



# Department of Environmental Protection

Willard's

ALMS  
EVENTS  
UPDATED

Lawton Chiles  
Governor

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

Virginia B. Wetherell,  
Secretary

July 24, 1997

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Charles W. Jenkins  
Manager of Environmental and Safety Services  
Farmland Hydro, L.P.  
Post Office Box 960  
Bartow, Florida 33831

Re: DRAFT Air Construction Permit Modification AC53-210886, PSD-FL-186  
File No. 1050053-015-AC  
Green Bay Plant

Dear Mr. Jenkins:

Enclosed is one copy of the Draft Air Construction Permit Modification for the MAP/DAP plant at your Green Bay plant located near Bartow, Polk County. The Department's Intent to Issue Air Construction Permit Modification and the "PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT MODIFICATION" are also included.

The "PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT MODIFICATION" must be published within 30 (thirty) days of receipt of this letter. Proof of publication, i.e., newspaper affidavit, must be provided to the Department's Bureau of Air Regulation office within 7 (seven) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit modification.

Please submit any written comments you wish to have considered concerning the Department's proposed action to A. A. Linero, P.E., Administrator, New Source Review Section at the above letterhead address. If you have any questions on this matter, please contact Mr. Willard Hanks or Mr. Linero at 850/488-1344.

Sincerely,

C. H. Fancy, P.E., Chief,  
Bureau of Air Regulation

CHF/wh  
Enclosures

In the Matter of an  
Application for Permit Modification by:

Farmland Hydro, L.P.  
Post Office Box 960  
Bartow, Florida 33831 /

DRAFT Permit Nos. AC53-210886, PSD-FL-186  
File No. 1050053-015-AC  
Green Bay Plant / Polk County

### INTENT TO ISSUE AIR CONSTRUCTION PERMIT MODIFICATION

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit modification (copy of DRAFT Permit modification attached) for the proposed project, as detailed in the application specified above, for the reasons stated below.

The applicant, Farmland Hydro, L.P., applied on May 21, 1997, to the Department for an air construction permit modification for its Green Bay Plant located at 4390 County Road 640 West near Bartow, Polk County. The modification will combine the permitted emissions between the two stacks serving the North monoammonium and diammonium phosphate granulation plant instead of allotting a specific emission limit for each plant stack.

The Department has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-212. The above actions are not exempt from permitting procedures. The Department has determined that an air construction permit modification, including reissuance of the expired permit, is required to reallocate the allowable emissions for this plant.

The Department intends to issue this air construction permit modification based on the belief that reasonable assurances have been provided to indicate that operation of these emission units will not adversely impact air quality, and the emission units will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C.

Pursuant to Section 403.815, F.S., and Rule 62-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed "PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT MODIFICATION". The notice shall be published one time only within 30 (thirty) days in the legal advertisement section of a newspaper of general circulation in the area affected. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used must be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed below. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-1344; Fax 850/ 922-6979) within 7 (seven) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit modification pursuant to Rule 62-103.150 (6), F.A.C.

The Department will issue the FINAL Permit Modification, in accordance with the conditions of the enclosed DRAFT Permit Modification unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed DRAFT Permit Modification issuance action for a period of 30 (thirty) days from the date of publication of "PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT MODIFICATION." Written comments should be provided to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this DRAFT Permit Modification, the Department shall issue a Revised DRAFT Permit Modification and require, if applicable, another Public Notice.

The Department will issue the permit modification with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S., or a party requests mediation as an alternative remedy under Section 120.573 F.S. before the deadline for filing a petition. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for petitioning for a hearing are set forth below, followed by the procedures for requesting mediation.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57 F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, telephone: 850/488-9730, fax: 850/487-4938. Petitions must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition (or a request for mediation, as discussed below) within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-5.207 of the Florida Administrative Code.

A petition must contain the following information: (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Permit File Number and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of the facts that the petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement identifying the rules or statutes that the petitioner contends require reversal or modification of the Department's action or proposed action; and (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take with respect to the action or proposed action addressed in this notice of intent.

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

A person whose substantial interests are affected by the Department's proposed permitting decision, may elect to pursue mediation by asking all parties to the proceeding to agree to such mediation and by filing with the Department a request for mediation and the written agreement of all such parties to mediate the dispute. The request and agreement must be filed in (received by) the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, by the same deadline as set forth above for the filing of a petition.

