

Check Sheet

Company Name: FPC Intercession City - DeBary Power Plant  
Permit Number: 1270028-004-AC  
PSD Number: 1675 (modification)  
Permit Engineer: Al or Teresa Newton

**Application:**

- Initial Application
- Incompleteness Letters
- Responses
- Waiver of Department Action
- Department Response
- Other

**Cross References:**

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**Intent:**

- Intent to Issue
- Notice of Intent to Issue
- Technical Evaluation
- BACT Determination
- Unsigned Permit
- Correspondence with:
  - EPA
  - Park Services
  - Other
- Proof of Publication
- Petitions - (Related to extensions, hearings, etc.)
- Waiver of Department Action
- Other

1675 e?  
or 5?

**Final Determination:**

- Final Determination
- Signed Permit
- BACT Determination
- Other

**Post Permit Correspondence:**

- Extensions/Amendments/Modifications
- Other

## PSD-FL-167 PERMITTING HISTORY

**FPC-DeBary  
DeBary Power Plant**

**Facility ID No.: 1270028**

**PSD Permit History (for tracking purposes):**

	Issue	PERMITTING ACTION DESCRIPTION
Permit No.	Date	
PSD-FL-167 AC64- 191015	10/18/91	To construct/install six 92.9 MW, oil fired simple cycle combustion turbines. Peaking units: 3390 hour/yr each. Fuel oil burning. Expiration date January 31, 1993.
PSD-FL-167A AC64- 191015A	11/23/92	Extension of permit expiration date to March 31, 1993
PSD-FL-167B AC64 191015B	4/8/93	Extension of permit expiration date to June 30, 1993
PSD-FL-167C AC64- 191015C	6/29/93	Extension of permit expiration date to July 30, 1993. Letter of approval revised on July 7, 1993.
PSD-FL-167D AC64- 191015D	6/30/93	Change Method 3 to 3A
PSD-FL-167E AC64- 191015E	8/3/93	Extension of permit expiration date to August 31, 1993
PSD-FL-167F AC64- 191015F	8/11/93	Replace trace element limits with use of low sulfur oil
PSD-FL-167G AC64- 191015G	8/30/93	Correct PM basis and SAM limit
PSD-FL-167H AC64- 191015H	9/21/94	Incorporate heat input curves
PSD-FL-167I 1270028-002AC	5/06/97	Modification to reissue the expired construction permit for six 92.9 MW, oil fired SC turbines: revise the number of units to the four already constructed; and allow installation of natural gas firing capabilities. Peaking units: 3390 hour/yr each. PSD Permit number reads PSD-FL-167B.
PSD-FL-167J 1270028-004AC	3/31/00	Permit modification for the installation of inlet foggers in each of the four SC turbines. See files for year 2000.

Permit #:	PATS:	Issue:	Expire:
Project #/Name	Owner/Company	Type/Sub	Receive
001/FPC-DEBARY PLANT	FLORIDA POWER CORPORATION	AV /00	14-JUN-1996
002/FPC'S DEBARY PLANT SITE	FLORIDA POWER CORPORATION	AC /1F	08-NOV-1996
<b>003/FPC - DEBARY TITLE V REVI</b>	<b>FLORIDA POWER CORPORATION</b>	<b>AV /02</b>	<b>27-DEC-1999</b>
004/FPC-INLET FOGGING-DEBARY	FLORIDA POWER CORPORATION	AC /1D	31-JAN-2000
/FLORIDA POWER/DEBARY BOIL	FLORIDA POWER CORPORATION	AO /09	14-OCT-1986
/FLORIDA POWER CORP/DEBARY	FLORIDA POWER CORPORATION	AO /07	12-JAN-1987
/FPC DEBARY/SIX PEAKING UN	FLORIDA POWER CORPORATION	AC /1A	31-DEC-1990
/FLORIDA POWER/DEBARY BOIL	FLORIDA POWER CORPORATION	AO /2B	30-AUG-1991
/FLORIDA POWER CORP/6 DEBA	FLORIDA POWER CORPORATION	AO /1B	23-JAN-1992
/FPC/DEBARY COMBUSTION TUR	FLORIDA POWER CORPORATION	AO /1A	25-JUN-1993
/		/	
/		/	
/		/	
/		/	

Press [NXTBLK] for summary information.  
 Count: \*10

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## Appendix H-1, Permit History/ID Number Changes

Florida Power Corporation  
Debarry Facility

**FINAL Permit No.:** 1270028-001-AV

### **Permit History (for tracking purposes):**

E.U.

<u>ID No</u>	<u>Description</u>	<u>Permit No.</u>	<u>Issue Date</u>	<u>Expiration Date</u>	<u>Extended Date<sup>1,2</sup></u>	<u>Revised Date(s)</u>
-001	Boiler #1	AO64-201681	11/25/91	10/25/96	removed*	
-002	Boiler #2	AO64-201681	11/25/91	10/25/96	removed*	
-003 – -014	Gas Turbine #'s 1-6	AO64-207447	8/6/92	7/30/97		
-015	Simple Cycle Combustion Turbine	AO64-233544	10/26/93	10/19/98		
-016	Simple Cycle Combustion Turbine	AO64-233544	10/26/93	10/19/98		
-017	Simple Cycle Combustion Turbine	AO64-233544	10/26/93	10/19/98		
-018	Simple Cycle Combustion Turbine	AC64-191015	10/18/91	6/30/93	11/1/96	9/21/94
-019	Simple Cycle Combustion Turbine	AC64-191015	10/18/91	6/30/93	11/1/96	8/30/93, 8/11/93 7/30/93, 7/7/93

### **ID Number Changes (for tracking purposes):**

From: **Facility ID No.:** 30ORL640028

To: **Facility ID No.:** 1270028

#### Notes:

\*Boilers #1 and #2 were removed in 1997

1 - AO permit(s) automatic extension(s) in Rule 62-210.300(2)(a)3.a., F.A.C.

