



Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

January 12, 1998

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: DEP File No. 1050223-007-AC
Tiger Bay Power Plant - 258 MW Cogen Unit

Dear Mr. Pardue:

The Department has reviewed your October 30, 1997 letter requesting a modification of construction permit No. AC-53-214903 (PSD-FL-190) to extend the compliance date for achievement of the 15 parts per million nitrogen oxides (15 ppm NO_x) emission limit. This request is acceptable and the permit (previously modified on January 8, 1997) is hereby modified as follows:

SPECIFIC CONDITION 15(a)

The NO_x maximum emission limit of 97.2 pounds per hour (equivalent to 15 ppm @ 15% O₂) firing gas/326 pounds per hour (equivalent to 42 ppm @ 15 % O₂) firing distillate fuel oil will be achieved not later than 12/31/98 99 using appropriate combustion technology improvements or SCR. If SCR is chosen as the control technology, the maximum NO_x emission limits will be changed to 64.8 pounds per hour (equivalent to 10 ppm @ 15 % O₂) and made effective the same date.

TABLE 1, FOOTNOTE B

The NO_x maximum emission limit of 97.2 pounds per hour (equivalent to 15 ppm @ 15% O₂) firing gas/326 pounds per hour (equivalent to 42 ppm @ 15 % O₂) firing distillate fuel oil will be achieved not later than 12/31/98 99 using appropriate combustion technology improvements or SCR. If SCR is chosen as the control technology, the maximum NO_x emission limits will be changed to 64.8 pounds per hour (equivalent to 10 ppm @ 15 % O₂) and made effective the same date.

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 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.

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

Printed on recycled paper.

Executed in Tallahassee, Florida.

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 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 1-14-98 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. 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.

Keri Jones 1-14-98
(Clerk) (Date)

HLR/th

FINAL DETERMINATION

FLORIDA POWER CORPORATION
TIGER BAY FACILITY
PERMIT No. 1050223-007-AC
Polk County

An Intent to Issue an air construction permit amendment to Florida Power Corporation (FPC) was distributed on November 17, 1997. This permit amendment was to defer the applicability date of a lower nitrogen oxides emission limit at its 258 megawatt cogeneration facility located five miles west of Fort Meade, Polk County. The Public Notice of Intent to Issue Air Construction Permit was published in The Ledger, Lakeland, Polk County, Florida on November 25, 1997.

No comments were submitted during the public notice period.

The final action of the Department will be to issue the permit as noticed during the public notice period.

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Jeffrey Pardue, CEP
 Fla. Power Corp
 3201 34th St. South
 St. Pete, FL 33733

4a. Article Number

P 265 659 280

4b. Service Type

- Registered Certified
- Express Mail Insured
- Return Receipt for Merchandise COD

7. Date of Delivery

1-20-98

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X *Jeffrey Pardue*

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

PS Form 3811, December 1994

Domestic Return Receipt

P 265 659 280

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to		Jeff. Pardue
Street & Number		FDC - Tiger Bay
Post Office, State, & ZIP Code		St. Pete FL
Postage	\$	
Certified Fee		
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt Showing to Whom & Date Delivered		
Return Receipt Showing to Whom, Date, & Addressee's Address		
TOTAL Postage & Fees	\$	
Postmark or Date		1-14-98

PS Form 3800, April 1995

Memorandum

Florida Department of Environmental Protection

TO: Howard Rhodes

THRU: Clair Fancy *CF*
Al Linero *alin* 1/12

FROM: Teresa Heron

DATE: January 12, 1998

SUBJECT: FPC/ Tiger Bay Power Plant
Modification of Permit
AIRS No. 1050223-007-AC (PSD-FL-190)

Attached is the permit amendment deferring by one year the applicability date of the ratchet-down provision for NOx emissions at the FPC/Tiger Bay Power Plant facility.

Currently, the unit is in compliance with its present nitrogen oxide (NOx) limit of 25 parts per million (ppm). Specific Condition No. 15, modified on January 8, 1997, of the above referenced construction permit requires that the unit achieve a nitrogen oxide (NOx) emission limit of 15 parts per million using appropriate combustion technology improvements or SCR.

DESTEC (former owner) indicated to the Department, at the time the condition was modified, that SCR would be installed by the December 31, 1998 date. It appeared, at that time, that the cost of retrofitting this system with the DLN would be significantly greater than that of SCR. However since that time GE and FPC (new owner) have agreed upon terms that will make the DLN system cost-effective.

This modification will defer the applicability date of Specific Condition No. 15 from December 31, 1998 to December 31, 1999 for the installation of DLN. However, if SCR is chosen as the control technology, the maximum NOx emission limits will be changed to 64.8 pounds per hour (equivalent to 10 ppm @ 15 % O₂) and made effective the same date. We remind FPC of last item through the attached transmittal letter.

I recommend your approval and signature

AAL/th

Attachment