

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF PERMIT

PSD-FL-180H

In the Matter of an
Application for Permit Modification by:

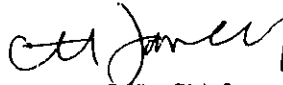
Florida Power Corporation (FPC) -Intercession City Plant
Post Office Box 14042 - MAC BB1A
St. Petersburg, Florida 33733

DEP File No. 0970014-002-AC, (PSD-FL-180B)^H
Intercession City Plant
Units 7-10 Inlet Fogger Project
Osceola County

Enclosed is the Final Permit Number 0970014-002-AC, PSD-FL-180B^H, for a modification of FPC's existing air construction permit to install foggers at the compressor inlets of four 93-megawatt natural gas and No. 2 fuel oil-fired General Electric PG7111EA combustion turbine-electrical generators at the Intercession City Plant in Osceola County

Any party to this order (permit) 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.



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


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 5-17-99 to the person(s) listed:

W. Jeffrey Pardue, FPC*
Jennifer Tillman, P.E., FPC
Len Kozlov, DEP, CD
Gregg Worley, EPA
John Bunyak, NPS

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)

5-17-99
(Date)

FINAL DETERMINATION

Florida Power Corporation
Intercession City Plant
Units 7-10 Inlet Fogger Project
Osceola County
DEP File No. 0970014-002-AC (PSD-FL-180B)

An Intent to Issue an air construction permit was distributed on March 12, 1999. It authorized the installation of the installation of inlet foggers at the Intercession City's compressor inlets of four 93 MW turbine-electrical generators. This facility is located at 6525 Osceola Polk County Line Road, Intercession City, Osceola County.

The Public Notice of Intent to Issue Air Construction Permit was published in the Osceola News Gazette on April 10, 1999.

No comments were received as a result of the public notice.

The final action of the Department will be to issue the permit as noticed.

Z 333 618 148

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	
FPC	
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	
0970014-002-AC 5-17-99	

PS Form 3800 April 1995

Fold at line over top of envelope to the right of the return address

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):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
 Jeffrey Pardue
 FPC
 P O Box 14042
 St. Petersburg, FL
 33733

4a. Article Number
Z 333 618 148

4b. Service Type

Registered Certified
 Express Mail Insured
 Return Receipt for Merchandise COD

7. Date of Delivery
MAY 19 1999

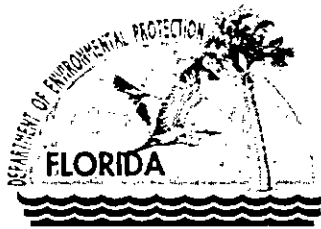
5. Received By: (Print Name)

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

6. Signature (Addressee or Agent)

X [Signature]

Thank you for using Return Receipt Service.



Jeb Bush
Governor

Department of Environmental Protection

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

David B. Struhs
Secretary

PERMITTEE:

Florida Power Corporation
Post Office Box 14042 MAC BB1A
St. Petersburg, Florida 33733

Authorized Representative:

W. Jeffrey Pardue, CEP
Director, Environmental Services

DEP File No.	0970014-002-AC
Permit No.	PSD-FL-180B
Project	Peaking Unit Nos. 7-11
SIC No.	4911
Expires:	December 31, 1999

PROJECT AND LOCATION:

Re-issued and modified permit for the construction of five simple cycle combustion turbine-electrical generators (Peaking Units Nos. 7-11). This action also provides for installation of inlet foggers on the four 92.9 megawatt simple cycle General Electric PG7111EA combustion turbine-electrical generators (Peaking Units 7-10), collectively designated as Emission Unit No. 002. This permit includes a 171 MW Siemens V84.3 combustion turbine-electrical generator (Peaking Unit 11) designated as Emission Unit 003 that is unaffected by this action.

The units are located at the FPC Intercession City Plant, 6525 Osceola Polk County Line Road, Intercession City, Osceola County.

UTM coordinates are: Zone 17; 446.3 km E and 3126 km N.