A request for mediation must contain the following information: (a) The name, address, and telephone number of the person requesting mediation and that person's representative, if any; (b) A statement of the preliminary agency action; (c) A statement of the relief sought; and (d) Either an explanation of how the requester's substantial interests will be affected by the action or proposed action addressed in this notice of intent or a statement clearly identifying the petition for hearing that the requester has already filed, and incorporating it by reference.

The agreement to mediate must include the following: (a) The names, addresses, and telephone numbers of any persons who may attend the mediation; (b) The name, address, and telephone number of the mediator selected by the parties, or a provision for selecting a mediator within a specified time; (c) The agreed allocation of the costs and fees associated with the mediation; (d) The agreement of the parties on the confidentiality of discussions and

documents introduced during mediation; (e) The date, time, and place of the first mediation session, or a deadline for holding the first session, if no mediator has yet been chosen; (f) The name of each party's representative who shall have authority to settle or recommend settlement; and (g) The signatures of all parties or their authorized representatives.

As provided in Section 120.573 F.S., the timely agreement of all parties to mediate will toll the time limitations imposed by Sections 120.569 and 120.57 F.S. for requesting and holding an administrative hearing. Unless otherwise agreed by the parties, the mediation must be concluded within sixty days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. Persons whose substantial interests will be affected by such modified final decision of the Department have a right to petition for a hearing only in accordance with the requirements for such petitions set forth above. If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under Sections 120.569 and 120.57 F.S. remain available for disposition of the dispute, and the notice will specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

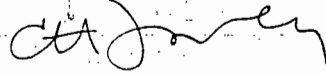
In addition to the above, a person subject to regulation has a right to apply for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542 F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal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

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information: (a) The name, address, and telephone number of the petitioner; (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any; (c) Each rule or portion of a rule from which a variance or waiver is requested; (d) The citation to the statute underlying (implemented by) the rule identified in (c) above; (e) The type of action requested; (f) The specific facts that would justify a variance or waiver for the petitioner; (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

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

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

Executed in Tallahassee, Florida.



C. H. Fancy, P.E., Chief  
Bureau of Air Regulation

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this INTENT TO ISSUE AIR CONSTRUCTION PERMIT MODIFICATION (including the PUBLIC NOTICE, and DRAFT permit modification) was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on 7-24-97 to the person(s) listed:

- Mr. Charles W. Jenkins, Farmland Hydro L.P. \*
- Mr. Gerald Kissel, SWD
- Mr. Brian Beals, EPA
- Mr. John Bunyak, NPS

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.

Keri Joben  
(Clerk)

7-24-97  
(Date)

# NOTICE TO BE PUBLISHED IN THE NEWSPAPER

## PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT MODIFICATION

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DRAFT Permit Modification No. 1050053-015-AC, (PSD-FL-186)  
Green Bay Facility  
Polk County

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit modification to Farmland Hydro, L.P. for the North monoammonium/diammonium phosphate (MAP/DAP) plant located at the Green Bay Facility at 4390 County Road 640 West near Bartow in Polk County. The previous Best Available Control Technology (BACT) determination for fluoride emissions will be modified. The applicant's name and address are: Farmland Hydro, L.P., Post Office Box 960, Bartow, Florida, 33831.

The modification is to combine the allowable emissions from the two stacks serving the same process into a single limit for the two stacks. The modification does not authorize an increase in production or emissions from the plant. Neither actual nor allowable emissions will increase as a result of this revision.

Total emissions from the main stack and the reactor/granulator stack shall not exceed the following limits:

<u>Pollutant</u>	<u>Maximum Emissions</u>		<u>Production</u>	<u>Product</u>
	<u>lbs/hr</u>	<u>TPY</u>		
Fluoride	3.74	16.4	120 TPH	MAP
Particulate Matter	22.5	98.6	120 TPH	MAP
Fluoride	2.76	12.1	100 TPH	DAP
Particulate Matter	16.1	70.5	100 TPH	DAP

A new air quality impact analysis was not required as part of this modification. Emissions from this plant already consume PSD increment but do not significantly contribute to or cause a violation of any state or federal ambient air quality standards.

