

**FINAL DETERMINATION**  
Okeelanta Cogeneration Plant  
Modification – 74.9 “Net” MW Output

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**INTRODUCTION**

The Department distributed a public notice package on April 13, 2001 to Okeelanta Power L.P. for the cogeneration plant located in Palm Beach County, Florida. The applicant requested modification of the basis of the restriction on electrical generating capacity of the cogeneration plant from 74.9 MW (gross) output to 74.9 MW (net) output. The Public Notice of Intent to Issue Permit was published in the April 18, 2001 issue of The Palm Beach Post. The Department received the proof of publication on April 27, 2001.

**COMMENTS/CHANGES**

No comments on the Draft Permit were received from the public, the Palm Beach County Health Department, the Southeast District Office, EPA Region 4, or the National Park Service. The applicant made the following comments.

Comment: The applicant suggested adding natural gas as an authorized fuel in the text on the placard page.

Response: Permit modification PSD-FL-196L authorized natural gas as a supplemental fuel. The Department notes that the requested change is really beyond the scope of the applicant’s original request and that there are many places in the permit where this change could be made. The Department intends to update Permit No. PSD-FL-196 for such changes during the processing of pending Project No. 0990332-014-AC, an open application requesting modification of the CO and SO<sub>2</sub> standards.

**CONCLUSION**

The final action of the Department is to issue the Final Permit with only minor typographical changes.



# Department of Environmental Protection

Jeb Bush  
Governor

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

David B. Struhs  
Secretary

May 2, 2001

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Ricardo Lima, Vice President and General Manager  
Okeelanta Power L.P.  
8001 U.S. Highway 27 South  
South Bay, Florida 33493

RE: Okeelanta Cogeneration Facility  
Project No. 0990332-015-AC  
Air Permit No. PSD-FL-196N  
Permit Modification: 74.9 MW (Gross) Output to 74.9 MW (Net) Output

Dear Mr. Lima:

On March 26, 2001, the Department received your request to change the basis of the restriction on electrical generating capacity of the cogeneration plant from "gross" to "net" output. Based on the information provided and conversations with the Department's Bureau of Air Regulation and Siting Coordination Office, this request is approved. The permit is hereby modified as shown below.

*Page 1, Placard Page: The first sentence of the second paragraph is revised to:*

"A 74.9 megawatt (gross net) electric (1-hour average), cogeneration facility (biomass – bagasse and wood waste material as the primary fuel, No. 2 fuel oil as a supplementary fuel, and low sulfur coal as an alternate fuel) located at Okeelanta Corporation's sugar mill that is 6 miles south of South Bay, off U.S. Highway 27, Palm Beach County, Florida."

*Page 5, Construction Details, Specific Condition No. 1: The second sentence of this condition is revised to:*

"The facility shall be designed, constructed, and operated so that its gross net generating capacity shall not exceed 74.9 megawatt (MW), 1-hour average, ~~except that during scheduled emission compliance and equipment performance tests.~~"

*Page 7, Operational and Emission Restrictions, Specific Condition No. 11: The second sentence of this condition is revised to:*

"The facility shall not exceed 74.9 (gross net) megawatt generating capacity, 1-hour average, ~~except during emission compliance and equipment performance tests.~~"

This permit modification is issued pursuant to Chapter 403 of the Florida Statutes. Attached is original Permit No. PSD-FL-196 and a brief permitting history (Attachment A). A copy of this letter shall be filed with the referenced permit and shall become part of the permit.

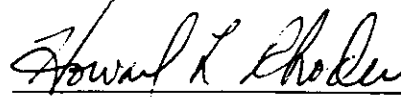
Any party to this order (permit modification) has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of

"More Protection, Less Process"

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Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty (30) days after this order is filed with the clerk of the Department.

Sincerely,



Howard L. Rhodes, Director  
Division of Air Resources Management

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Permit was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on 5/4/01 to the person(s) listed:

Mr. Ricardo Lima, OkPLP\*  
Mr. James Meriwether, OkPLP  
Mr. David Buff, Golder Associates  
Mr. David Dee, Landers and Parsons  
Mr. James Stormer, PBCHD  
Mr. Buck Oven, Siting Coordination Office  
Mr. Ron Blackburn, SD Office  
Mr. Gregg Worley, EPA Region 4  
Mr. John Bunyak, NPS

Clerk Stamp

**FILED AND ACKNOWLEDGMENT**  
**FILED**, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Charlotta J. Hayes 5/4/01  
(Clerk) Date

## ATTACHMENT A - PERMITTING HISTORY THROUGH APRIL 2001

**Air Permit No. PSD-FL-196:** Department issued original PSD permit on 09/27/93.

**Project No. 0990332-001-AC (PSD-FL-196A):** OkPLP requested a limit on yard trash of 30% by weight to avoid most of the applicable requirements of 40 CFR 60, Subpart Ea. Department issued modification on 02/20/96, which added specific condition 12A.

**Project No. 0990332-002-AC (PSD-FL-196B):** OkPLP requested an extension of time for the simultaneous operation of the cogeneration boilers with the sugar mill boilers in order to perfect the steam interconnection. Department issued modification on 06/14/96. Specific condition nos. 17 and 18 were revised to extend simultaneous operation beyond the first year of commercial startup of the cogeneration boilers to April 1, 1997. The permit required the sugar mill boilers to be rendered incapable of operation no later than January 1, 1999.

