

Permit

PERMITTEE:  
Farmland Hydro, L.P.

Permit Number: AC 53-210886  
PSD-FL-186  
Expiration Date: January 1, 1994

**SPECIFIC CONDITIONS:**

- 13. This plant shall not manufacture GTSP.
- 14. The plant may operate continuously, 8760 hrs/yr.
- 15. Heat input to the dryer shall not exceed 50 MMbtu/hr. Only natural gas (max. 0.05 MMCF/hr) shall be burned in the dryer; except when the natural gas supply to the plant is curtailed, then No. 2 fuel oil with a maximum of 0.5% sulfur may be burned for up to 400 hrs during any 12 month period.
- 16. Lignosulphonates (lignin) shall be used when needed to control unconfined dust emissions when handling MAP and DAP product. Defoamers may be added to the 28% P<sub>2</sub>O<sub>5</sub> scrubbing liquid.
- 17. Reasonable precautions for minimizing fugitive emissions of ammonia shall include routine inspection of vessels, piping, and hoses; placing scrubbers in operation prior to feeding ammonia to the process; and prompt repair of any leaks.

Testing Requirements

- 18. This plant shall be tested at a production rate of 108 to 120 TPH MAP and 90 to 100 TPH DAP within 60 days of commercial production of these products by the modified plant and annually thereafter for particulate matter, fluorides, and visible emissions. It shall also be tested for ammonia on achieving commercial production and prior to the renewal of any permit to operate issued for the modified plant (test every 5 years). The annual test during MAP and DAP production will be waived if that product is not manufactured during that year. All compliance tests shall meet the requirements listed in F.A.C. Rule 17-2.700. The unit shall not operate above the maximum permitted MAP or DAP production rates; except during the time of the compliance tests.
- 19. Test methods to determine compliance are EPA Method 5 for particulate matter, EPA Method 9 for visible emissions, and EPA 13A or 13B for fluorides. These methods are described in 40 CFR 60, Appendix A (July 1, 1991). Ammonia emissions shall be determined using a variation of the EPA Draft Method, using large impingers with 100 mls of 1.0 normal sulfuric acid in the first three impingers, the last impinger dry and a probe with an external design similar to that used in EPA Method 16, or any other test method agreed to by the Department.

Administrative Requirements

- 20. The Department's Southwest District shall be notified in

Best Available Control Technology (BACT) Determination  
Farmland Hydro, L.P.  
Polk County  
MAP/DAP Granulation Plant

The applicant proposes to modify their existing MAP/DAP granulation plant and increase production to 100 TPH diammonium phosphate (DAP) and 120 TPH monammonium phosphate (MAP). This plant is located at their phosphate fertilizer chemical manufacturing facility on County Road 640 West near Bartow, Polk County, Florida.

The proposed project will result in a significant increase in the emissions of fluorides and is therefore subject to Prevention of Significant Deterioration (PSD) review in accordance with F.A.C. Rule 17-2.500(5). The BACT review is part of the PSD review requirements in accordance with F.A.C. 17-2.500(5)(c).

Date of Receipt of a BACT Application

March 25, 1992

Control Technology

The proposed reactor-granulator scrubbing system is a "double mole" three stage scrubber using 10% and 28%  $P_2O_5$  acid as the scrubbing liquids. The second stage is a low pressure (12" water) venturi scrubber. Each stage is followed by a cyclonic separator. This system is followed by a BFL scrubber that uses recirculated condensate and process water as the final scrubbing liquid. The gases are discharged through a new stack that served only this scrubber system.

The existing dryer scrubber system consists of a down flow scrubber using 28%  $P_2O_5$  phosphoric acid scrubber liquid followed by a cyclonic separator. The gases from this separator pass through a cross-flow scrubber that is shared with the screen and mill (S/M) scrubber. The cross-flow scrubber uses recycled process water as the scrubber medium. The gases are discharged through the existing plant stack to the atmosphere. Except for new controls and fans, this scrubber system is not being modified.

The description of the S/M scrubber system is identical to the above one for the dryer scrubber system.