The Department will issue the FINAL Permit Modification, in accordance with the conditions of the DRAFT Permit Modification unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed DRAFT Permit Modification issuance action for a period of 30 (thirty) days from the date of publication of this Notice. Written comments should be provided to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this DRAFT Permit Modification, the Department shall issue a Revised DRAFT Permit Modification and require, if applicable, another Public Notice.

The Department will issue FINAL Permit Modification with the conditions of the DRAFT Permit Modification unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S. or a party requests mediation as an alternative remedy under Section 120.573 before the deadline for filing a petition. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for petitioning for a hearing are set forth below, followed by the procedures for requesting mediation.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57 F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, telephone: 850/488-9370, fax: 850/487-4938. Petitions must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition (or a request for mediation, as discussed below) within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-5.207 of the Florida Administrative Code.

# NOTICE TO BE PUBLISHED IN THE NEWSPAPER

A petition must contain the following information: (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Permit File Number and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of the facts that the petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement identifying the rules or statutes that the petitioner contends require reversal or modification of the Department's action or proposed action; and (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take with respect to the Department's action or proposed action addressed in this notice of intent.

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

A person whose substantial interests are affected by the Department's proposed permitting decision, may elect to pursue mediation by asking all parties to the proceeding to agree to such mediation and by filing with the Department a request for mediation and the written agreement of all such parties to mediate the dispute. The request and agreement must be filed in (received by) the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, by the same deadline as set forth above for the filing of a petition.

A request for mediation must contain the following information: (a) The name, address, and telephone number of the person requesting mediation and that person's representative, if any; (b) A statement of the preliminary agency action; (c) A statement of the relief sought; and (d) Either an explanation of how the requester's substantial interests will be affected by the action or proposed action addressed in this notice of intent or a statement clearly identifying the petition for hearing that the requester has already filed, and incorporating it by reference.

The agreement to mediate must include the following: (a) The names, addresses, and telephone numbers of any persons who may attend the mediation; (b) The name, address, and telephone number of the mediator selected by the parties, or a provision for selecting a mediator within a specified time; (c) The agreed allocation of the costs and fees associated with the mediation; (d) The agreement of the parties on the confidentiality of discussions and documents introduced during mediation; (e) The date, time, and place of the first mediation session, or a deadline for holding the first session, if no mediator has yet been chosen; (f) The name of each party's representative who shall have authority to settle or recommend settlement; and (g) The signatures of all parties or their authorized representatives.

As provided in Section 120.573 F.S., the timely agreement of all parties to mediate will toll the time limitations imposed by Sections 120.569 and 120.57 F.S. for requesting and holding an administrative hearing. Unless otherwise agreed by the parties, the mediation must be concluded within sixty days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. Persons whose substantial interests will be affected by such modified final decision of the Department have a right to petition for a hearing only in accordance with the requirements for such petitions set forth above. If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under Sections 120.569 and 120.57 F.S. remain available for disposition of the dispute, and the notice will specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

A complete project file 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:

Department of Environmental Protection  
Bureau of Air Regulation  
111 S. Magnolia Drive, Suite 4  
Tallahassee, Florida, 32301  
Telephone: 850/488-1344  
Fax: 850/922-6979

Department of Environmental Protection  
Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33610  
Telephone: 813/744-6100  
Fax: 813/744-6458

The complete project file includes the Draft Permit Modification, the application, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Administrator, New Resource Review Section at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-1344, for additional information.

**TECHNICAL EVALUATION  
AND  
PRELIMINARY DETERMINATION**

**Farmland Hydro, L.P.**

**Green Bay Plant Unit No. 029  
North Monoammonium/Diammonium  
Phosphate Granulation Plant  
Bartow, Florida  
Polk County**

**Air Construction Permit Modification No. AC53-210886  
File No. 1050053-015-AC  
PSD-FL-186**

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

**July 24, 1997**



# TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

## 1. APPLICATION INFORMATION

### 1.1 *Applicant Name and Address*

Farmland Hydro, L.P.  
Post Office Box 960  
Bartow, Florida 33830

#### *Authorized Representative*

Mr. Charles W. Jenkins  
Manager of Environmental and Safety Services

### 1.2 *Reviewing and Process Schedule*

05/21/97      Date of Receipt of Application  
06/12/97      Date of Request for Additional Information  
06/24/97      Date of Receipt of Additional Information

## 2. FACILITY INFORMATION

### 2.1 *Facility Location*

This existing phosphate fertilizer chemical plant is located in Polk County at 4390 County Road 640 West near Bartow, Florida 33830. The UTM Coordinates of this site are Zone 17, 409.50 km E and 3080.10 km N.

