



**Florida
Power**
CORPORATION

RECEIVED
JUL 14 1997
Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

July 9, 1997

Mr. Brian J. McLean
US EPA
Acid Rain Division (M/C 6204J)
401 M Street, SW
Washington, D.C. 20460

Dear Mr. McLean:

Re: Commercial Operation Notification - ORIS number (not issued)

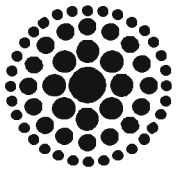
As required by 40 CFR Part 75.61(2)(a), Florida Power Corporation (FPC) is providing renotification of a change to the anticipated commencement of commercial operation date for the Tiger Bay Cogeneration Facility, located in Fort Meade, FL. FPC is acquiring this unit from Tiger Bay Limited Partnership. FPC anticipates commercial operation of Unit 1 to begin on the date of closing which is scheduled for July 15, 1997. This date is a change from the previously notified date of July 14.

If you have any questions, please feel free to contact Jennifer L. Tillman at (813) 866-5022.

Sincerely,

W. Jeffrey Pardue, C.E.P.
Designated Representative

cc: Mr. David McNeal - EPA, Region IV
Mr. Mike Harley, Florida DEP-Tallahassee
Mr. Jerry Kissel, Florida DEP-Southwest District



**Florida
Power**
CORPORATION

fto

June 9, 1997

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JUN 11 1997
DEP

Mr. Brian J. McLean
US EPA
Acid Rain Division (M/C 6204J)
401 M Street, SW
Washington, D.C. 20460

Dear Mr. McLean:

Re: Commercial Operation Notification - ORIS number (not issued)

As required by 40 CFR Part 75.61(2)(a), Florida Power Corporation (FPC) is providing renotification of a change to the anticipated commencement of commercial operation date for the Tiger Bay Cogeneration Facility, located in Fort Meade, FL. FPC is acquiring this unit from Tiger Bay Limited Partnership. FPC anticipates commercial operation of Unit 1 to begin on the date of closing which is scheduled for July 14, 1997. This date is a change from the previously notified date of July 1. This date will be subject to revision pending the actual date of closing.

If you have any questions, please feel free to contact Jennifer L. Tillman at (813) 866-5022.

Sincerely,

W. Jeffrey Pardue, C.E.P.
Designated Representative

cc: Mr. David McNeal - EPA, Region IV
Mr. Mike Harley, Florida DEP-Tallahassee
Mr. Jerry Kissel, Florida DEP-Southwest District

Date: 6/19/97 8:55:01 AM
From: Hamilton Buck Oven TAL
Subject: FPC Tiger Bay Cogen Project

FPC is buying the Tiger Bay Cogeneration Project in Polk County. It is an existing, gas-fired, combined cycle generating facility, permitted at 74.9 MW of steam electric capacity. The turbine can achieve 83 MW. FPC wants to use all 83 MW. To do this, they must go through the PPSA process. We are having a preapplication meeting on June 23rd at 1:30, Room 638A, Twin Towers. We will try to work out an abbreviated processing schedule since the plant is already in operation.

Title V by Tally?

Telephone call in Number - SunCOM 291-2591, or 904 921-2591

Conformation No. W300618

June 12, 1992

Mr. Clair Fancy
Bureau of Air Regulation
Florida Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Re: Central Florida Power Limited Partnership

Dear Clair:

Please find enclosed five copies of air construction permit application and prevention of significant deterioration analysis for a 206-MW cogeneration facility. A fee of \$7,500 is enclosed to cover the appropriate permit fees for the facility. Disk and paper copies of the computer printouts of the air quality modeling results are included. The engineering calculations of the emission rates are presented in Appendix A. Also, a disk copy of these calculations has been included.

I will be contacting you in a few weeks to review the initial comments your staff may have. In the meantime, please call if you have any questions.

Sincerely,

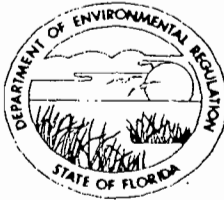


Robert S. Chatham, P.E.
Senior Environmental Engineer

RSC/dmm

cc: Kennard F. Kosky, KBN
Barry Andrews, FDER
File (2)

12018C1/NKC1



RECEIVED
FEB 17 1995
Dep. Environmental Protection
BY SOUTHWEST DISTRICT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
AIR POLLUTION SOURCES
CERTIFICATE OF COMPLETION OF CONSTRUCTION