The product cooler system will cool air by the evaporation of ammonia which is then used to cool the product. (The condensate from cooling the air is used in the BFL scrubber.) The air leaving the product cooler passes through a venturi scrubber that uses 10%  $P_2O_5$  phosphoric acid as the scrubber liquid and through a cyclonic separator before being mixed with the gases leaving the cross-flow scrubber and discharged through the existing plant stack to the atmosphere.

BACT Determination Procedure

In accordance with Florida Administrative Code Chapter 17-2, Air Pollution, this BACT determination is based on the maximum degree of reduction of each pollutant emitted which the Department, on a case by case basis, taking into account: energy, environmental and economic impacts, and other costs, determines is achievable through application of production processes and available methods, systems, and techniques. In addition, the regulations state that in making the BACT determination the Department shall give consideration to:

- (a) Any Environmental Protection Agency determination of Best Available Control Technology pursuant to Section 169, and any emission limitation contained in 40 CFR Part 60 (Standards of Performance for New Stationary Sources) or 40 CFR Part 61 (National Emission Standards for Hazardous Air Pollutants).
- (b) All scientific, engineering, and technical material and other information available to the Department.
- (c) The emission limiting standards or BACT determinations of any other state.
- (d) The social and economic impact of the application of such technology.

The EPA currently stresses that BACT should be determined using the "top-down" approach. The first step in this approach is to determine for the emission source in question the most stringent control available for a similar or identical source or source category. If it is shown that this level of control is technically or economically infeasible for the source in question, then the next most stringent level of control is determined and similarly evaluated. This process continues until the BACT level under consideration cannot be eliminated by any substantial or unique technical, environmental, or economic objections.

BACT Determination by DER

The Department accepts the applicant's recommendation for BACT. The following table summarizes the fluoride emission standards for the modified MAP/DAP plant.

Control	Fluoride Emissions					
	DAP Production (46 TPH P <sub>2</sub> O <sub>5</sub> )			MAP Production (62.4 TPH P <sub>2</sub> O <sub>5</sub> )		
	lbs/hr	TPY	lbs/TP <sub>2</sub> O <sub>5</sub>	lbs/hr	TPY	lbs/TP <sub>2</sub> O <sub>5</sub>
R-G Scrubber System	1.16	5.08	0.025	1.87	8.19	0.030
Cross-Flow Scrubber System (Dryer plus S/M scrubbing)	0.66	2.89	0.014	0.66	2.89	0.011
Product Cooler Scrubbing System	0.94	4.12	0.020	1.21	5.30	0.03
TOTAL	2.76	12.09	0.06	3.74	16.38	0.06

BACT Determination Rationale

DER's BACT determination is the same as proposed by the applicant, earlier BACT determinations for similar processes in Florida, and the new source performance standards for diammonium phosphate plants, 40 CFR 60, Subpart V. The MAP/DAP plants emit both fluoride and ammonia -- along with particulate matter. Most first stage scrubbers in these plants use phosphoric acid scrubbing liquid to recover ammonia. Ammonia is a raw material for the plant and a generally unregulated air pollutant that has the potential to cause objectionable odors, even in low ambient air concentrations. Fluorides are evolved from the phosphoric acid in the scrubber. This plant modification uses a lower strength acid (10% P<sub>2</sub>O<sub>5</sub> instead of the more common 28% acid) in the first stage of some scrubbers. This lowers the amount of fluoride evolved. Final fluoride removal occurs in a scrubber using recycle process water. The recycle process water contains traces of fluoride (0.45%) that limit the amount of fluoride that can be readily adsorbed from the gas stream. Fluosilicic acid production at this facility will also help reduce the quantity of fluorides getting into the recycle plant process water which will lower the fluoride emissions. Fresh or treated water in the final scrubber would lower fluoride emissions. However, because of the large consumption of fresh water by the phosphate industry in Florida which is concentrated near this plant, the companies are being forced to lower the quantity of fresh water used. Using treated water does not appear cost effective as the proposed system is estimated to achieve over 99.9% fluoride removal while also providing reasonable control of ammonia emissions.

