



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

SEP 26 1995

RECEIVED

SEP 28 1995

Bureau of
Air Regulation

4APT-AEB

Mr. C. H. Fancy, P.E.
Chief
Bureau of Air Regulation
Florida Department of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

SUBJ: Osceola Power Limited Partnership (PSD-FL-197A)

Dear Mr. Fancy:

This is to acknowledge receipt of your preliminary determination and draft Prevention of Significant Deterioration (PSD) permit for the above referenced source by letter dated July 27, 1995. The proposed PSD permit modification will allow the source to construct a 74 MW cogeneration facility instead of the previously permitted 65 MW facility. We have reviewed the package as requested and have no adverse comments. If you have any questions on this determination, please contact Mr. Gregg Worley of my staff at (404) 347-3555, ext. 4139.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Jewell A. Harper".

Jewell A. Harper
Chief

Air Enforcement Branch
Air, Pesticides, and Toxics
Management Division

OSCEOLA POWER LIMITED PARTNERSHIP

P. O. BOX 679

PAHOKEE, FLORIDA 33476

TELEPHONE: (407) 924-7156 x4300

TRANSMITTAL SHEET

Bureau of
Air Regulation

FAX: (407) 924-7428

Date: 8/16/95

Reference: Permit

TO: FDEP/Bureau of Air Regulation ATTN: Cheri Tacey
2600 Blairstone Road
Tallahassee, Fl.

RE: Intent to Issue Permit
Proof of Publication

We are sending you with this letter by:

☐ Mail
☐ Fax
☐ Hand Carried

☐ Courier Second Day
☒ Courier Overnight
☐ Courier Priority Overnight

Copies

1

Description

Palm Beach Post Proof of
Publication - Permit # AC.50-219795
(Osceola Power Limited Partnership)

Comments:

Osceola Power Limited Partnership

By: Don Schaberg

Copy to: _____

THE PALM BEACH POST

Published Daily and Sunday
West Palm Beach, Palm Beach County, Florida

PROOF OF PUBLICATION

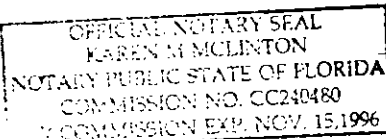
STATE OF FLORIDA
COUNTY OF PALM BEACH

Before the undersigned authority personally appeared Chris Bull
who on oath says that she/he is Class Adv Mgr of The Palm Beach Post,
a daily and Sunday newspaper published at West Palm Beach in Palm Beach County,
Florida; that the attached copy of advertising, being a Notice
in the matter of Intent to Issue Permit
in the _____ Court, was published in said newspaper in
the issues of August 5, 1995

Affiant further says that the said The Post is a newspaper published at West Palm Beach,
in said Palm Beach County, Florida, and that the said newspaper has heretofore been
continuously published in said Palm Beach County, Florida, daily and Sunday and has been
entered as second class mail matter at the post office in West Palm Beach, in said Palm Beach
County, Florida, for a period of one year next preceding the first publication of the attached
copy of advertisement; and affiant further says that she/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.

Chris Bull

Sworn to and subscribed before me this 08 day of August A.D. 19 95



Karen M. McLinton
Karen M. McLinton, Notary Public

Personally known XX or Produced Identification _____

Type of Identification Produced _____

NO. 115025
LEGAL NOTICE
STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL
PROTECTION
NOTICE OF INTENT
TO ISSUE PERMIT
FOR MODIFIED PROJECT
LAC 60-269980/PSD-FL-1974
The Department of Environmental Protection (Department) gives notice of its intent to issue a permit (modification or permit No. AC 50-219795) to Osceola Power Limited Partnership, P.O. Box 88, South Bay, Florida 33493, to build a 74 MW cogeneration plant that uses biomass (bagasse and wood waste material) as the primary fuel with No. 2 fuel oil and low sulfur coal (0.70 percent) as alternate fuels instead of the 60 MW unit previously described in the Notice of Intent to Issue Permit published on June 9, 1993. The proposed facility will be constructed at the Osceola Farms sugar mill located at the intersection of U.S. Highway 98 and Hatten Highway near Pahokee, Palm Beach County, Florida. The final configuration will consist of two (2) new 750 MMBtu/hr boilers for the proposed cogeneration facility, each using an electrostatic precipitator, a selective non-catalytic reduction system, and a carbon injection system to control air pollution. The two new boilers will replace 5 existing bagasse/No. 6 fuel oil fired boilers at the sugar mill. Each new boiler will emit up to 22.8 lbs/hr particulate matter, 636.0 lbs/hr sulfur dioxide, 5.30 lbs/hr sulfuric acid mist, 88.2 lbs/hr nitrogen oxides, 266.0 lbs/hr carbon monoxide, 12.7 lbs/hr fluorides, 0.0031 lbs/hr beryllium, 45.6 lbs/hr volatile organic compounds, and trace amounts of other criteria/non-criteria pollutants. The modified project (2 new cogeneration boilers replacing 5 existing bagasse/No. 6 oil fired boilers) will decrease net emissions of particulate matter (-213.5 TPY), PM10 (-182.9 TPY), and carbon monoxide (-4,555.9 TPY); but increase net emissions of nitrogen oxides (+39.3 TPY), volatile organic compounds (+10.5 TPY), sulfur dioxide (+160.5 TPY), beryllium (+0.00128 TPY), fluorides (+5.24 TPY), and sulfuric acid mist (+0.64 TPY). The increase in emissions are greater than the significant emission rates for sulfur dioxide, beryllium, and fluorides. Therefore, the project is subject to review under the Prevention of Significant Deterioration (PSD) regulations and the emission limits for these pollutants are established by a Best Available Control Technology (BACT) determination. The maximum predicted PSD Class II sulfur dioxide increments consumed after the modified project is constructed are as follows: 10.7 ug/m3, annual average, or 64% of the available annual increment; 76 ug/m3, 24-hour average, or 84% of the available 24-hour increment; and 191 ug/m3, 3-hour average, or 37% of the available 3-hour increment. The sulfur dioxide emissions from this modification will have no significant impact in the Class I Everglades National Park.