PERMIT NO. AC53-214903/PSD-FL-190 DATE: 02/13/95

Company Name: Tiger Bay Limited Partnership County: Polk

Source Identification(s): Tiger Bay Cogeneration Facility

Actual costs of serving pollution control purpose: \$ 1,000,000

Operating Rates: up to 1,614.8 x 10⁶ Btu/hr (LHV) at 27°F Design Capacity: 1,614.8 x 10⁶ Btu/hr (LHV)

Expected Normal 1,450 x 10⁶ Btu/hr (LHV) at 72°F During Compliance Test 1,425 x 10⁶ Btu/hr (LHV) at 75.2°F

Date of Compliance Test October 19-22, 1995 (Attach detailed test report)*

Test Results: Pollutant Actual Discharge Allowed Discharge

Pollutant	Actual Discharge	Allowed Discharge
<u>NO_x</u>	<u>16 ppmvd @ 15% O₂/98.5 lb/hr</u>	<u>25 ppmvd @ 15% O₂/161.9 lb/hr</u>
<u>CO</u>	<u>1 ppmvd / 3 lb/hr</u>	<u>15 ppmvd / 48.8 lb/hr</u>
<u>VOC</u>	<u>0.0 ppmvd / 0 lb/hr</u>	<u>2.8 lb/hr</u>

Date plant placed in operation: 1/1/95

This is to certify that, with the exception of deviations noted, the construction of the project has been completed in accordance with the application to construct and Construction Permit No. AC53-214903/PSD-FL-190 dated 05/17/93.

A. Applicant:
J.D. Sellers, Plant Manager
Name of Person Signing (Type)

J.D. Sellers, Pkt. Mgr.
Signature of Owner or Authorized Representative and Title

Date: 02/13/95 Telephone: (813) 285-1200

B: Professional Engineer:
Kennard F. Kosky
Name of Person Signing (Type)

Kennard F. Kosky
Signature of Professional Engineer

KBN Engineering and Applied Sciences, Inc.
Company Name

Florida Registration No. 14996

6241 NW 23rd St. Gainesville, FL 32653-1500
Mailing Address

Date: 02/13/95

(904) 336-5600
Telephone Number

(Seal)
244

*This form, satisfactorily completed, submitted in conjunction with an existing application to construct permit and payment of application processing fee will be accepted in lieu of an application to operate.

**As built, if not built as indicated include process flow sketch, plot plan sketch, and updates of applicable pages of application form.



Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

February 19, 1996

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Jeffrey J. Fassett
Senior Plant Engineer
Tiger Bay Cogen
3219 State Road 630 West
Fort Meade, Florida 33841

Dear Mr. Fassett:

Re: Amendment of Permits AC53-214903, PSD-FL-190(A). AIRS ID NO. 1050223-001-AC

Attached is one copy of the Proposed Permit Amendment, Intent to Issue and Notice of Intent to Issue Permit Amendment for publication by Tiger Bay for the above referenced emissions unit.

Please submit any comments you may have concerning the Department's proposed action to Mr. A. A. Linero, P.E., Administrator at the above address. If you have any questions, please call Teresa Heron or Kanani K. Winans at (904) 488-1344.

Sincerely,

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

CHF/th/t

cc: T. Ellison, SWD
J. Harper, EPA
J. Bunyak, NPS
J. Benedetti, DESTEC



Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

February xx, 1996

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Jeffrey J. Fassett
Senior Plant Engineer
Tiger Bay Cogen
3219 State Road 630 West
Fort Meade, Florida 33841

DRAFT

Dear Mr. Fassett:

Re: Amendment of Permits AC53-214903, PSD-FL-190(A) - AIRS ID NO. 1050223-001-AC
Tiger Bay Cogen, Combined Cycle Unit

The Department has reviewed your letters dated January 18 and January 24 requesting an increase in the allowable heat input rate to produce 184 MW of electrical power from the combustion turbine. The above referenced permit is hereby amended as follows:

From:

Specific Condition:

5. The permitted materials and utilization rates for the combined cycle gas turbine system shall be as stated in the application. The operation parameters include, but are not limited to:

184MW Combustion Turbine

- a) The maximum heat input of 1849.9 MMBtu/hr (LHV) at 27°F and at base load for distillate fuel oil.
- b) The maximum heat input of 1614.8 MMBtu/hr (LHV) at 27°F and at base load for natural gas.

Duct Burner

- c) The maximum heat input of 100 MMBtu/hr (HHV) of natural gas.

To:

Specific Condition:

5. The permitted materials and utilization rates for the combined cycle gas turbine system shall be as stated in the application. The operation parameters include, but are not limited to:

184MW Combustion Turbine

- a) The maximum heat input of 1849.9 MMBtu/hr (LHV) at 27°F and at base load for distillate fuel oil.
- b) The maximum heat input of 1710 MMBtu/hr and at base load for natural gas.