**Project No. 0990332-003-AC (PSD-FL-196C):** OkPLP requested approval to fire tire-derived fuel. Department issued modification on 01/22/97 to allow for a demonstration period to collect emissions data.

**Project No. 0990332-004-AC (PSD-FL-196D):** OkPLP requested a revision to the emission standard and testing requirements for sulfuric acid mist. Department issued modification on 04/18/97, which retained the emission standard, but revised the test method to 8 (modified).

**Project No. 0990332-005-AC (PSD-FL-196E):** OkPLP requested an extension of time for the simultaneous operation of the cogeneration boilers with the sugar mill boilers in order to perfect the steam interconnection. Department issued modification on 04/05/97. Specific condition nos. 17 and 18 were revised to extend simultaneous operation to April 1, 1998. The permit required the sugar mill boilers to be rendered incapable of operation no later than January 1, 1999.

**Project No. 0990332-006-AC (PSD-FL-196F):** OkPLP requested a modification of the emissions standards for carbon monoxide, lead, and mercury. Department issued modification on 10/24/97.

**Project No. 0990332-007-AC (PSD-FL-196G):** OkPLP requested amendment to specific condition #11 to clarify the performance test schedule. Department issued modification on 05/08/97.

**Project No. 0990332-008-AC (PSD-FL-196H):** OkPLP requested a revision to the 24-hour rolling average for determining peak electrical generation. Application was withdrawn on 02/03/97.

**Project No. 0990332-009-AC (PSD-FL-196I):** OkPLP requested an extension of time for the simultaneous operation of the cogeneration boilers with the sugar mill boilers in order to provide additional time to ensure that the interconnections (bagasse fuel and steam systems) were commercially and operationally reliable. Department issued modification on 06/16/98. Specific condition nos. 17 and 18 were revised to extend simultaneous operation to April 1, 2000. The permit required the sugar mill boilers to be rendered incapable of operation no later than April 1, 2001.

**Project No. 0990332-010-AC (PSD-FL-196J):** OkPLP requested a revision to the CO emissions standard. Department issued modification of the CO averaging period on 06/24/99.

**Project No. 0990332-011-AC (PSD-FL-196K):** OkPLP requested a modification to extend operation of Okeelanta Corporation's sugar mill boilers as standby units for the cogeneration boilers due to litigation with FPL. Department issued modification on 11/06/00.

**Project No. 0990332-012-AC:** OkPLP requested approval to install particulate dust collectors prior to the electrostatic precipitators. Department issued approval letter on 12/22/99. Approval incorporated into modification PSD-FL-196K.

**Project No. 0990332-012-AC (PSD-FL-196L):** OkPLP requested to add natural gas as a supplemental fuel to the biomass boilers. Department issued Final Permit in January 2001.

**Project No. 0990332-012-AC (PSD-FL-196M):** OkPLP requested modification of the CO and SO<sub>2</sub> emissions standards. This project is pending.

**Project No. 0990332-012-AC (PSD-FL-196N):** OkPLP requested modification to change restriction from 74.9 "Gross" MW Output to 74.9 "Net" MW Output. This is the current project.

Florida Department of  
Environmental Protection

Memorandum

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TO: Howard L. Rhodes  
THROUGH: Clair Fancy *CAF*  
Al Linero *AL* 5/3  
FROM: Jeff Koerner *JK*  
DATE: May 2, 2001  
SUBJECT: Project No. 0990332-015-AC  
Air Permit No. PSD-FL-196N  
Okeelanta Cogeneration Plant  
Permit Modification – Revise 74.9 MW (Gross) to 74.9 MW (Net) Output

The Final Permit modification is attached for your approval and signature for Okeelanta Power L.P.'s cogeneration plant located in Palm Beach County, Florida. The letter modification approves the request to revise the basis of the restriction on electrical generating capacity of the cogeneration plant from 74.9 MW (gross) output to 74.9 MW (net) output. The Public Notice of Intent to Issue Permit was published in the April 18, 2001 issue of The Palm Beach Post. As stated in the attached Final Determination, no comments on the Draft Permit were received from the public, the Palm Beach County Health Department, the Southeast District Office, EPA Region 4, or the National Park Service. The applicant made minor comments as discussed in the Final Determination. Only minor typographical changes were made.

I recommend your approval and signature. Day 90 for this project is July 20, 2001.

CHF/AAL/jfk

Attachments

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Ricardo Lima  
 Vice President & Gen. Mgr.  
 Okeelanta Power L.P.  
 8001 U.S. Highway 27 South  
 South Bay, FL 33493

2. Article Number (Copy from service label)  
 7000 0600 0026 4129 9464

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) *Kathleen Yerkes* B. Date of Delivery *5/16/01*

C. Signature *X Kathleen Yerkes*  Agent  Addressee

D. Is delivery address different from item 1?  Yes  No  
 If YES, enter delivery address below:

*P.O. Box 8  
 South Bay, FL 33493*

3. Service Type  
 Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes

**U.S. Postal Service  
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Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

*Kathleen Yerkes*  
 Postmark  
 Here

Recipient's Name (Please Print Clearly) (to be completed by mailer)  
*Mr. Ricardo Lima*  
 Street, P.O. No. or P.O. Box No.  
*8001 U.S. Highway 27 South*  
 City, State, ZIP+4  
*South Bay, FL 33493*