### 2.2 *Standard Industrial Classification Code (SIC)*

Major Group No.	28	Chemicals and Allied Products
Group No.	287	Agricultural Chemicals
Industry No.	2874	Monoammonium/diammonium phosphate production.

### 2.3 *Facility Category*

The Green Bay plant is classified as a major air pollutant emitting facility. Air pollutant emissions are over 100 TPY for particulate matter (PM/PM<sub>10</sub>) and sulfur dioxide (SO<sub>2</sub>). Fluorides are emitted in significant rates.

This facility is on the list of the 28 Major Facility Categories, Table 62-212.400-1. This facility is also classified as a Title V facility.

# TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

---

## 3. PROJECT DESCRIPTION

3.1 *This permit addresses the following emissions units:*

EMISSION UNIT No.	SYSTEM	EMISSION UNIT DESCRIPTION
ARMS No.	029	North MAP/DAP Granulation Plant

The applicant requested the air permit be modified to combine the allowable emissions between the two stacks serving the North MAP/DAP Granulation Plant into one limit for the plant.

Farmland Hydro, L.P. requested that the allowable emissions from the two stacks for the North monoammonium/diammonium granulation plant in permit No. AC53-210886 be combined into one emission standard for the plant. The results of a recent test that was conducted near permitted capacity of the plant showed one stack, controlling the dryer, screen, and mills in this plant, had lower than allowed emissions. The other stack for the reactor and granulator section of the plant was emitting just above its permitted limit. Other test data on this plant show similar results. The applicant has requested that the Department set a single emissions unit (both stacks) standard, similar to that required by the new source performance standard for diammonium phosphate plants (40CFR60, Subpart V), instead of separate emission limits for each stack. This will remove the arbitrary allocation of emissions and allow the plant to comply with the emission limits for the process. It will not, in itself, allow the plant to increase production. Production of the plant is presently limited by specific condition No. 8 of permit No. AC53-210886 to the quantities listed in the application for this permit. A separate permit modification would be required to increase production from the plant, even if the allowable emissions at higher production were not increased.

## 4. PROCESS DESCRIPTION

4.1 *General Information*

Ammonia and phosphoric acid are mixed to form MAP and DAP in various process equipment. The material is then dried and screened. Emissions from the plant are routed to the stack serving the dryer, cooler, screens and mills, and the stack serving the reactor and granulator. The pollutants emitted are particulate matter, fluorides, and ammonia. Ammonia is not regulated directly by the Department.

## 5. RULE APPLICABILITY

The proposed project is subject to preconstruction review requirements under the provisions of Chapter 403, Florida Statutes, and Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.).

## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

This facility is located in Polk County, an area designated unclassifiable for lead and PM<sub>10</sub>, and classified as attainment for all other criteria pollutants in accordance with Rule 62-204.340, F.A.C. The proposed project is not subject to review under Rule 62-212.400., F.A.C., Prevention of Significant Deterioration (PSD), because the allowable emissions of fluorides and particulate matter are not being increased.

The emission units affected by this permit amendment shall comply with all applicable provisions of the Florida Administrative Code (including applicable portions of the Code of Federal Regulations incorporated therein) and, specifically, the following Chapters and Rules:

Chapter 62-4	Permits.
Rule 62-204.220	Ambient Air Quality Protection
Rule 62-204.240	Ambient Air Quality Standards
Rule 62-204.260	Prevention of Significant Deterioration Increments
Rule 62-204.360	Designation of Prevention of Significant Deterioration Areas
Rule 62-204.800	Federal Regulations Adopted by Reference
Rule 62-210.300	Permits Required
Rule 62-210.350	Public Notice and Comments
Rule 62-210.370	Reports
Rule 62-210.550	Stack Height Policy
Rule 62-210.650	Circumvention
Rule 62-210.700	Excess Emissions
Rule 62-210.900	Forms and Instructions
Rule 62-212.300	General Preconstruction Review Requirements
Rule 62-212.400	Prevention of Significant Deterioration
Rule 62-296.320	General Pollutant Emission Limiting Standards
Rule 62-297.310	General Test Requirements
Rule 62-297.400	EPA Methods Adopted by Reference
Rule 62-297.401	EPA Test Procedures
Rule 62-297.520	EPA Performance Specifications