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Printed on recycled paper.

Jeffrey J. Fassett
Page Two

DRAFT

Duct Burner

- c) The maximum heat input of 100 MMBtu/hr (HHV) of natural gas.

A copy of this amendment letter shall be attached to and shall become a part of Air Construction Permit.

Sincerely,

Howard Rhodes, Director
Division of Air Resources
Management

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this PERMIT AMENDMENT and all copies were mailed by certified mail before the close of business on _____ to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to §120.52(11), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk

Date

Copies to be furnished to:
T. Ellison, SWD
J. Harper, EPA
J. Bunyak, NPS
J. Benedetti, DESTEC

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CERTIFIED MAIL

In the matter of an
Application for Permit by:

DEP AIRS ID NO. 1050223-001-AC
Polk County

Jeffrey J. Fassett
Senior Plant Engineer
Tiger Bay Cogen
3219 State Road 630 West
Fort Meade, Florida 33841

INTENT TO ISSUE PERMIT AMENDMENT

The Department of Environmental Protection (Department) gives notice of its intent to issue a permit amendment (copy attached) to the applicant as detailed in the application/request specified above for the reasons stated below.

The applicant, Tiger Bay Limited Partnership (Tiger Bay), requested that the Department modify Specific Condition No. 5.b. for the facility referenced above located at 3219 State Road 630 West in Fort Meade, Florida.

The Department has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), and Chapters 62-212 and 62-4, Florida Administrative Code (F.A.C.). The project is not exempt from permitting procedures. The Department has determined that a permit amendment is required for the proposed work.

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 Notice of Intent to Issue Permit Amendment. The notice shall be published one time only within 30 days in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "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. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 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 amendment.

The Department will issue the permit amendment with the attached conditions unless a petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S.

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, 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 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant and the parties listed below must be filed within 14 days of receipt of this intent. Petitions filed by other persons must be filed within 14 days of publication of the public notice or within 14 days of their receipt of this intent, whichever first occurs. 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, 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 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 process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this intent. Persons whose substantial interests will be affected by any decision of the Department with regard to the application/request 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 receipt of this intent in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



C. H. Fancy, P.E., Chief
Bureau of Air Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399
904-488-1344

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed by certified mail before the close of business on 2-19-96 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52(11), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Karin Ober 2-19-96
Clerk Date

Copies to be furnished to:

- T. Ellison, SWD
- J. Harper, EPA
- J. Bunyak, NPS
- J. Benedetti, DESTEC

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF INTENT TO ISSUE PERMIT AMENDMENT

AIRS ID 1050223-001-AC

The Department of Environmental Protection (Department) gives notice of its intent to issue a permit amendment to Tiger Bay Limited Partnership, 3219 State Road 630 West, Fort Meade, Polk County, Florida 33841. This amendment is to increase the allowable heat input from 1615 million Btu per hour lower heating value at 27°F to 1710 million BTU per hour to its combustion turbine located at the Tiger Bay Cogeneration facility in Fort Meade. The change will allow the company to continue to generate 184 megawatts of electric power under very low temperature conditions. There will be no increase in allowable air pollution emission limits. Any increase in actual emissions resulting from operating at very low temperature conditions will be minimal and of short duration.

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 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of publication of this notice. 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, 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 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.

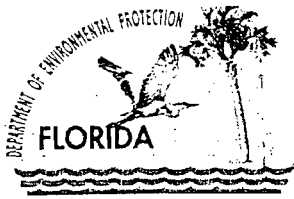
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application/request 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. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, Florida Administrative Code.

The application/request 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 32301

Department of Environmental Protection
Southwest District
3809 Coconut Palm Drive
Tampa, Florida 33619-8218

Any person may send written comments on the proposed action to Administrator, New Source Review Section at the Department's Tallahassee address. All comments received within 14 days of the publication of this notice will be considered in the Department's final determination.



Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

October 14, 1997

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

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

Re: Permit Amendment No. 1050223-006-AC
Permit Nos. PSD-FL-190 / AC53-214903
Tiger Bay Power Plant
Changes To Testing Conditions

Dear Mr. Pardue:

Enclosed is one copy of the Draft Air Construction Permit Amendment for the Tiger Bay Power Plant located near Fort Meade, Polk County. The Department's Intent to Issue Air Construction Permit Amendment and the "PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT AMENDMENT" are also included.

The "PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT AMENDMENT" 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 amendment.

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 Martin Costello or Mr. Linero at 850/488-1344.

