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3. Article Addressed to: W. Jeffrey Pardue, Director Florida Power Corp. 3201 34th St. South St. Petersburg, FL 33733	4a. Article Number P 265 659 313	
	4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
	7. Date of Delivery MAR 18 1998	
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PS Form 3811, December 1994 Domestic Return Receipt

P 265 659 313

US Postal Service
Receipt for Certified Mail
 No Insurance Coverage Provided.
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Sent to	<i>Jeffrey Pardue</i>
Street & Number	<i>3201 34th St</i>
Post-Office, State, & ZIP Code	<i>St. Pete, FL</i>
Postage	\$
Certified Fee	
Special Delivery Fee	
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Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	<i>PSD-A-140(b) 3-16-98</i>

PS Form 3800, April 1995



Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

March 11, 1998

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

W. Jeffrey Pardue, Director
Environmental Services Department
Florida Power Corporation
3201 34th Street South
St. Petersburg, Florida 33733

Re: DEP File Nos. AC53-214903 and PSD-FL-190(D)
Tiger Bay Power Plant - 270 MW Cogen Unit
Increased Steam Electrical Power Generation

Dear Mr. Pardue:

Enclosed is one copy of the Draft Air Construction Permit Modification to increase steam electrical power generation at the cogeneration facility located near Ft. Meade, 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 other questions, please contact Mrs. Teresa Heron or Mr. Linero at 850/488-1344.

Sincerely,

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

CHF/aal/th
Enclosures

In the Matter of an
Application for Permit Modification by:

Mr. W. Jeffrey Pardue, CEP, Director
Environmental Services Department
Florida Power Corporation
3201 34th Street South
St. Petersburg, Florida 33733

Facility ID. No. 1050223
AC-53-214903/PSD-FL-190(D)
Tiger Bay Cogen Facility
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, Florida Power Corporation, applied on February 16, 1998 to the Department for an air construction permit modification for its Tiger Bay Cogen Combined Cycle Unit located five miles west of Ft. Meade, Polk County. The requested permit modification is to increase electrical power generation from the steam turbine from 74 to 86 megawatts (MW) and from the entire unit from 258 to 270 MW.

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 is required to operate the facility as described.

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. 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: 850/488-9730, 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 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.

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 3-16-98 to the person(s) listed:

- Mr. W. Jeffrey Pardue, FPC*
- Mr. Brian Beals, EPA Region 4
- Mr. John Bunyak, NPS
- Mr. Bill Thomas, SWD
- Mr. Joe King, Polk County

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.

Keni Jaber 3-16-98
(Clerk) (Date)

PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT MODIFICATION

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DEP File Nos. AC 53-214903 and PSD-FI-190(D)

Florida Power Corporation
Tiger Bay Power Plant - 270 MW Cogen Unit
Polk County

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit modification to Florida Power Corporation (FPC) to increase steam electrical power generation from 74 to 86 megawatts (MW) and total electrical power generation from 258 to 270 MW at its cogeneration facility located five miles west of Fort Meade, Polk County. A Best Available Control Technology (BACT) determination was not required pursuant to Rules 62-212.400 and 410, F.A.C., or 40 CFR 52.21, Prevention of Significant Deterioration (PSD). The applicant's name and address are: Florida Power Corporation, 3201 34th Street South, St. Petersburg, Florida 33733.

Originally the combined cycle unit was permitted to produce 258 MW of electricity (184MW combustion turbine and 74 MW steam turbine). The steam turbine was operationally limited by the previous owner, DESTEC, to 74 MW so the construction and operation of the plant were not subject to the Power Plant Site Certification (PPSA) requirements. The new owner, FPC, has submitted the project for a separate review under the PPSA.

According to the FPC and DESTEC, the steam electrical generation portion of the unit can produce more steam than necessary to generate 74 MW. Excess steam, beyond the amount required to produce 74 MW, was either wasted or provided to sold to other users. Excess steam will, instead, be used to produce additional electricity.

According to the applicant, there will be no additional fuel or water consumption and no emissions increases resulting from the change. The unit will continue to comply with the previous PSD permit conditions and BACT determination. The unit burns natural gas, an inherently clean fuel. Nitrogen oxides are to be controlled by either Dry Low NOx combustion or selective catalytic reduction.

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. 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 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 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 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 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
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619-8218
Telephone: 850/744-6100
Fax: 850/744-6084

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

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.

DRAFT

April XX, 1998

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

W. Jeffrey Pardue, Director
Environmental Services Department
Florida Power Corporation
3201 34th Street South
St. Petersburg, Florida 33733

Re: DEP File No. AC53-214903/PSD-FL-190(D)
Tiger Bay Power Plant - 270 MW Cogen Unit

Dear Mr. Pardue:

The Department has reviewed your February 16, 1998 letter requesting modification of construction permit No. AC-53-214903 (PSD-FL-190) to increase power generation from the above mentioned combined cycle combustion unit from 258 to 270 MW. The original operator, DESTEC, limited electrical generation from the steam turbine to 74 MW, so the construction and operation of the plant were not subject to the Power Plant Certification (PPSA) requirements.

It is our understanding from FPC and DESTEC that the unit is capable of producing and has produced more steam than necessary to generate 74 MW and that the excess steam was either wasted or sold to other users. Therefore, the diversion of the excess steam to additional electrical production will not result in increased fuel or water consumption or increased emissions.