Environmental Impact Analysis

The actual ambient air impact of the increased fluorides emissions is expected to be approximately:

<u>Averaging Time (hrs)</u>	<u>Increase Impact ug/m<sup>3</sup></u>
8	6.7
24	3.4
Annual	0.2

The Department and U. S. Environmental Protection Agency (EPA) do not have an ambient air standard for fluorides. Fluorides are classified by EPA as a welfare-related pollutant (no demonstrated effect on public health).

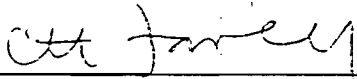
Conclusion

There will be no significant change in the ambient effects of fluorides on the soils and vegetation as a result of the increased fluoride emissions resulting from the modification of this plant.

Details of the Analysis May be Obtained by Contacting:

Preston Lewis, P.E.  
Department of Environmental Regulation  
Bureau of Air Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Recommended by:



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

Date

July 24 1992

Approved by:



Carol M. Browner, Secretary  
Dept. of Environmental Regulation

Date

July 27 1992

Mr. C. Gene Meier  
AC 53-210886  
Permit Amendment  
April 11, 1994  
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S.C. No. 5

DAP Production				
Pollutant		Main Stack	R/G Stack	Plant Total
Fluorides	lbs/TP <sub>2</sub> O <sub>5</sub>	--	--	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	41.6	46.7
	TPY	22.7	182.0	204.7

\*24-hour average

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				
Pollutant		Main Stack	R/G Stack	Plant Total
Fluorides	lbs/TP <sub>2</sub> O <sub>5</sub>	--	--	0.06
	lbs/hr	1.87 <i>0.781 max</i>	1.87 <i>1.990 max</i>	3.74
	TPY	8.2	8.2	16.4
Particulate Matter	lbs/hr	15.9 <i>12.194 max</i>	6.6 <i>3.392 max</i>	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

*2.771 TOTAL*  
*16.484 TOTAL*

Mr. C. Gene Meier  
 AC 53-210886  
 Permit Amendment  
 April 11, 1994  
 Page 3 of 5

DAP Production				
Pollutant		Main Stack	R/G Stack	Plant Total
Fluorides	lbs/TP <sub>2</sub> O <sub>5</sub>	--	--	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/m<sup>3</sup> (annual average) is not being exceeded and submit a report on these results to the Southwest District.

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 petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the applicant of the amendment request/application and the parties listed below must be filed within 14 days of receipt of this amendment. Petitions filed by other persons must be filed within 14 days of the amendment issuance or within 14 days of their receipt of this amendment, whichever occurs first. 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.



# Farmland Hydro, L.P.

Charles W. Jenkins  
Manager of Environmental and Safety Services



Sheep Bay Plant  
County Road 640  
Post Office Box 960  
Bartow, Florida 33831  
Tele: 941 533-1141  
Fax: 941 533-8793

V10  
V08

April 30, 1997

Mr. W. C. Thomas  
Florida Department of Environmental Protection  
Southwest District Office  
Division of Air Resources Management  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

RE: Amendment to Application for Title V Facility No. 1050053

Dear Mr. Thomas:

Our most recent North Granulation Plant stack compliance test involving the production of granular MAP yielded the following results for the pollutant fluoride:

RUN #	Dryer/Cooler Screen & Mills	Reactor/Gran. Stack	Total Plant	
	F - lb/hr	F - lb/hr	lb/hr	lb/ton
1	0.474	1.990	2.464	0.039
2	0.378	1.912	2.290	0.036
3	0.346	2.318	2.664	0.042
Ave.	0.400	2.073	2.473	0.039
Total Plant Permitted			3.740	0.060

In the original Construction Permit AC53-272210 and in the subsequent Operating Permit AO53-250142, an allocation of 1.87 pounds per hour was made for fluoride from each of these stacks. This allocation estimate was made based on our best engineering judgment. It was understood by us that the allocation of fluorides could be changed based on actual test data. This is not considered to be a significant issue, as the applicable standard is the NSPS of 0.06 pounds per ton of P<sub>2</sub>O<sub>5</sub> fed.

Fluoride emissions are the most unstable in the reaction part of the process and are subject to many variables. Some of these variables are the reaction temperature, the exact reaction nitrogen to phosphate mole ratio and, of course, the exact chemical composition of the acids used at the time.