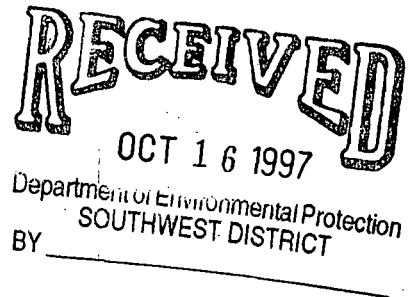
Sincerely,

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

CHF/mc

Enclosures

"Protect, Conserve and Manage Florida's Environment and Natural Resources"



In the Matter of an
Application for Permit Amendment by:

Florida Power Corporation
3201 34th Street South
St. Petersburg, FL 33733

DRAFT Permit Amendment No. 1050223-006-AC
Permit No. PSD-FL-190 / AC53-214903
Tiger Bay Power Plant
Polk County

INTENT TO ISSUE AIR CONSTRUCTION PERMIT AMENDMENT

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit amendment (copy of DRAFT Permit amendment attached) for the proposed project, as detailed in the application specified above, for the reasons stated below.

The applicant, Florida Power Corporation, applied on September 12, 1997 to the Department for an air construction permit amendment for its Tiger Bay Power Plant located near Ft. Meade, Polk County.

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 amendment is required to waive the annual testing of volatile organic compounds (VOC) using Method 25A when testing for carbon monoxide (CO) is within limits, and to allow the use of EPA Method 3A for determining oxygen concentrations.

The Department intends to issue this air construction permit amendment 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 AMENDMENT". 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 amendment pursuant to Rule 62-103.150 (6), F.A.C.

The Department will issue the FINAL Permit Amendment, in accordance with the conditions of the enclosed DRAFT Permit Amendment 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 Amendment issuance action for a period of 14 (fourteen) days from the date of publication of "PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT AMENDMENT." Any 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 Amendment, the Department shall issue a Revised DRAFT Permit Amendment and require, if applicable, another Public Notice.

The Department will issue the permit amendment 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.

Martin Costello for

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 AMENDMENT (including the PUBLIC NOTICE, and DRAFT permit amendment) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 10-14-97 to the person(s) listed:

- Mr. W. Jeffrey Pardue, FPC*
- Mr. Brian Beals, EPA Region 4
- Mr. Bill Thomas, SWD
- Mr. Roy Harwood, 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.

Kum Jober
(Clerk)

10-14-97
(Date)

**NOTICE TO BE PUBLISHED
IN THE NEWSPAPER**

PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT AMENDMENT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DRAFT Permit Amendment No. 1050223-006-AC, (PSD-FL-190)
Tiger Bay Power Plant
Polk County

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit amendment to Florida Power Corporation's requested changes in certain emission testing requirements at the Tiger Bay Power Plant located near Fort Meade, Polk County. The facility consists of a 258 megawatt gas and oil fired combustion turbine with a heat recovery steam generator and duct burner. A Best Available Control Technology (BACT) determination was not required pursuant to Rule 62-212.400, F.A.C. and 40 CFR 52.21, Prevention of Significant Deterioration (PSD). The amendment will not result in an increase in any emissions from the facility, and will not cause a violation of any state or federal ambient air quality standards or increments. The applicant's name and address are: Florida Power Corporation, 3201 34th Street South, St. Petersburg, FL 33733.

This amendment clarifies when annual testing for volatile organic compounds is required and that EPA Method 3A is an acceptable alternate for Method 3 for determining oxygen concentrations.

The Department will issue the FINAL Permit Amendment, in accordance with the conditions of the DRAFT Permit Amendment 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 Amendment issuance action for a period of 14 (fourteen) days from the date of publication of this Notice. Any 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 Amendment, the Department shall issue a Revised DRAFT Permit Amendment and require, if applicable, another Public Notice.

The Department will issue FINAL Permit Amendment with the conditions of the DRAFT Permit Amendment 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

**NOTICE TO BE PUBLISHED
IN THE NEWSPAPER**

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

Department of Environmental Protection
Southwest District Office
Air Permitting Section
3804 Coconut Palm Drive
Tampa, Florida, 33619
Telephone(813) 744-6100
Fax: (813) 744-6084

The complete project file includes the Draft Permit Amendment, 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.



Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

November xx, 1997

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

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

DRAFT

Re: Permit Amendment No. 1050223-006-AC
Permit Nos. PSD-FL-190 / AC53-214903
Tiger Bay Power Plant
Changes To Testing Conditions

Dear Mr. Pardue:

The Department has reviewed your September 11 letter requesting an amendment to the above referenced permit for VOC testing and the use of Method 3A for determination of oxygen concentration. This request is acceptable and the permit is hereby amended as follows:

The following shall be added to the end of Specific Condition 8:

Annual VOC testing on the CT and duct burner shall be conducted using only Method 25A (Method 18 is not required) however the annual VOC testing shall not be required provided that the annual CO test demonstrates emissions below the CO limits in Table 1. Method 3A may be substituted for Method 3 to determine oxygen concentrations.