STATEMENT OF BASIS:

This construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), and Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.). The above named permittee is authorized to modify the facility in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department of Environmental Protection (Department).

ATTACHED APPENDICES MADE A PART OF THIS PERMIT:

Appendix GC	Construction Permit General Conditions
Appendix SC	Specific Conditions

Howard L. Rhodes, Director
Division of Air Resources
Management

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

APPENDIX GC
GENERAL PERMIT CONDITIONS [F.A.C. 62-4.160]

- G.1 The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
- G.2 This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings or exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
- G.3 As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey and vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
- G.4 This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- G.5 This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
- G.6 The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
- G.7 The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
- a) Have access to and copy and records that must be kept under the conditions of the permit;
 - b) Inspect the facility, equipment, practices, or operations regulated or required under this permit, and,
 - c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.
- Reasonable time may depend on the nature of the concern being investigated.
- G.8 If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
- a) A description of and cause of non-compliance; and
 - b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

APPENDIX GC
GENERAL PERMIT CONDITIONS [F.A.C. 62-4.160]

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

- G.9 In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
- G.10 The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
- G.11 This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
- G.12 This permit or a copy thereof shall be kept at the work site of the permitted activity.
- G.13 This re-issued permit incorporates previous determinations for:
- a) Best Available Control Technology (X)
 - b) Prevention of Significant Deterioration (X); and
 - c) New Source Performance Standards (X).
- G.14 The permittee shall comply with the following:
- a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - c) Records of monitoring information shall include:
 - 1. The date, exact place, and time of sampling or measurements;
 - 2. The person responsible for performing the sampling or measurements;
 - 3. The dates analyses were performed;
 - 4. The person responsible for performing the analyses;
 - 5. The analytical techniques or methods used; and
 - 6. The results of such analyses.
- G.15 When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.



APPENDIX SC
SPECIFIC CONDITIONS


1. This permit supersedes permit AC49-203114 (PSD-FL-180), dated August 17, 1992 to install six simple cycle combustion turbine-electrical generators and its revisions dated:
 - October 6, 1993 – Test and Compliance Methods.
 - November 15, 1993 – Fuel Oil No. 2 in lieu of F, Hg, Pb, As, and Be Limits
 - July 15, 1994 – Substitute one 171 MW Siemens V84.3 for two 185.5 MW GE 7FA
 - September 21, 1994 – Manufacturer’s Heat Input to Ambient Temperature Curve
 - January 20, 1995 – Compliance Testing Requirements
 - August 10, 1995 – Natural Gas Use
 - December 15, 1997 – NSPS Custom Fuel Monitoring Schedule
2. The provisions of the air construction permit AC49-203114 (PSD-FL-180), dated August 17, 1992 and the revisions to that permit, attached and listed above, are incorporated into this air construction permit.
3. Inlet foggers may be installed at the compressor inlet to each of the four simple cycle General Electric PG7111EA combustion turbine-electric generators. The four foggers may operate up to 7,000 hours per year in aggregate (average 1750 hours per unit per year).

Florida Department of
Environmental Protection

Memorandum

TO: Howard L. Rhodes

Thru: Clair Fancy 
Al Linero 

FROM: Teresa Heron 

DATE: May 12, 1999

SUBJECT: FPC Intercession City Inlet Fogger Project
DEP File No. 0970014-002-AC

BAR

Attached for approval and signature is the final permit modification for the inlet fogger project. The application is to install inlet foggers ahead of the compressor inlets of four simple cycle combustion turbines. The foggers will operate on hot days and days of relatively low humidity. The evaporative cooling effected by the foggers will allow the units to operate closer to their rated capacity.

Emissions will increase because the heat rate through the units will increase when the foggers are used and effectively cool the inlet air. FPC proposes to limit operation of the coolers to 1,800 hours per unit per year to insure PSD is not triggered by their use. The issue of making a future potential to past actual annual emission increase calculation is extensively addressed in the Technical Evaluation.

I recommend your signature and approval of the cover letter and Intent to Issue.

AAL/aal

Attachments