



May 24, 1999

Mr. Al Linero, P.E.
Administrator, New Source Review Section
Florida Department of Environmental Protection
2600 Blair Stone Rd.
Tallahassee, Florida 32399-2400

Dear Mr. Linero:

Re: FPC Hines Energy Complex, Notice of Intent to Issue PSD Permit Modification
DEP File No. PSD-FL-195A; PA92-33D

Enclosed please find the notarized proof of publication received from the Lakeland Ledger for the Florida Department of Environmental Protection *Notice of Intent to Issue PSD Permit Modification* referenced to the above request. The notice was published on May 12, 1999.

If you should have any questions concerning this correspondence, please do not hesitate to contact me at (727) 826-4258.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott H. Osbourn", written in a cursive style.

Scott H. Osbourn
Senior Environmental Engineer

cc: William Thomas, DEP SW District (w/attach)

Attachment

AFFIDAVIT OF PUBLICATION

THE LEDGER

Lakeland, Polk County, Florida

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

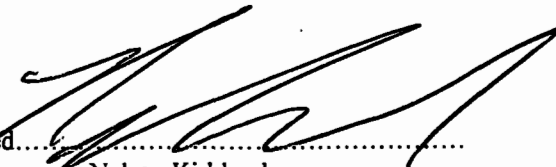
Public Notice Of Intent To Issue PSD Permit Modification

DEP File No. PSD-FL-195A, PA92-33D
in the matter of

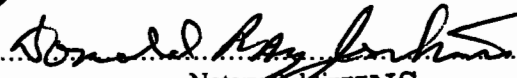
in the

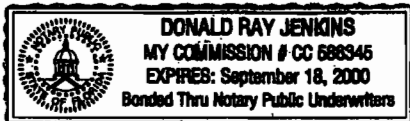
Court, was published in said newspaper in the issues of.....
May 12, 1999

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
Who is personally known to me.

Sworn to and subscribed before me this..... 13TH
day of..... May..... A.D. 19 99


Notary Public
DONALD RAY JENKINS



(Seal)

My Commission Expires.....

Order#172227

C610

Florida Power Corp

PUBLIC NOTICE OF INTENT TO ISSUE PSD PERMIT MODIFICATION

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Florida Power Corporation, Hines Energy Complex Power Block 1
DEP File No. PSD-FL-195A, PA92-33D
Polk County

The Department of Environmental Protection (Department) gives notice of its intent to issue a modification of a Prevention of Significant Deterioration (PSD) Permit to Florida Power Corporation (FPC) for its Hines Energy Complex located in Polk County. A Best Available Control Technology (BACT) determination was not required for this modification pursuant to Rule 62-212.400, F.A.C. and 40 CFR 52.21. Prevention of Significant Deterioration (PSD). The applicant's name and address are: Florida Power Corporation, One Power Plaza, 263-13th Avenue South, St. Petersburg, Florida 33701.

This is a new facility consisting of two Westinghouse 501FC combustion turbines with heat recovery steam generators. The facility has a nominal rating of 485 Megawatts and heat-input limits (at an ambient temperature of 59°F) of 1757 MMBtu/hr while firing natural gas and 1846 MMBtu/hr while firing fuel oil.

During recent initial compliance testing, the units achieved their permitted emissions limits for nitrogen oxides, particulate matter, carbon monoxide, volatile organic compounds, sulfur dioxide, sulfuric acid mist and opacity. FPC determined that the units (combined) are capable of achieving 500 MW and still meet the permitted limits. The 500 MW rating for two units is consistent with the recent applications received by the Department for similar units.

FPC requests an increase in the heat input and corresponding megawatt capacity of the combined cycle units. The requested heat input limits applicable to each CT at an ambient temperature of 59°F are 1846 MMBtu/hr while firing natural gas and 1999 MMBtu/hr while firing fuel oil. The requested facility rating is 500 Megawatts. This will allow FPC to utilize the fully installed actual capacity of the generating units. No other emission limit increases are requested.

Additionally, FPC requests changes in the time during which excess emissions are allowed during start-up. The present permit allows 2 hours. The manufacturer has provided information indicating that 3-4 hours are required for a cold start. This is consistent with the time required to heat the steam cycle components including the selective catalytic reduction catalyst for nitrogen oxides control. Information will be provided to the Department regarding the precise time necessary for hot, warm, and cold starts. These values will be incorporated into the modified permit.

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 14 (fourteen) days from the date of publication of "Public Notice of Intent to Issue PSD Permit Modification." Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5605, 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 modification with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S., 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 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 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 on 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 the 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, as well as the rules and statutes which entitle the petitioner to relief, and (f) A demand for relief.

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 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 S. Magnolia Drive, Suite 4 Tallahassee, Florida 32301 Telephone: 850/488-0114 Fax: 850/922-6979	Department of Environmental Protection Southwest District Office 3804 Coconut Palm Drive Tampa, Florida 33619-8218 Telephone: 813/744-6100 Fax: 813/744-6084
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The complete project file includes the Draft Permit modification, the application, and the information submitted by the responsible official, exclusive of confidential records under Section 468.111, F.S. Interested persons may contact the New Resource Review Section at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-0114, for additional information.
C-610 - 5-12; 1999

21 West Church Street
Jacksonville, Florida 32202-3139

RECEIVED
NOV 14 2005

BUREAU OF AIR REGULATION

November 10, 2005



ELECTRIC

WATER

SEWER

Ms. Trina L. Vielhauer, Chief
Bureau of Air Regulation
Division of Air Resource Management
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

RE: Northside Generating Station
Title V Permit No. 0310045-016-AV

Dear Ms. Vielhauer:

The purpose of this letter is to request a determination of new source review and new source performance standard applicability for maintenance work currently under consideration.