## 6. SOURCE IMPACT ANALYSIS

### 6.1 *Emission Limitations*

The emission unit will emit the following PSD pollutants (Table 212.400-2): particulate matter, and fluorides. The permitted allowable emissions for this unit are summarized in the following table.

# TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

---

## 6.2 Emission Summary

### EMISSION UNIT 029

		<u>Current Allowable Emissions</u>			<u>Proposed Emission</u>
				PLT.	<u>Limit</u>
		Main Stack	R/G Stack	Total	Proposed Plt.
MAP Production					
Fluorides	lbs/TP2O5			0.06	0.06
	lbs/hr	1.87	1.87	3.74	3.74
	TPY	8.2	8.2	16.4	16.4
PM	lbs/hr	15.9	6.6	22.5	22.5
	TPY	69.6	29.0	98.6	98.6
DAP Production					
Fluorides	lbs/TP2O5			0.06	0.06
	lbs/hr	1.6	1.16	2.76	2.76
	TPY	7.0	5.1	12.1	12.1
PM	lbs/hr	10.6	5.5	16.1	16.1
	TPY	46.5	24.2	70.7	70.7

Footnotes:

Maximum allowable MAP production: 62.4 TPH P2O5

Maximum allowable DAP production: 46 TPH P2O5

## 6.3 Control Technology Review

The BACT document describes the control technology used at this plant. This modification does not authorize a change in the control equipment for this plant. The modification combines the allowable emissions from the two stacks into one limit for this plant.

## 6.4 Air Quality Analysis

An air quality analysis was not conducted for the proposed modification. As the modification does not authorize an increase in emissions, the ambient air impact of the emissions should not change.

## 7. CONCLUSION

Based on the foregoing technical evaluation of the application and additional information submitted by Farmland Hydro L.P., the Department has made a preliminary determination that

## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

the proposed project will comply with all applicable state and federal air pollution regulations provided the Department's revised Best Available Control Technology Determination is implemented and certain conditions are met. The General and Specific Conditions are listed in the original permit.

*Permit Engineer:* Willard Hanks

*Reviewed and Approved by* A. A. Linero, P.E.

# DRAFT

**PERMITTEE:**

**Farmland Hydro, L. P.**  
Post Office Box 960  
Bartow, Florida 33831

*Authorized Representative:*  
Mr. Charles W. Jenkins  
Manager of Environmental and Safety Services

<b>Permit No.</b>	AC53-210886
<b>PSD No.</b>	PSD-FL-186
<b>File No.</b>	1050053-015-AC
<b>Expires No.</b>	March 20, 1998
<b>Facility</b>	Green Bay Plant

**LOCATED AT:**

**Farmland Hydro, L. P., Green Bay Plant**  
Project: North Monoammonium/Diammonium Plant  
Standard Industrial Classification Code (SIC): 2874  
Polk County, Florida

Location: UTM Zone 17; 409.50 km E ; 3080.10 km N  
Directions: 4390 County Road 640 West, near Bartow, Polk County

**STATEMENT OF BASIS:**

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

**Attached Appendices and Tables made a part of this permit:**

Appendix GC  
Appendix CSC

Construction Permit General Conditions  
Emission Unit(s) Common Specific Conditions

---

Howard L. Rhodes, Director  
Division of Air Resources  
Management

## APPENDIX SC SPECIFIC CONDITIONS

1. This permit supersedes permit AC53-210886 (PSD-FL-186), dated July 28, 1992 and its revisions dated November 8, 1993, February 23, 1994, April 19, 1994, and December 21, 1995.