I have prepared the following table of **individual run** stack emissions for fluorides for the previous three years.

### STACK RESULTS

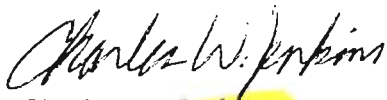
	DRYER STACK F - lb/hr	REACTOR/GRAN. F - lb/hr
	0.700	0.083
	0.645	0.074
	0.537	0.915
	0.710	1.056
	0.787	1.123
	0.753	0.290
	0.616	0.317
	0.781	0.061
	0.655	0.041
Average	0.687	0.440
Standard Deviation	0.082	0.458

You can see by these results the **unpredictability** of the **Reactor/Granulator stack**.

We would like to request an **amendment** to the current operating permit and the Title V application to reflect a combined emission of fluoride not to exceed **0.06** pounds per ton of  $P_2O_5$ , and **not have individual allocations**.

If you have any questions, please give me a call at (941) 533-1141, extension 334.

Sincerely,



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

CWJ:jp\112-97

cc: Merle Farris



# Department of Environmental Protection

ARMS EVENTS  
6/12/97

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

June 12, 1997

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Charles W. Jenkins  
Manager of Environmental and Safety Services  
Farmland Hydro, L.P.  
Post Office Box 640  
Bartow, Florida 33831

Re: Revision to Permit No. AC53-210886  
AIRS I.D. No. 1050053-015-AC

Dear Mr. Jenkins:

The Department has reviewed your request to amend the referenced permit for the North Monoammonium (MAP)/Diammonium (DAP) Granulation Plant by replacing the emission limits for the two stacks by one emission limit for the facility. Additional information is needed to process this request.

1. Your request addresses the fluoride standard only. Each stack also has a PM standard. Are you requesting a facility PM standard also?
2. Please provide a summary of all of the fluoride and particulate matter (PM) emission test results for each stack since the modifications authorized by permit No. AC53-210886 were completed. Include the product (MAP or DAP) and production rate during each test.
3. The hourly MAP and DAP production for this plant is limited by Specific Condition No. 8 of permit No. AC53-210886. Has the plant operated at its maximum permitted production limit? Are you planning on operating above these hourly rates if the facility wide standard is granted?

The Department will resume processing your application after receipt of the requested information. If you have any questions of this matter, please call Willard Hanks at 904/488-1344.

Sincerely,

A. A. Linero, P.E.  
Administrator  
New Source Review Section

AAL/wh/t

cc: Gerald Kissel, SWD

# Farmland Hydro, L.P.

Charles W. Jenkins  
Manager of Environmental and Safety Services



Superior Plant  
County Road 640  
Post Office Box 960  
Bartow, Florida 33831  
Tele: 941 533-1141  
Fax: 941 533-8793

June 16, 1997

RECEIVED

JUN 24 1997

BUREAU OF  
AIR REGULATION

Mr. A. A. Linero, P.E.  
Administrator  
Florida Department of Environmental Protection  
New Source Review Section  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

Events

① metal reports 6/26

② DID NOT SAY COMPLETE

RE: Revision to Permit No. AC53-210886

AIRS I.D. No. 1050053-029 015 029

Dear Mr. Linero:

The following information is offered in response to your letter of June 12, 1997. The specific request for additional information is repeated in italics and the appropriate answer follows each.

1. *Your request addresses the fluoride standard only. Each stack also has a PM standard. Are you requesting a facility PM standard also?*

Yes. The facility has two granulation trains, North and South. The most recent one to obtain a Construction Permit (AC53-272210 the South Train) has two stacks also, a Reactor/Granulator stack and a Dryer Stack. This most recent facility obtained limits for fluoride and particulate which apply to the combined stacks without individual allocation. We desire the same for this facility.

2. *Please provide a summary of all of the fluoride and particulate matter (PM) emission test results for each stack since the modifications authorized by permit No. AC53-210886 were completed. Include the product (MAP or DAP) and production rate during each test.*

See the enclosed tables.

