, with
the designated Department Clerk,
receipt of which is hereby
acknowledged.

Martha J. Wise 7-31-89
Clerk Date

Final Determination

Farmland Industries, Inc.
Polk County
Bartow, Florida

North GTSP/MAP/DAP Product Cooler System
Permit No. AC 53-166067

Florida Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Quality Management
Central Air Permitting

July 28, 1989

Final Determination

The Technical Evaluation and Preliminary Determination for the permit to construct the North GTSP/MAP/DAP product cooler system at Farmland's phosphate fertilizer chemical complex located near Bartow, Polk County, Florida, was distributed on June 28, 1989. The Notice of Proposed Agency Action was published in The Ledger on July 8, 1989. Copies of the evaluation were available for public inspection at the Department's offices in Tampa and Tallahassee. No comments were received on the Department's proposed intent to issue the permit.

The final action of the Department will be to issue construction permit No. AC 53-166067 as proposed in the Technical Evaluation and Preliminary Determination.



FARMLAND INDUSTRIES, INC.

post office box 960 / bartow, florida 33830

July 14, 1989

Mr. Bill Thomas
Central Air Permitting
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Re: AC 53-166067

Dear Bill,

Attached is an Affidavit of Publication of the Notice of Proposed Action on our permit application.

If you have any questions, please give me a call.

Very truly yours,

A handwritten signature in cursive script that reads "Gene Meier/dr".

C. Gene Meier
Administrator,
Environmental Services

CGM:dr

Attachment

*copied: St. Banks
H. Kline, 500 Dist.*

RECEIVED
JUL 19 1989

DER-BAQM

AFFIDAVIT OF PUBLICATION

THE LEDGER

Lakeland, Polk County, Florida

Case No.

STATE OF FLORIDA)
COUNTY OF POLK)

Before the undersigned authority personally appeared Stephen DeWitt, who on oath says that he is Controller of The Ledger, a daily newspaper published at Lakeland in Polk County, Florida; that the attached copy of advertisement, being a

Notice of Intent

in the matter of
Issue Permit

in the

Court, was published in said newspaper in the issues of
July 8; 1989

Affiant further says that said The Ledger is a newspaper published at Lakeland, in said Polk County, Florida, and that the said newspaper has heretofore been continuously published in said Polk County, Florida, daily, and has been entered as second class matter at the postoffice in Lakeland, in said Polk County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper

Signed

Stephen P. DeWitt
Controller

Sworn to and subscribed before me this 13th
day of July A.D. 1989

(Seal)

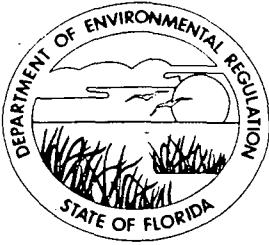
Clayton Weir
Notary Public

NOTARY PUBLIC, STATE OF FLORIDA.
MY COMMISSION EXPIRES: JUNE 25, 1991.
BONDED INTO NOTARY PUBLIC UNDERWRITERS.

My Commission Expires

Attach Notice Here

State of Florida
Department of Environmental Regulation
Notice of Intent to Issue
The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Farmco Industries, Inc., P.O. Box 960, Bartow, Florida 33130, to construct a product cooler system on the North GTP/MAF/DAP part of the phosphate fertilizer facility located on State Road 640 West, near Bartow, Polk County, Florida. Installation of the proposed cooler system will occur on an existing facility (North GTP/MAF/DAP plant). The installation of the cooler system will not increase production and is not expected to increase particulate matter and fluoride emissions from the plant. No prevention of significant deterioration increment consumption is expected. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this intent to issue for the reasons stated in the Technical Evaluation and Preliminary Determination.
A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petitioner must obtain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of 2600 Blair Stone Road, Tallahassee, Florida 32309-0400, within fourteen (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.
The Petition shall contain the following information:
(1) The name, address, and telephone number of each petitioner; the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
(2) A statement of how and when each petitioner received notice of the Department's action or proposed action;
(3) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
(4) A statement of the material facts alleged by petitioner (if any) which are in dispute with the Department's action or proposed action;
(5) A statement of which rules or standards petitioner contends require reversal or modification of the Department's action or proposed action; and
(6) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S. and to participate as a party to this proceeding. Any subsequent intervention will only be by the approval of the presiding officer upon motion filed pursuant to Rule 28.5, 201, F.A.C. and Florida Statutes, Part 3.
The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at 2600 Blair Stone Road, Tallahassee, Florida 32309-0400, Department of Environmental Regulation, Bureau of Air Quality Management, 2600 Blair Stone Road, Tallahassee, Florida 32309-0400, Department of Environmental Regulation, Southwest District, 4520 Oak For Boulevard, Tallahassee, Florida 32309-0400.
Any person may send written comments on the proposed action to Mr. Bill Thomas of the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.
5-217-78-1000



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

PERMITTEE:

Farmland Industries, Inc.
P. O. Box 960
Bartow, Florida 33830

Permit Number: AC 53-166067

Expiration Date: January 31, 1990

County: Polk

Latitude/Longitude: 27°50'37"N
81°56'05"W

Project: North GTSP/MAP/DAP Plant

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Installation of a product cooler system on the North GTSP/MAP/DAP plant which consists of two GEESI Model No. 8.0 x 10.0-4 Econo-Flow Coolers, Model #CF-90-123 cooler cyclone, and associated equipment including ducts to connect the coolers to the existing plant scrubber system. The plant is part of the phosphate fertilizer complex located on State Road 640 West near Bartow, Polk County, Florida. The UTM coordinates of this plant are Zone 17, 409.5 km E and 3079.5 km N.