The provisions of the air construction permit AC53-210886 (PSD-FL-186), dated July 28, 1992 and the revisions to that permit, attached and listed above, are incorporated into this air construction permit except for the changes that follow in Specific Condition No. 5

2. Previous Specific Condition No. 5 is changed as follows:

### FROM:

Emissions from the modified plant shall not exceed any of the limits listed for fluorides and particulate matter in the following tables:

#### MAP PRODUCTION

<u>Pollutant</u>		<u>Main Stack</u>	<u>R/G Stack</u>	<u>Plant Total</u>
Fluorides	lbs/TP2O5	--	--	0.06
	lbs/hr	1.87	1.87	3.74
	TPY	8.2	8.2	16.4
Particulate Matter	lbs/hr	15.9	6.6	22.5
	TPY	69.6	29.0	98.6
Ammonia*	lbs/hr	7.0	30.9	37.9
	TPY	30.7	135.5	166.2

#### DAP PRODUCTION

<u>Pollutant</u>		<u>Main Stack</u>	<u>R/G Stack</u>	<u>Plant Total</u>
Fluorides	lbs/TP2O5	--	--	0.06
	lbs/hr	1.60	1.16	2.76
	TPY	7.0	5.1	12.1
Particulate Matter	lbs/hr	10.6	5.5	16.1
	TPY	46.5	24.2	70.7
Ammonia*	lbs/hr	5.2	128.7	133.9
	TPY	22.7	563.7	586.4

\*Ammonia emission estimates (24-hour averages) listed in these tables are for inventory purposes only. Should the ammonia emissions exceed the listed estimates, the permittee shall model the maximum ammonia emissions to show that the Acceptable Ambient Concentration for ammonia of 100 ug/m3 (annual average) is not being exceeded and submit a report on these results to the Southwest District.

## APPENDIX SC SPECIFIC CONDITIONS

TO:

Emissions from the modified plant shall not exceed any of the limits listed for fluorides and particulate matter in the following tables:

### MAP PRODUCTION

<u>Pollutant</u>		<u>Plant Total</u>
Fluorides	lbs/TP2O5	0.06
	lbs/hr	3.74
	TPY	16.4
Particulate Matter	lbs/hr	22.5
	TPY	98.6
Ammonia*	lbs/hr	37.9
	TPY	166.2

### DAP PRODUCTION

<u>Pollutant</u>		<u>Plant Total</u>
Fluorides	lbs/TP2O5	0.06
	lbs/hr	2.76
	TPY	12.1
Particulate Matter	lbs/hr	16.1
	TPY	70.7
Ammonia*	lbs/hr	133.9
	TPY	586.4

\*Ammonia emission estimates (24-hour averages) listed in these tables are for inventory purposes only. Should the ammonia emissions exceed the listed estimates, the permittee shall model the maximum ammonia emissions to show that the Acceptable Ambient Concentration for ammonia of 100 ug/m<sup>3</sup> (annual average) is not being exceeded and submit a report on these results to the Southwest District.



# DRAFT

APPENDIX GC  
GENERAL PERMIT CONDITIONS [F.A.C. 62-4.160]

---

- G.1 The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
- G.2 This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings or exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
- G.3 As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey and vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
- G.4 This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- G.5 This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
- G.6 The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
- G.7 The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
- (a) Have access to and copy and records that must be kept under the conditions of the permit;
  - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit, and,
  - (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.
- Reasonable time may depend on the nature of the concern being investigated.
- G.8 If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
- (a) A description of and cause of non-compliance; and
  - (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

APPENDIX GC  
GENERAL PERMIT CONDITIONS [F.A.C. 62-4.160]

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

- G.9 In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
- G.10 The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
- G.11 This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
- G.12 This permit or a copy thereof shall be kept at the work site of the permitted activity.
- G.13 This permit also constitutes:
- (a) Determination of Best Available Control Technology (*X*)
  - (b) Determination of Prevention of Significant Deterioration (*X*); and
  - (c) Compliance with New Source Performance Standards (*X*).
- G.14 The permittee shall comply with the following:
- (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - (c) Records of monitoring information shall include:
    - 1. The date, exact place, and time of sampling or measurements;
    - 2. The person responsible for performing the sampling or measurements;
    - 3. The dates analyses were performed;
    - 4. The person responsible for performing the analyses;
    - 5. The analytical techniques or methods used; and
    - 6. The results of such analyses.
- G.15 When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.