A copy of this letter shall be filed with the referenced permit and shall become part of the permit.

This permit amendment is issued pursuant to Chapter 403, Florida Statutes. Any party to this order (permit amendment) 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 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.

Sincerely,

DRAFT

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 AMENDMENT (including the FINAL permit amendment) 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. Brian Beals, EPA Region 4
- Mr. Bill Thomas, SWD
- Mr. Roy Harwood, 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.

(Clerk)

(Date)

AFFIDAVIT OF PUBLICATION

THE LEDGER

Lakeland, Polk County, Florida

RECEIVED
APR 25 1996
BUREAU OF
AIR REGULATION

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

Notice of Intent

in the matter of

Issue Permit Amendment Airs ID 1050223-001-AC


in the

Court, was published in said newspaper in the issues of

February 23;

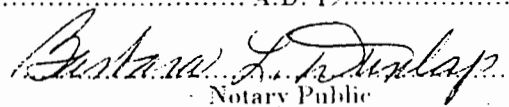
1996

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

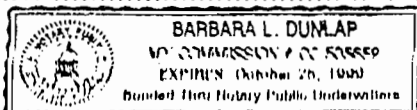
Sworn to and subscribed before me this 23rd

day of February 19 96 A.D.

(Seal) 
Notary Public

My Commission Expires

Order #
552237



F 827

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF INTENT TO ISSUE PERMIT AMENDMENT
AIRS ID 1050223-001-AC

The Department of Environmental Protection (Department) gives notice of its intent to issue a permit amendment to Tiger Bay Limited Partnership, 3219 State Road 630 West, Fort Meade, Polk County, Florida 33841. This amendment is to increase the allowable heat input from 1615 million BTU per hour lower heating value at 27F to 1710 million BTU per hour to its combustion turbine located at the Tiger Bay Cogeneration facility in Fort Meade. The change will allow the company to continue to generate 184 megawatts of electric power under very low temperature conditions. There will be no increase in allowable air pollution emission limits. Any increase in actual emissions resulting from operating at very low temperature conditions will be minimal and of short duration.

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 2600 Blair Stone Road, Tallahassee, Florida 32399-2400 within 14 days of publication of this notice. Petitioner shall not 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, 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 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 process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application/request 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. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, Florida Administrative Code.

The application/request 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 32301

Admitt	+6.0	13%	+1%	20%	+1%
Admitt	+5.5	7%	-1%	20%	+1%
Admitt	+7.5	42%	+2%	28%	+1%
Admitt	+3.3	3%	-3%	17%	+1%
Admitt	+37.6	37%	+1%	29%	+1%
Admitt	+1.9	1%	+1%	7%	+1%
Admitt	+16.0	16%	+1%	7%	+1%



RECEIVED
NOV 03 1997
Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

October 30, 1997

Mr. Clair Fancy
Bureau of Air Regulation
Florida Department of Environmental Protection
2600 Blair Stone Rd.
Tallahassee, FL 32399

RE: Tiger Bay Facility Power Plant Permit Amendment Request
AC53-214903; PSD-FL-190

Dear Mr. Fancy:

Florida Power Corporation (FPC) is applying for an amendment to the permit referenced above. The request is for an extension of the compliance due date from December 31, 1998 to December 31, 1999. A check in the amount of \$250 is enclosed for the processing of this amendment.

The construction permit referenced above requires that compliance with the NO_x emission limit of 15 ppm be demonstrated by December 31, 1998. Progress has been made toward meeting this deadline; in fact, the most recent compliance test, which was performed earlier this month, indicated a NO_x emissions level of 16 ppm. For the Tiger Bay facility, final compliance can be achieved through more advanced combustion technology or the use of selective catalytic reduction (SCR).

As Mr. Mike Kennedy of my staff recently discussed with you, General Electric (GE) is completing development of a new dry low-NO_x combustor that can achieve the 15 ppm emission limit, which GE terms DLN 2.6. Initially, it appeared that the cost of retrofitting this system at the Tiger Bay facility would be significantly greater than that of SCR. As a result, FPC recently indicated to you that SCR would be installed by the December 31, 1998 date in order to achieve final compliance. However, since that time GE and FPC have agreed upon terms that will make the DLN 2.6 system cost-effective.

GE has indicated that the new combustion system can be installed by mid-1999, followed by a period of performance evaluation and compliance demonstration. Therefore, as FPC discussed with you a few weeks ago, FPC requests a 12-month extension to the compliance due date for Tiger Bay.

