



**KOGLER & ASSOCIATES**  
**ENVIRONMENTAL SERVICES**  
4014 NW THIRTEENTH STREET  
GAINESVILLE, FLORIDA 32609  
352/377-5822 • FAX/377-7158

**RECEIVED**

JUL 15 1998

BUREAU OF  
AIR REGULATION

KA 123-97-02

MEMORANDUM

TO: Cleve Holladay, FDEP  
FROM: Pradeep Raval  
DATE: July 13, 1998  
SUBJECT: Sulfuric Acid Plant No. 6  
Farmland Hydro, L.P.  
Polk County, Florida

PSD-FL-243

This is a follow up to our telephone conversation today regarding the measures to be taken by Farmland to preclude public access on to the plant property, as required in Specific Condition 15 of the draft permit.

To address your specific concern, Farmland will place "No Trespassing" signs, at 200 feet interval along the road to the south of the proposed plant (in front of the main offices).

It is our understanding that this information will enable you to issue the final permit.

If you have any questions, please call me.

par.

c: C. Jenkins, Farmland

# Farmland Hydro, L.P.

Charles W. Jenkins  
Manager of Environmental and Safety Services

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

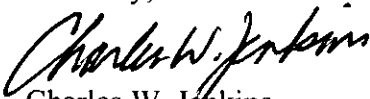
May 29, 1998

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

**RE: Affidavit of Publication on Air Permit No. 1050053-019-AC (PSD-FL-243)**

Enclosed please find the signed and notarized Affidavit of Publication for the above referenced Air Construction Permit. Please note the date of publication was Thursday, May 28, 1998. Should you have any questions or concerns regarding this matter, call me at (941) 533-1141, extension 334.

Sincerely,



Charles W. Jenkins  
Manager of Environmental and Safety Services

cc Merle Farris

**RECEIVED**

JUN 01 1998

BUREAU OF  
AIR REGULATION

cc: S. Arif, BAR  
A. Wines, BAR  
EPA  
SWD  
POLK Co.  
NRS



# 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 .....  
DEP File No. 1050053-019-AC (PSD-FL-243)

in the .....  
Court, was published in said newspaper in the issues of .....  
May 28;  
1998

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.

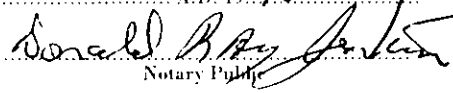
Signed   
Nelson Kirkland  
Classified Advertising Manager

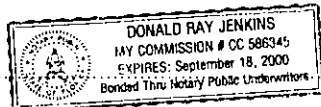
By Nelson Kirkland who is  
personally known to me

Sworn to and subscribed before me this 29<sup>th</sup>

day of MAY A.D. 19 98

(Seal)

  
Notary Public



My Commission Expires

Order#693274  
Farmland Hydro L.P.

### Attach Notice Here

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

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DEP File No. 1050053-019-AC (PSD-FL-243)

Farmland Hydro, L.P. 2750 OPD Sulfuric Acid Plant  
Polk County

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit to Farmland Hydro L.P. to construct a new 2750 tons per day (TPD) sulfuric acid plant (SAP 6) to replace the existing SAP 3 located at 4300 County Road 640 West near Barlow in Polk County. A Best Available Control Technology (BACT) determination was required for sulfur dioxide (SO<sub>2</sub>), sulfuric acid mist (SAM), and nitrogen oxides (NO<sub>x</sub>) pursuant to Rules 62 212.420, F.A.C. Prevention of Significant Deterioration (PSD). The applicant's name and address are: Farmland Hydro, L.P., 4300 County Road 640 West, Barlow, Florida 33830.

The new 2750 TPD SAP 6 will replace the existing 2100 TPD SAP 3 which will be permanently shut down. Control of SO<sub>2</sub> emissions is accomplished by the process itself, which is based on the conversion of SO<sub>2</sub> to SO<sub>3</sub> and subsequent recovery as sulfuric acid product. The second absorption tower improves the efficiency of the process and also serves as the pollution control equipment. The BACT emission limit for SO<sub>2</sub> was determined by the Department to be 3.5 pounds per ton of sulfuric acid produced. The high efficiency mist eliminators together with proper plant operation serve to minimize sulfuric acid mist (SAM) emissions. The nitrogen oxides (NO<sub>x</sub>) emissions will be minimized by good combustion practices.

Maximum annual SO<sub>2</sub> emissions will be 1757 tons per year (TPY) while SAM emissions will be 75 TPY. Annual NO<sub>x</sub> emissions will be approximately 60 TPY.

An air quality impact analysis was conducted. Emissions from the facility will not significantly contribute to or cause a violation of any state or federal ambient air quality standards. NO<sub>x</sub> emissions will not have a significant impact in the PSD Class II area. Therefore, no PSD Class II increment consumption for NO<sub>x</sub> was calculated. The maximum predicted PSD Class II increments of SO<sub>2</sub> consumed by all sources in the area including this project, will be as follows:

SO <sub>2</sub>	PSD Class II Increment Consumed (ug/m <sup>3</sup> )	Allowable Increment (ug/m <sup>3</sup> )	Increment Consumed (Percent)
3 hour	176	512	34
24 hour	56	91	62
Annual	0	20	0

The project has no significant impact on the PSD Class I Chassahowitzka National Wilderness Area. The Department will issue the FINAL Permit in accordance with the conditions of the DRAFT Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments and requests for public meetings concerning the proposed DRAFT Permit issuance action for a period of 30 (thirty) days from the date of publication of this Notice. Written comments and requests for public meetings should be provided to the Department's Bureau of Air Regulation, 2600 Bow 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, the Department shall issue a Revised DRAFT Permit and require, if applicable, another Public Notice.

The Department will issue FINAL Permit with the conditions of the DRAFT Permit unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S. The procedures for petitioning for a hearing are set forth below. Mediation is not available for this action.

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 the 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 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 motion in compliance with Rule 28.5207 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 petitioners, 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 its 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 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:

Dept. of Environmental Protection Bureau of Air Regulation 111 S. Magnolia Drive, Suite 4 Tallahassee, Florida 32301 Telephone: 850/488-1344 Fax: 850/222-6979	Dept. of Environmental Protection Southwest District Office 3804 Coconut Palm Drive Tampa, Florida 33619-8218 Telephone: 813/744-6100 Fax: 813/744-6084	Polk County Public Works Dept. Natural Resources & Drainage Division 4177 Ben Duran Road Barlow, Florida 33830 Telephone: 941/534-7377 Fax: 941/534-7374
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The complete project file includes the Draft Permit, the application, and the information submitted by the responsible officials, 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.  
B-502-5-28, 1998

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