3. *The hourly MAP and DAP production for this plant is limited by Specific Condition No. 8 of permit No. AC53-210886. Has the plant operated at its maximum permitted production limit? Are you planning on operating above these hourly rates if the facility wide standard is granted?*



A.A. Linero

2.

June 16, 1997

This plant has operated with DAP at a production rate maximum of 95% of Specific Condition No. 8 permitted limit of 100 TPH metric. The plant has been operated on MAP product at a maximum of the permitted rate of 120 TPH metric. We do not at this time request a rate change for this facility.

Should you have any questions or other concerns, please don't hesitate to call me at (941) 533-1141, extension 334.

Sincerely,



Charles W. Jenkins  
Manager of Environmental and Safety Services

CWJ:jp\158-97  
enc.

cc: W. Hanks, BAR  
S W D

GRANULATION NORTH STACK RESULTS  
MAP Product

STACK & EMISSION			STACK TEST YEAR			
			1994	1995	1996	1997
R	Reactor/Granulator	F - lb/hr	0.083	1.059	0.317	1.990
U	"	PM - lb/hr	0.940	2.266	2.588	1.490
N	"	Rate TPH	108.7	107.9	112.8	120.0
#1	"	Flow ACFM	57,089	63,677	52,521	62,359
R	Reactor/Granulator	F - lb/hr	0.074	1.123	0.061	1.912
U	"	PM - lb/hr	0.857	2.610	3.292	1.489
N	"	Rate TPH	108.7	107.9	112.8	120.0
#2	"	Flow ACFM	56,493	66,023	56,819	62,764
R	Reactor/Granulator	F - lb/hr	0.915	0.290	0.041	2.318
U	"	PM - lb/hr	1.570	1.846	2.121	1.538
N	"	Rate TPH	108.7	107.9	112.8	120.0
#3	"	Flow ACFM	56,523	64,102	56,057	61,339
R	Dryer/SM/Cooler	F - lb/hr	0.700	0.710	0.616	0.474
U	"	PM - lb/hr	5.413	13.194	6.240	2.096
N	"	Rate TPH	108.4	119.4	112.6	120.0
#1	"	Flow ACFM	141,806	142,741	126,320	166,537
R	Dryer/SM/Cooler	F - lb/hr	0.645	0.787	0.781	0.378
U	"	PM - lb/hr	7.192	6.780	8.691	2.741
N	"	Rate TPH	108.4	119.4	112.6	120.0
#2	"	Flow ACFM	142,105	140,974	126,587	169,063
R	Dryer/SM/Cooler	F - lb/hr	0.537	0.753	0.655	0.346
U	"	PM - lb/hr	5.024	11.493	8.596	2.967
N	"	Rate TPH	108.4	119.4	112.6	120.0
#3	"	Flow ACFM	142,102	143,552	128,203	167,088

GRANULATION NORTH STACK RESULTS  
DAP Product

STACK & EMISSION				STACK TEST YEAR			
				1994	1995	1996	1997
R	Reactor/Granulator	F - lb/hr	0.107	0.877	0.178	0.320	
U	"	PM - lb/hr	0.432	2.199	0.896	0.595	
N	"	Rate TPH	81.8	88.9	84.6	94.7	
#1	"	Flow ACFM	56,291	65,769	53,478	66,501	
R	Reactor/Granulator	F - lb/hr	0.152	0.432	0.127	0.186	
U	"	PM - lb/hr	0.688	3.083	0.978	0.185	
N	"	Rate TPH	81.8	88.9	84.6	94.7	
#2	"	Flow ACFM	58,206	66,223	53,370	67,615	
R	Reactor/Granulator	F - lb/hr	0.123	0.249	0.071	0.218	
U	"	PM - lb/hr	0.602	0.354	0.950	0.740	
N	"	Rate TPH	81.8	88.9	84.6	94.7	
#3	"	Flow ACFM	57,926	67,610	55,189	66,198	
R	Dryer/SM/Cooler	F - lb/hr	0.743	0.831	0.623	0.820	
U	"	PM - lb/hr	1.148	2.420	2.677	11.415	
N	"	Rate TPH	87.7	88.5	80.6	96.2	
#1	"	Flow ACFM	136,076	140,913	132,626	173,444	
R	Dryer/SM/Cooler	F - lb/hr	0.725	0.784	0.706	0.834	
U	"	PM - lb/hr	0.950	3.431	2.635	5.674	
N	"	Rate TPH	87.7	88.5	80.6	96.2	
#2	"	Flow ACFM	135,798	139,158	132,648	169,746	
R	Dryer/SM/Cooler	F - lb/hr	0.783	0.834	0.765	0.685	
U	"	PM - lb/hr	1.447	2.857	1.768	3.031	
N	"	Rate TPH	87.7	88.5	80.6	96.2	
#3	"	Flow ACFM	136,347	139,858	133,977	174,987	