By installing advanced combustion technology rather than SCR, FPC will achieve compliance and avoid the negative issues associated with using SCR. These include transportation, storage, and handling of

Mr. Clair Fancy
October 30, 1997
Page Two

ammonia, ammonia "slip" through the SCR exiting the stack, disposal of spent catalyst, and the energy use by the SCR unit.

Thank you for your consideration of this request. Please contact Ms. Jennifer Tillman at (813) 866-5022 or Mr. Mike Kennedy at (813) 866-4344 if you have any questions.

Sincerely,



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

cc: Mr. Jerry Kissel, DEP - Tampa



Florida Power
CORPORATION

ACCOUNTS PAYABLE DEPT. C2N

P. O. BOX 14042

ST. PETERSBURG, FL 33733-4042

(813) 866-5257

REMITTANCE ADVICE

89

CHECK DATE 10/28/97 VENDOR DEPARTMENT OF ENVIRONMENTAL VENDOR NO. 184812 CHECK NO. 1928417

INVOICE NO.	DATE	OUR ORDER NO.	VOUCHER	GROSS AMOUNT	DISCOUNT	NET AMOUNT
DE1023250	10/23/97		9710150826	250.00	.00 TOTAL	250.00 250.00

RECEIVED
NOV 03 1997
Department of Environmental Protection
BY SOUTH WEST DISTRICT

THE ATTACHED REMITTANCE IS IN FULL SETTLEMENT OF ACCOUNT AS STATED. IF NOT CORRECT PLEASE RETURN TO ABOVE ADDRESS.

Accounts Payable Department C2N
P.O. Box 14042
St. Petersburg, FL 33733-4042

Florida Power
CORPORATION

83-115
831

DATE 10/28/97 CHECK NO. 1928417

PAY: \$250+DOLLARS AND 00 CENTS \$*****250.00

SunTrust / Mid-Florida
TO
THE
ORDER
OF

DEPARTMENT OF ENVIRONMENTAL
PROTECTION-FINANCE & ACCTNG
2600 BLAIR STONE RD
TALLAHASSEE FL 32399

Void after 60 days

J. H. Smallwood
Treasurer

⑈ 1001928417⑈ ⑆ 063101153⑆ 6990032052736⑈



fit
RECEIVED

SEP 16 1997

Department of Environmental Protection
SOUTHWEST DISTRICT

BY _____

September 11, 1997

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

RE: Tiger Bay Facility Power Plant Permit Amendment Request
AC53-214903; PSD-FL-190

Dear Mr. Linero:

Florida Power Corporation (FPC) is applying for an amendment to the permit referenced above. The request is for three minor changes to the methods used for compliance determination. A check in the amount of \$250 is enclosed for the processing of this amendment. Each request is described in detail below.

1. Specific Condition 8 contains the required test methods for performing annual compliance tests. Under this condition, a separate test for VOC is required. At other FPC facilities, such as DeBary and Intercession City, the performance of the VOC test is not required if compliance with the CO limit is demonstrated. This has been effective in assessing compliance without the added burden of completing a VOC test. Therefore, FPC requests that the DEP add the following language to Specific Condition 8:

Performance of VOC testing shall not be required provided that compliance with the CO limit is demonstrated.

2. Specific Condition 8 contains both Method 18 and Method 25A as requirements for the determination of VOC emissions. It is not clear from the language in the condition whether either method may be used or both methods are required. FPC requests that since only one method is necessary, and since Method 25A is the one normally used for facilities such as Tiger Bay, that the DEP delete the reference to Method 18 from Specific Condition 8.

3. Method 3, which is a manual method, is required for determining the gas analysis. The instrumental Method 3A is much more commonly used, and it is more convenient. Therefore, FPC requests that the DEP change Method 3 to Method 3A in Specific Condition 8.

Mr. Al Linero
September 11, 1997
Page Two

Thank you for your consideration of this request. Please contact Ms. Jennifer Tillman at (813) 866-5022 or Mr. Mike Kennedy at (813) 866-4344 if you have any questions.

Sincerely,



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

✓cc: Mr. Jerry Kissel, DEP - Tampa



ACCOUNTS PAYABLE DEPT. C2N

P. BOX 14042

ST. PETERSBURG, FL 33733-4042 REMITTANCE ADVICE

(813) 866-5257

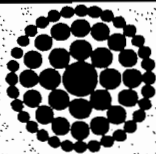
89

CHECK DATE 09/05/97 VENDOR FLA DEPT OF ENVIRONMENTAL VENDOR NO. 278473 CHECK NO. 1916063

INVOICE NO.	DATE	OUR ORDER NO.	VOUCHER	GROSS AMOUNT	DISCOUNT	NET AMOUNT
CK128051	08/28/97		9709129535	250.00	.00 TOTAL	250.00 250.00

THE ATTACHED REMITTANCE IS IN FULL SETTLEMENT OF ACCOUNT AS STATED. IF NOT CORRECT PLEASE RETURN TO ABOVE ADDRESS.