Combustion Turbines 3, 4, 5, and 6 (CT 3, 4, 5, and 6) at JEA's Northside Generating Station (NGS) are scheduled for major outages over the next four (4) years. These units have nominal net generating capacities of 53 MW summer and 62 MW winter each. The scope of work will include inspection and overhaul of all associated gas turbine auxiliaries, the generator, electrical, and any required control systems. No upgrades are included in the scope of work, only like-kind replacement and repair as deemed necessary.

Information is attached demonstrating that the costs are well below 50% of the cost of a new unit. Approximately \$5.5 million per unit has been budgeted for the routine maintenance, repair, and replacement work. With the cost of a new unit, including installation, being well over \$20 million when ancillaries, etc. are included these projects are far below the 50% threshold that would subject this project to the reconstruction provisions under the NSPS or NSR.

We request a determination by the Department and EPA that since the maximum operating capacity and maximum hourly emission rates will not change, these units will

Ms. Vielhauer
November 10, 2005
Page Two

not be subject to NSR and the work does not meet the NSPS definition of modification and NSPS subpart KKKK will not be triggered.

In summary, JEA requests that if there are any concerns on the part of DEP or EPA that this work could trigger NSR or NSPS applicability that you advise us as soon as possible so that we can adjust the scope of these outages as necessary prior to entering into legally binding contracts for the work in order to comply with all potentially applicable requirements under Federal and State regulations.

If you have any questions, please call me at (904) 665-6247.

Sincerely,

A handwritten signature in black ink, appearing to read 'N. Bert Gianazza', with a long horizontal flourish extending to the right.

N. Bert Gianazza, P.E.
Environmental Services

cc: Mike Halpin, P.E., FDEP
Steve Pace, P.E., RESD



Project Update Form and FY06 Capital Budget Request For a Underway Project

Date: 08/22/05
 CP Number: CP065-01

Project Title: Northside Combustion Turbine Major Outages; Units 3, 4, 5, and 6

Start of Design: 02/01/05 Instructions
Start of Construction: 03/01/06 Please estimate
In Service Date: 07/01/06 milestone dates

Related Work Orders				

Cash Flow

Prior Years, Current Year, and Future Years Forecasted Expenditures												
<i>Use this Section for Forecasting when you expect to receive the Materials and/or Service</i>												
Instructions	FY05 Approved Expenditures					\$0	FY06 Expenditure Request					\$5,500
Please estimate and enter the Expenditures during each of the upcoming quarters and future years. (Enter data in cells shown in Red) All data is in \$1000s.	FY05					FY06					Cash Flow	
	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total		
	\$0	\$0	\$0	\$0	\$0	\$3,500	\$2,000	\$0	\$0	\$5,500		
FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY99-10 Totals
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,500	\$5,500	\$5,500	\$5,500	\$0	\$22,000

Budget Request

Prior Years, Current Year, and Future Years Forecasted Budget Requirements												
<i>Use this Section for Adding or Subtracting Budgeted Funds to the Work Order</i>												
<i>For FY05 and for Future Year Requests (This form will change into a trend form if the Budget Change is for FY05 2nd Qtr)</i>												
Instructions	FY05 Budget Request					\$0	FY06 Budget Request					\$5,500
Please estimate and enter the the Budget Requirements during each of the upcoming quarters and future years. (Enter data in cells shown in Red) All data is in \$1000s.	FY05										Project Budget Estimate	
	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total							
	\$0	\$0	\$0	\$0	\$0							
					Sum of Prior Yrs Budgets	FY05	FY06	FY07	FY08	FY09	FY10	FY99-10 Totals
					\$0	\$0	\$5,500	\$5,500	\$5,500	\$5,500	\$0	\$22,000
											Prior Project Budget Estimate	\$0

No Trend is required because requested Budget change is between \$100k and -\$100K

General Comments:

Originator: WB Hill Request Date 10/24/05 Phone: 6263

• **ORIGINATOR:** Please send any additional information (drawings, estimates, suppliers, and etc.), questions and comments to "Corporate Planning Funding Requests" mailbox.



Project Trend Form

Additional Comments/Information

This proposed project will perform the typical capital major outage and instead of refurbishing the major combustion and turbine components, as is typically done, it will replace many of the major components with new parts. These capital parts such as turbine wheels have been through many repair cycles and are now in need of replacement to maintain the safety and performance of these machines. They will come back with an expected life of 20 years with the majority of the high wear parts being new. This project will not increase the output of the machine.

Gianazza, N. Bert

From: Sindel, Marvin V (GE Energy) [marvin.sindel@ps.ge.com]
Sent: Thursday, August 04, 2005 9:46 AM
To: Gianazza, N. Bert
Cc: Hill, W. Bruce - Director, Electric Production CT's
Subject: FW: GE New Units

> Bert,
>
> Per our conversations on the pricing of new GE units, the following
> are ballpark estimates of pricing. Note pricing can vary considerably
> depending on adders, dual/single fuels, stacks, emission systems etc.
>
> LM 6000 model rated at approx. 47 MW \$12.7MM The BOP and installation work will add
> approx. \$8.5 MM to this pricing.
>
> MS7001EA model rated at approx. 84 MW \$18.4MM (no stack, distillate fuel) The
> installation of the unit itself (no BOP work) would add about \$5 MM to the unit price.
>
> I hope this helps with your review.
>
> Marvin Sindel
> GE Energy
> GE Account Manager
> Office Phone 904-757-2620
> Dial Comm 8*585-2620
> Fax 904-757-2652
> Cell Phone 904-318-1926
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