# Farmland Hydro, L.P.

Charles W. Jenkins  
Manager of Environmental and Safety Services



Green Bay Plant  
County Road 640  
Post Office #301  
Bartow, Florida 33691  
Tele: 941 533-1141  
Fax: 941 533-8793

**RECEIVED**  
AUG 6 1997  
BUREAU OF  
AIR REGULATION

August 6, 1997

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

**RECEIVED**  
AUG 6 1997  
BUREAU OF  
AIR REGULATION

Attention: Kim Tober

**Re: Affidavit of Publication on Air Permit No. AC53-210886**

**RECEIVED**  
AUG 07 1997  
BUREAU OF  
AIR REGULATION

Dear Ms. Tober:

Enclosed please find the signed and notarized Affidavit of Publication for the above referenced Air Construction Permit modification. Please call me at (941) 533-1141, extension 334 with any questions or concerns regarding this matter.

Sincerely,

A handwritten signature in cursive script that reads "Charles W. Jenkins".

Charles W. Jenkins  
Manager of Environmental and Safety Services

CWJ:jp\200-97  
enc.

cc: Merle Farris

CC: W. Hanks, BAR  
B. Thomas, SWD  
EPA  
NPS





# AFFIDAVIT OF PUBLICATION

THE LEDGER  
Lakeland, Polk County, Florida

Case No .....

STATE OF FLORIDA)  
COUNTY OF POLK )

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

### Public Notice Of Intent

in the matter of .....

No. 1050053-015-AC(PSD-FL-186)

in the .....

Court, was published in said newspaper in the issues of .....

August 4;

1997

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 post office 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 .....

Nelson Kirkland  
Classified Advertising Manager  
By Nelson Kirkland who is  
personally known to me

4th

Sworn to and subscribed before me this .....

day of .....

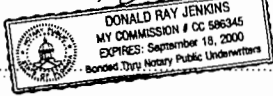
August .....

A. D. 19 .....

97

(Seal) .....

Donald Ray Jenkins  
Notary Public



My Commission Expires .....

Order#637937  
L

A527

### 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 Formand Hydro, L.P. for the North macadamium/gammunium prazosinate (MAP/DAP) plant located at the Green Bay Facility at 4390 County Road 640 West near Barlow in Polk County. The previous Best Available Control Technology (BACT) determination for fluoride emissions will be modified. The applicant's name and address are: Formand Hydro, L.P. Post Office Box 960 Barlow, Florida 33631.

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 require 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:

Pollutant	Maximum Emissions (lb/day)	Production (TPH)	Product
Fluoride	37.4	10.4	MAP
Particulate Matter	22.5	98.6	MAP
Fluoride	2.76	12.1	DAP
Particulate Matter	16.1	70.5	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 and 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, 2900 Bay Stone Road, Mail Station 45525, Tallahassee, Florida 32309-2400. 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, 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 435, 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 last. 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 (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 the 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 petition in compliance with Rule 28.5-201 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 Department's action or proposed action addressed in this notice of intent.

If 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 435, 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 the 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 location 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 selecting 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 32303  
Telephone: 850/488-1344  
Fax: 850/922-9979

Department of Environmental Protection  
Southwest District  
3834 Coconut Palm Drive  
Tallahassee, Florida 32310  
Telephone: 813/744-0100  
Fax: 813/744-0458

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 32303, or call 850/488-1344, for additional information.