This request is acceptable. No changes to the permit are required except that all references to this permit, BACT determination and related permitting documents are hereby revised as follows:

FROM:

258 MW Combined Cycle System: 184 MW combustion turbine and 74 MW steam generator unit

TO:

270 MW Combined Cycle System: 184 MW combustion turbine and 86 MW steam generator unit

A copy of this letter shall be filed with the referenced permit and shall become part of the permit. This permit modification is issued pursuant to Chapter 403, Florida Statutes. Any party to this order (permit modification) has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Legal Office; and by filing a copy of

DRAFT

the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 (thirty) days from the date this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

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 MODIFICATION (including the FINAL permit modification) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on _____ to the person(s) listed:

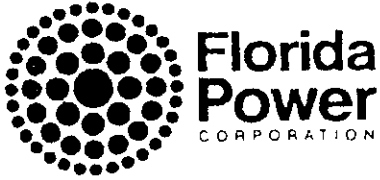
Mr. W. Jeffrey Pardue, FPC*
Mr. Dario Zuloaga, P.E., FPC
Mr. Brian Beals, EPA Region 4
Mr. John Bunyak, NPS
Mr. Buck Oven, DEP
Mr. Bill Thomas, SWD
Mr. Joe King, Polk County

Clerk Stamp

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

(Clerk)

(Date)



RECEIVED

FEB 18 1998

BUREAU OF
AIR REGULATION

February 16, 1998

Mr. Al Linero, P.E.
Administrator, New Source Review Section
Bureau of Air Regulation
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399

Dear Mr. Linero:

Re: Tiger Bay Cogen Facility

As you know, the Tiger Bay Cogeneration Facility was purchased by Florida Power Corporation (FPC) from DESTEC in 1997. FPC is in the process of obtaining a site certification for an additional 10.5 megawatts (MW) of steam electric capacity. This reflects the actual steam capacity of the unit, which is a nominal 85.5 MW.

This change necessitates a corresponding amendment language contained in the BACT determination in order to reflect the unit's actual capacity. References to the steam turbine capacity in the final BACT determination should be changed to reflect the nominal 85.5 MW capacity. The combustion turbine has a nominal capacity of 184 MW, which combined with the nominal 85.5 MW capacity of the steam turbine, results in a total plant capacity of 269.5 MW. Attachment 1 contains a P.E.-certified certification of the capacity of the steam turbine. A check in the amount of \$250 is enclosed for the processing of this amendment.

Thank you for your processing of this request. Please contact Mr. Mike Kennedy at (813) 866-4344 if you have any questions or comments.

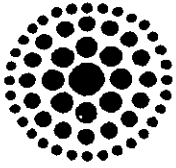
Sincerely,

A handwritten signature in black ink, appearing to read "W. Pardue", written over a circular scribble.

W. Jeffrey Pardue, C.E.P.
Director

cc: J. Hewon, BAR

Attachments



Florida
Power
CORPORATION

INTEROFFICE CORRESPONDENCE

Performance Services

OFFICE

MAC

MAC

231-5292

TELEPHONE

SUBJECT: Tiger Bay Steam Turbine Capabilities

TO: Michael J. Kennedy

DATE: November 20, 1997

Performance Services has reviewed the design specifications for the steam turbine at Tiger Bay and concluded that the steam turbine is capable of operating continuously at 105 percent of initial pressure (1537.5 psia) with control valves wide open. We expect to generate 87.4 gross megawatts at the following steam inlet conditions:

- steam flow of 549,675 lbs/hr
- Throttle steam pressure of 1537.5 psia
- Throttle steam temperature of 1000 deg F
- Exhausting to 1.62 psia

If you have any further questions concerning Tiger Bay, please call me at Ext. 231-5292.

Dario B. Zuloaga
Dario B. Zuloaga, P.E.
License # 0032729 (FL)
Lead Principal Engineer
Performance Services

cc: Bob Anderson

Florida Department of
Environmental Protection

Memorandum

TO: Clair Fancy
THRU: Al Linero *AA Linero 3/11*
FROM: Teresa Heron
DATE: March 11, 1998
SUBJECT: FPC/Tiger Bay Combined Cycle Power Plant
Modification of Permit AC 53-214903/PSD-FL-190(D)

Attached is a draft permit amendment increasing the steam electrical power generating capacity of this plant from 74 to 86 MW and the total electrical power generating capacity from 258 MW to 270 MW.

Originally the steam turbine portion of the unit was operationally limited by its previous owner (DESTEC) to 74 MW, so the construction and operation of the plant were not subject to the Power Plant Site Certification (PPSA) requirements. According to the company, the steam portion generates steam beyond the amount required to produce 74 MW of electricity. Excess steam was generated and wasted or sold to customers such as IMC Agrico. Now the excess steam will also make electricity.

FPC claims that there will not be emissions due to making additional electricity from the excess steam. FPC provided an engineer's assessment of the physical capability of the unit. It is consistent with the requested permit change.

I recommend your approval and signature

AAL/th

Attachment

3/13 AL, TERESA —

*BUCK SAYS NOT TO ISSUE FINAL
UNTIL AFTER CERTIFICATION IS FINAL
NEED TO SEND BUCK A COPY OF THIS
Clan*