The source shall be in accordance with the permit application, plans, documents, amendments and drawings, except as otherwise noted in the General and Specific Conditions.

Attachments are listed below:

1. Application received June 7, 1989.
2. Farmland Industries' letter dated June 14, 1989.

PERMITTEE:
Farmland Industires, Inc.

Permit No. AC 53-166067
Expiration Date: January 31, 1990

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

PERMITTEE:
Farmland Industires, Inc.

Permit No. AC 53-166067
Expiration Date: January 31, 1990

GENERAL CONDITIONS:

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:

- a. Have access to and copy any records that must be kept under the conditions of the permit;
- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

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

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

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

PERMITTEE:
Farmland Industires, Inc.

Permit No. AC 53-166067
Expiration Date: January 31, 1990

GENERAL CONDITIONS:

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

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

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

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-30.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

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

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

PERMITTEE:
Farmland Industires, Inc.

Permit No. AC 53-166067
Expiration Date: January 31, 1990

GENERAL CONDITIONS:

- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements;
 - the dates analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

SPECIFIC CONDITIONS:

1. Maximum production of the North GTSP/MAP/DAP plant shall not exceed the following:

<u>Product</u>	<u>Max. Production (TPH)</u>
GTSP	33.2
MAP	70
DAP	50

The permittee shall maintain logs that can be used to determine compliance with these restrictions. These logs shall include the

PERMITTEE:
Farmland Industires, Inc.

Permit No. AC 53-166067
Expiration Date: January 31, 1990

SPECIFIC CONDITIONS:

hourly quantity of phosphate rock and phosphoric acid feed to the plant along with the P₂O₅ content.

2. The North GTSP/MAP/DAP plant may operate continuously, 8760 hrs/year.

3. Maximum fluoride emissions from this plant shall not exceed the following:

Product	lbs/TP ₂ O ₅ Input	lbs/hr	TPY
GTSP	0.53	8.2	35.8
MAP	0.12	3.4	14.9
DAP	0.06	2.4	10.5

4. Maximum particulate matter emissions shall not exceed the quantity allowed by F.A.C. Rule 17-2, Table 610-1, Process Weight Table, and 26.9 lbs/hr.

5. Visible emissions from any part of this plant shall not exceed 20% opacity.

6. Compliance with the emission standards specified in Specific Condition Nos. 3, 4, and 5 shall be determined by EPA Reference Methods 1, 2, 3, 4, 5, 9, 13A or 13B as described in 40 CFR 60, Appendix A, July 1, 1988, and plant production records.

7. Only natural gas fuel shall be used in this plant. Heat input to the dryer shall not exceed 50 MMBtu/hr.

8. The plant shall not cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor.

9. The permittee shall minimize the escape of unconfined emissions by keeping covers on process equipment, prompt clean up of spills within the plant, and cleaning or wetting areas used by vehicles.

10. Before this construction permit expires, the permittee shall sample the plant for particulate matter and fluoride emissions while it is operating as near as practical to its permitted

PERMITTEE:
Farmland Industires, Inc.

Permit No. AC 53-166067
Expiration Date: January 31, 1990

SPECIFIC CONDITIONS

capacity but not below 90% of the permitted capacity and, using the procedures described in 40 CFR 60, Appendix C, determine if the use of the cooler increases the emissions from this plant. The gas pressure drop across the scrubber shall be reported in the compliance test report.

11. The permittee shall notify the Department's Southwest District at least 15 days prior to any compliance test. Compliance testing shall be conducted within 30 days of a change in product (DAP, MAP or GTSP).

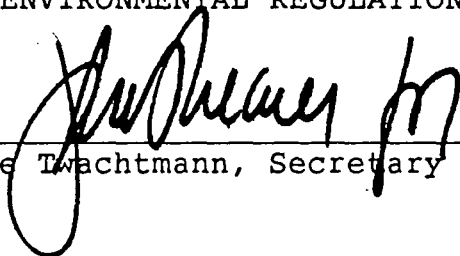
12. The permittee shall comply with all applicable requirements of 40 CFR 60 and Chapter 17-2, F.A.C., if the use of the cooler system causes an increase in fluoride emissions.

13. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the BAQM prior to 60 days before the expiration of the permit (F.A.C. 17-4.090).

14. An application for an operation permit must be submitted to the Department's Southwest District office at least 90 days prior to the expiration date of this construction permit or within 45 days after completion of compliance testing, whichever occurs first. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (F.A.C. 17-4.220).

Issued this 27th day
of July, 1989

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


Dale Twachtmann, Secretary