Accounts Payable Department C2N
P.O. Box 14042
St. Petersburg, FL 33733-4042



Florida Power Corporation

63-115
831

DATE 09/05/97 CHECK NO. 1916063

PAY: \$250*DOLLARS AND 00 CENTS

*****250.00

SunTrust / Mid-Florida

TO
THE
ORDER
OF

FLA DEPT OF ENVIRONMENTAL
PROTECTION
2600 BLAIR STONE RD
TALLAHASSEE FL 32399-2400

Void after 60 days

J. V. Swallow
Treasurer

⑆1001916063⑆ ⑆063101153⑆6990032052736⑆

Final Determination

Central Florida Power, Limited Partnership
Ft. Meade, Polk County, Florida

258 MW Cogeneration Facility

Permit Number: AC53-214903
PSD-FL-190

Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Regulation

May 6, 1993

Final Determination

The Technical Evaluation and Preliminary Determination for the permit to construct a 258 cogeneration facility at Central Florida Power, Limited Partnership (CFPLP), in Ft. Meade, Polk County, Florida, was distributed on January 15, 1993. The Notice of Intent to Issue was published in The Polk County Democrat on February 4, 1993. Copies of the evaluation were available for public inspection at the Department's offices in Tampa and Tallahassee.

CFPLP's application for a permit to construct a 258 MW cogeneration facility has been reviewed by the Bureau of Air Regulation in Tallahassee. No adverse comments were submitted by the U.S. Environmental Protection Agency (EPA) in their letter dated February 16, 1993, or by the U.S. Department of the Interior (Fish and Wildlife Services) in their letter of February 5, 1993.

Comments regarding the Technical Evaluation and Preliminary Determination (Synopsis of Application) and Permit Specific Conditions were submitted by Kennard F. Kosky, P.E., President of KBN Engineering and Applied Sciences, Inc. The Bureau has considered Mr. Kosky's comments and agreed to the changes proposed in the wording and adjustment of numerical limits to reflect manufacturer's specifications since these changes will not affect the potential emissions considered during the evaluation of this project. The amendments to the Specific Conditions of the permit are as follows:

RESPONSE TO COMMENTS NOS. 1, 2, 3, 4, AND 5

These changes will be incorporated in Table 1.

RESPONSE TO COMMENTS NOS. 5 AND 6

The table on page 9 of the BACT determination and Table 1 of the permit (Specific Condition No. 1) will be amended to reflect these comments.

BACT DETERMINATION BY DER (PAGE 8)

This paragraph will be added to the NO_x control section: For this turbine, an even lower NO_x emission level than 15 (gas)/42 (oil) ppmvd, corrected to 15% O₂, may become a condition of this permit pursuant to F.A.C. Rule 17-4.080, Modification of Permit Conditions.

RESPONSE TO ITEM NO. 2 ON KBN'S LETTER OF JANUARY 30, 1993

Information given to DER and to the U.S. Department of Interior (Fish and Wildlife Services) indicates that General Electric's goal is to attempt a NO_x level of 9 ppmvd when firing natural gas.

IN RESPONSE TO THE U.S. DEPARTMENT OF INTERIOR, SPECIFIC CONDITION NO. 15 WILL BE CHANGED AS FOLLOWS:

FROM: The permittee shall leave sufficient space in the heat recovery steam generator suitable for future installation of SCR equipment should the facility be unable to meet the NO_x standards, if required.

TO: The permittee shall comply with the following by 12/31/97:

- a) For this turbine, if the 15 (gas)/42 (oil) ppmv emission rates cannot be met by 12/31/97, SCR or other control technology will be installed. Hence, the permittee shall install a duct module suitable for future installation of SCR equipment.

IN RESPONSE TO THE MARCH 11, 1993, LETTER FROM KENNARD F. KOSKY, KBN

The Department has determined the following:

Mandating SCR: The Department is giving the permittee the flexibility to incorporate any design feature to meet the 15 (gas) ppmvd at 15% O₂ NO_x emission limit. SCR or other control technology shall be installed if the 15 (gas) ppmvd cannot be met by 12/31/97.