2 - AC permit(s) automatic extension(s) in Rule 62-213.420(1)(a)4., F.A.C.

{Rule 62-213.420(1)(b)2., F.A.C., allows Title V Sources to operate under existing valid permits that were in effect at the time of application until the Title V permit becomes effective}



RECEIVED  
MAR 16 2000  
BUREAU OF AIR REGULATION

March 13, 2000

Mr. Al Linero, P.E.  
Bureau of Air Regulation  
Florida Department of Environmental Protection  
2600 Blair Stone Rd.  
Tallahassee, Florida 32399-2400

Dear Mr. Linero:

Re: DeBary Inlet Fogging - Proof of Publication

I have enclosed the proof of publication of the Public Notice of Intent to Issue Air Construction Permit Modification for Florida Power Corporation's DeBary facility.

Please contact me at (727) 826-4334 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Michael Kennedy", written in a cursive style.

J. Michael Kennedy, Q.E.P.  
Manager, Air Programs

# The News-Journal

Published Daily and Sunday  
Daytona Beach, Volusia County, Florida

State of Florida,  
County of Volusia:

Before the undersigned authority personally appeared

Kristine Smith

who, on oath says that he is.....

Regional Advertising Manager

of The News-Journal, a daily and Sunday newspaper, published  
at Daytona Beach in Volusia County, Florida; that the  
attached copy of advertisement, being a.....

Public Notice of Intent

in the matter of.....

State of Florida, Department of  
Environmental Protection

in the .....Court, was published

in said newspaper in the issues.....

February 24, 2000

Affiant further says that The News-Journal is a newspaper  
published at Daytona Beach, in said Volusia County, Florida,  
and that the said newspaper has heretofore been continuously  
published in said Volusia County, Florida, each day and  
Sunday and has been entered as second-class mail matter at the  
post office in Daytona Beach, in said Volusia 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.

Kristine Smith

Sworn to and subscribed before me

this 24th day of 2000

A.D. 2000

*Barbara Lane*



BARBARA LANE  
Notary Public, State of Florida  
My Comm. Exp. Nov. 28, 2003  
Comm. No. CC 890979

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**PROOF OF PUBLICATION**

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**IN RE**

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**NEWS-JOURNAL CORPORATION**

**Daytona Beach, Florida**

**Publication Fee, \$ . . . . .**

**PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT MODIFICATION**

STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL PROTECTION

DEP File No. 1270028-004-AC (PSD-FL-167 C)

Florida Power Corporation DeBary Plant, Units 7-10 Inlet Fogger Project, Volusia County

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit modification to Florida Power Corporation (FPC). The permit is 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 DeBary Plant in Volusia County. A Best Available Control Technology (BACT) determination was not required pursuant to Rule 62-212.400, F.A.C. The applicant's name and address are Florida Power Corporation, Post Office Box 14042, MAC BBIA, St. Petersburg, Florida 33733.

These units normally achieve their maximum rated output on cold days because the greater compressor inlet density allows greater throughput in the rotor or expansion section of the combustion turbine. The maximum power output is lower on hot days because of the lower compressor inlet density. The foggers increase hot-day power output by approximately 4-6 MW through evaporative cooling of the compressor inlet air although maximum output over all temperatures will remain 93 MW or below. The foggers provide no benefit on very humid or cold days and will not be used under those conditions. The result is that maximum hourly air pollution emissions will not increase although actual annual emissions will increase within their permitted limits because more fuel will be used on hot, relatively dry days.

Although the number of days during which the foggers can economically operate probably limits emissions increases to levels below significance for the purposes of PSD applicability, FPC proposes enforceable conditions to insure non-applicability. FPC asserts and the Department accepts that the modification will not cause any meaningful change in the hours of operation of these simple cycle peaking units. They are already limited to 3390 hours of operation per unit. The maximum increase in annual emissions caused by project in tons per year is summarized below along with the PSD-significant levels.

Pollutants	Annual Emission Increase	PSD Significant Levels
PM/PM <sub>10</sub>	2.2	25/15
SAM	2.5	7
SO <sub>2</sub>	39.9	40
NO <sub>x</sub>	28.1	40
VOC	0.5	40
CO	7.4	100

An air quality impact analysis was not required or conducted. No significant impacts are expected to occur as a result of this project. It will not cause or contribute to a violation of any ambient air quality standard or increment.

The Department will issue the FINAL permit modification with the attached conditions 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 permit issuance action for a period of thirty (30) 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 at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below. Mediation is not available in this proceeding.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen (14) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3) of the Florida Statutes 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. Under Section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen (14) days of receipt of that notice, regardless of the date of publication. A petitioner shall 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 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts upon which the Department's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of how and when petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301.

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. Persons whose substantial interest 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 am to 5:00 pm, Monday through Friday, except legal holidays, at:

Department of Environmental Protection  
Bureau of Air Regulation  
111 S. Magnolia Drive, Ste. 4, Tallahassee, FL 32301  
Telephone: 850/488-0114; Fax: 850/922-6979

Department of Environmental Protection  
Central District Office  
3319 Maguire Boulevard, Ste. 232, Orlando, FL 32803-3767  
Telephone: 407/894-7555; Fax: 407/897-5963

The complete project file includes the application, technical evaluation, Draft Permit Modification, 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 Source Review Section at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301 or call 850/488-0114, for additional information.