different from the notice, persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. The allowed time frame for such person has to request a hearing under Section 120.57, F.S., and to participate as a party to the proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 26-6.207, Florida Administrative Code. The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at: Department of Protection, Bureau of Air Regulation, 111 S. Magnolia Drive, Suite 4, Tallahassee, Florida 32301. Department of Protection, Environmental District Office, Southeast District Office, Suite A, West Palm Beach, Florida 33406. Department of Protection, South District Office, 2246 S.W. 14th Avenue, Suite 104, Fort Lauderdale, Florida 33301. Department of Protection, Palm Beach County Health Department, Division of Environmental Science and Engineering, 801 E. Evernia Street, West Palm Beach, Florida 33406. Any person may send written comments on the proposed action to Administrator, New Source Review, at the Department of Environmental Protection, Bureau of Air Regulation, Mail Station 6505, 2800 Blair Stone Road, Tallahassee, Florida 32399-2400. All comments received within 30 days of the publication of this notice will be considered in the Department's final determination. Further, a public hearing can be requested by any person(s). Such request must be submitted within 30 days of this notice. The Palm Beach Post, August 5, 1995.

The Department intends to issue a permit for the modified project because it will allow the facility to install the larger boilers available from the manufacturers without causing or contributing to a violation of any air quality standard, PSD increment or any other provision of Chapter 92-210 through 92-297 of the Florida Administrative Code. 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 (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 at 2800 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of publication of this notice. The 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 and administrative determination (hearing) under Section 120.57, F.S. The petition shall contain the following information: (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department permit file number and the county in which the project is proposed; (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 the petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action. If a petition is filed, the administrative hearing proceeding designed to formulate the Department's final action may be



August 15, 1995

Mr. A. A. Linero, P.E.
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Re: Osceola Power Limited Partnership
AC50-269980/PSD-FL-197A

Dear Mr. Linero,

The following comments are submitted on behalf of Osceola Power L.P. in regard to the recently issued technical evaluation and preliminary determination for the above referenced permit. Please consider these comments in issuing the final permit for the modification.

Technical Evaluation and Preliminary Determination (TE&PD)

The TE&PD states that PSD review applies for sulfur dioxide (SO₂), beryllium (Be) and fluorides (Fl). However, it is noted that the previous annual emissions for these pollutants have not increased. No new equipment is being installed compared to the original permit; only the heat input is increasing. Refinement of the original design has determined that higher steam production and heat input is achievable with the original boilers. The PSD rules state that actual emissions for a facility that has not yet begun operation are the allowable emissions of that facility (Rule 62-212). Therefore, the original allowable emissions are the PSD "baseline" emissions. On this basis, the proposed change does not represent a significant net increase in emissions, therefore PSD review is not triggered for the modification.

In addition, PSD review was already conducted for these pollutants in the original permitting, including a best available control technology (BACT) evaluation. Therefore, it is not appropriate to require PSD review again, and subject the facility to BACT review again, when control equipment and facility emissions are not increasing for SO₂, Be and Fl.

Draft Permit

Project Description- The No. 2 fuel oil tank will be of 50,000 gallons size, as stated in the application, not 15,000 gallons.

Specific Conditions:

S.C. 1: This condition allows the generating capacity to exceed 74 MW during scheduled emission compliance and equipment performance tests. In order to rule out the possibility of the facility being subject to the power plant siting act, it is requested that this provision be deleted. Therefore, it is requested that the phrase in the second sentence starting with "except during scheduled emission..." be deleted, as well as the third sentence in its entirety.

KBN ENGINEERING AND APPLIED SCIENCES, INC.

14380A/3
6241 Northwest 23rd Street,
Suite 500
Gainesville, Florida 32653-1500
904-336-5600 FAX 904-336-6603

5405 West Cypress Street,
Suite 215
Tampa, Florida 33607
813-287-1717 FAX 813-287-1716

1801 Clint Moore Road, Suite 105
Boca Raton, Florida 33487
407-994-9910
FAX 407-994-9393

7785 Baymeadows Way,
Suite 105
Jacksonville, Florida 32256
904-739-5600 FAX 904-739-7777

1616 'P' Street N.W., Suite 450
Washington, D.C. 20036
202-462-1100
FAX 202-462-2270

WH
RECEIVED

AUG 16 1995

Bureau of
Air Regulation



S.C. 11: Same comment as above regarding generating capacity.

S.C. 17: The stated steam production of 495,000 lb/hr (24-hr average) should read "570,000 lb/hr (24-hr average)", as stated in Section 4.0 of the application. It is also requested that the simultaneous operation of the new and existing boilers be changed from 90 days to 120 days. This is needed since the new boilers will be starting up at the beginning of the upcoming crops season, which may last up to 120 days, and the existing boilers may be operating during this time.

Thank you for consideration of these comments. If you have any questions, please call.

Sincerely,

David A. Buff

David A. Buff, P.E.
Florida P.E. #19011

DAB/arz

cc: Don Schaberg
File (2)

SEAL