Lowering the permit/BACT limit for NO_x: The Department may revise the permitted emission level for NO_x. For this turbine, an even lower NO_x emission level than 15 (gas)/42 (oil) ppmvd, corrected to 15% O₂, may become a condition of this permit, pursuant to F.A.C. Rule 17-4.080, Modification of Permit Conditions.

SPECIFIC CONDITION NO. 14 WILL BE MODIFIED AS FOLLOWS. THE PARAGRAPH IN BOLD WAS INADVERTENTLY OMITTED IN THE DRAFT PERMIT

Specific Condition No. 14: Test results will be the average of 3 valid runs. The Southwest District office will be notified at least 30 days in writing in advance of the compliance test(s). The sources, combustion turbine and duct burner, shall operate between 95% to 100% of the maximum capacity for the ambient conditions experienced during compliance test(s). **The turbine manufacturer's capacity vs temperature (ambient) curve shall be included with the compliance test results.** Compliance test results shall be submitted to the Southwest District office no later than 45 days after completion.

The final action of the Department will be to issue construction permit AC53-214903 (PSD-FL-190) with the changes noted above.



Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

April 23, 1996

CERTIFIED MAIL RETURN RECEIPT REQUESTED

Mr. Jeffrey J. Fassett
Senior Plant Engineer
Tiger Bay Cogen
3219 State Road, 630 West
Fort Meade, Florida 33841

Dear Mr. Fassett:

Re: Amendment of Permits AC53-214903, PSD-FL-190. AIRS ID# 1050223-001-AC
Tiger Bay Cogen, Combined Cycle Unit

The Department has reviewed your letters dated January 18 and January 24 requesting an increase in the allowable heat input rate to produce 184 MW of electrical power from the combustion turbine. The Department has also received your letter dated February 9 requesting the deletion of the requirement to adjust source test results to ISO conditions for the purpose of BACT compliance. The above referenced permit is hereby amended as follows:

From:

Specific Condition:

5. The permitted materials and utilization rates for the combined cycle gas turbine system shall be as stated in the application. The operation parameters include, but are not limited to:

184 MW Combustion Turbine

- a) The maximum heat input of 1849.9 MMBtu/hr (LHV) at 27°F and at base load for distillate fuel oil.
- b) The maximum heat input of 1614.8 MMBtu/hr (LHV) at 27°F and at base load for natural gas.

Duct Burner

- c) The maximum heat input of 100 MMBtu/hr (HHV) of natural gas.

13. During performance tests, to determine compliance with the NO_x standard, measured NO_x emissions at 15 percent oxygen will be adjusted to ISO ambient atmospheric conditions by the following correction factor:

$$NO_x = (NO_{x\text{ obs}})(P_{rel}/P_{obs})^{0.5} e^{19(H_{obs} - 0.00633)}(288^\circ K/T_{AMB})^{1.53}$$

where:

NO_x = Emissions of NO_x at 15 percent oxygen and ISO standard ambient conditions.

RECEIVED
MAY 01 1996
Department of Environmental Protection
SOUTHWEST DISTRICT

$NO_{x\text{ obs}}$ = Measured NO_x emission at 15 percent oxygen, ppmv.
 P_{ref} = reference combustor inlet absolute pressure at 101.3 kilopascals (1 atmosphere) ambient pressure.
 P_{obs} = Measured combustor inlet absolute pressure at test ambient pressure.
 H_{obs} = Specific humidity of ambient air at test.
 e = Transcendental constant (2.718).
 T_{AMB} = Temperature of ambient air at test.

To:

Specific Condition:

5. The permitted materials and utilization rates for the combined cycle gas turbine system shall be as stated in the application. The operation parameters include, but are not limited to:

184 MW Combustion Turbine

- a) The maximum heat input of 1849.9 MMBtu/hr (LHV) at 27°F and at base load for distillate fuel oil.
- b) The maximum heat input of **1710 MMBtu/hr** and at base load for natural gas.

Duct Burner

- c) The maximum heat input of 100 MMBtu/hr (HHV) of natural gas.

13. This condition is deleted. Tests conducted to establish compliance with NO_x limits which are more stringent than the NSPS standard shall not require an ISO correction (Guidance on Rate of Operation During Compliance Testing for Combustion Turbines dated November 22, 1995).

A copy of this amendment letter shall be attached to and shall become a part of Air Construction Permit AC53-214903.

Sincerely,



Howard L. Rhodes, Director
Division of Air Resources
Management

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this PERMIT AMENDMENT and all copies were mailed by certified mail before the close of business on 4/29/96 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to §120.52(11), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Charlatta J. Hayes 4/29/96
Clerk Date

Copies to be furnished to:

T. Ellison, SWD
J. Harper, EPA
J. Bunyak, NPS
J. Benedetti, DESTEC