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P. O. Box 176 Indiantown, FL 34956	3. Service Type Locertified Mail	
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NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL PROTECTION FPL Martin Power Plant - Mortin County Droft Permit No. 0850001-008-AC (PSD-FL-286) Two New Simple Cycle Combustion Turbines

New Emissions Units 011-014

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit to the Florido Power and Light (FPL) Company to increase peaking power at the existing FPL Martin Power Plant. This plant is located in the western port of unincorparated Martin County, approximately seven miles north of Indiantown on State Road 710. The applicant, proposes to install of two simple cycle gas turbines, two natural gas fired fuel heaters, and a distillate oil storage tank. Each gos turbine is a General Electric Madel PG7241(FA) combustion turbine-electrical generator set with a nominal generating capacity of 170 MW. A determination of Best Available Control Technology (BACT) was required for carbon monoxide (CO), nitrogen oxides (NOx), particulate matter (PM/PM10), and sulfur diaxide (SO2) pursuant to Rule 62-212.400, F.A.C. and 40 CFR 52.21, Prevention of Significant Deterioration (PSD) of Air Quality. Although this property is located at a plant subject to the Power Plant Siting Act, it provides for no expansion in steam generating capacity. The applicant's authorized representative is John M. Lindsay, Plant General Manager, for the FPL Martin Power Plant. The applicant's mailing address is P.O. Box 176,

The peaking units will be fired primarily by natural gas with low sulfur distillate oil as a backup fuel. NOx emissions will be controlled with dry-low NOx combustion technology when gas firing and with water injection when oil firing. Emissions of particulate matter, sulfur dioxides, and volatile organic compounds will be minimized by the efficient combustion of clean fuels. Under narmal gas firing conditions, General Electric guarontees CO and NOx emissions of 9 ppmvd corrected to 15% axygen for the Model PG7241(FA) gas turbine. When firing very low sulfur distillate oil as a backup fuel, General Electric guarantees CO and NOx emissions of 20 and 42 ppmvd corrected to 15% oxygen, respectively. Each unit will be restricted to an equivalent fuel consumption limit of 3390 hours of maximum natural gas firing during any consecutive 12 manths, of which no more than an equivalent 500 hours may be distillate oil firing. The draft permit authorizes steam injection far power augmentation (400 hours per year) and high temperature peaking (60 hours per year) when firing natural gas during periods of peak electrical power demand, typically summer. During power augmentation, the draft permit limits CO and NOx emissions to 15 and 12 ppmvd corrected to 15% oxygen, respectively. During high temperature peaking, the draft permit limits CO and NOx emissions to 9 and 15 ppmvd corrected to 15% oxygen, respectively.

e following table summarizes the final project emissions in tons per year and shows the corresponding PSD Significant Emissions Rate.

	ollutant	Project Potential Annual Emissions (Tons Per Year)	Significant Emissions Rote (Tons Per Year)	Significant? (Table 212.400-2)	BACT Required?
	O 10x M/PM10	138.5 374.5	100 40	Yes Yes	Yes Yes
ĺ	AM O2	35.0 5.1 66.5	15 . 7 40	Yes No Yes	Yes No Yes
ı	/OC	13.7	. 40	No .	No

An air quality impoct analysis was conducted. The ambient impact analysis predicted all'pollutant emissions to have an insignificant impact on Class I and Class II Areas. Emissions from the facility will not significantly contribute or cause a violation of ony state or federal ombient air quolity standard. The Deportment will issue the Final Permit with the ottached conditions unless o response received in accordance with the following procedures results in a different decision or significant change of terms

The Department will accept written comments and requests for public meetings concerning the pro-posed permit issuance action for a period of 30 (thirty) days from the date of publication of this Public Notice of Intent to Issue Air Construction Permit. Written comments and requests for public meetings should be provided to the Department's Bureau of Air Regulation of 2600 Blair Stone Road, Moil Station #5505, Tollohossee, FL 32399-2400. Any written comments filed shall be made avoilable 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,

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 ore affected by the proposed permitting decision may petition for an administrative proceeding (heoring) 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 porties 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 o 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 o 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 af 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 offected by the ogency 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 alteged, including the specific facts the petitioner contends warrant reversal ar madification 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 oction petitioner wishes the agency to take with respect to the agency's proposed action.

ulate final agency action, the filing of creat from the position taken by it in this cany such final decision of the Depart a party to the procession. The complete project file includes the application, technical evaluations, Draft Permit, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111. F.S. Interested persons may contact the Department's reviewing engineer for this project, 1eff Koerner, at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-0114, for additional information. ment on the application have the right to petition to become a party to the proceeding, in dance with the requirements set forth above.

Complete project file is available for public inspection during normal business hours, 8:00 v. 5:00 p.m., Monday through friday, except legal holidoys at: Box 15425) Environmental Protection 400 North Congress Avenue (P.O. Box 1 West Polm Beach, Florido 33416-5425 Telephone: 561/681-6600 Fox: 561/681-6755 in the top such facts are in dispute me material tacts upon which the Department's state that no such facts are in dispute and otherwise shall contain the same infradove, as required by Rule 28-106,301, F.A.C.

Because the administrative hearing process is designed to formulate final agency opetition means that the Department's final action may be different from the positionice. Persons whose substantial interests will be affected by any such final definent on the application have the right to petition to become a party to the parties. Department of Environme Southeast District Office Department of Environmental Protection Bureou of Air Regulation 111 S. Magnolía Drive, Suite 4 Tallahassee, Florido, 32301 Telephone: 850/488-0114 Telephone: 850/488 Fax: 850/922-6979

the same information

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Juno Bch, Fl 33408	3. Service Type Certified Mail Registered Receipt for Merchandise Insured Mail C.O.D.
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Schedule 9 Status Report and Specifications of Proposed Generating Facilities

Plant Name and Unit Number: Martin 5

(2)Capacity

a. Summer

419 MW

b. Winter

448 MW

Technology Type: Combined Cycle (3)

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To Ken Kosky	From
Co./Dept. Golder Assts	Co.
Phone # 352-336-5600	Phone #
Fax# 352-336-660	3 Fax #

Anticipated Construction Timing (4)

> a. Field construction start-date: b. Commercial In-service date:

2002 2006

(5)Fuel

(8)

a. Primary Fuel b. Alternate Fuel Natural Gas

Distillate

(6)Air Pollution and Control Strategy:

LNB

CP (Cooling Pond)

(Low Nox Burners)

Cooling Method: (7)

11,179 Acres

Construction Status: (9)

Total Site Area:

Ρ (Planned)

(10)Certification Status: (Planned)

Status with Federal Agencies: (11)

Ρ (Plannec)

(12)Projected Unit Performnace Data:

> Planned Outage Factor (POF): Forced Outage Factor (FOF):

3%

Equivalent Availability Factor (EAF):

1% 96%

Resulting Capacity Factor (%):

96% (First Year)

Average Net Operating Heat Rate (ANHOR):

6.081 Btu/kWh

Projected Unit Financial Data * (13)

Book Life (Years):

30 years

Total Installed Cost (In-Service Year \$/kW):

590

Direct Construction Cost (\$/kW):

AFUDC Amount (\$/kW):

464 54

Escalation (\$/kW):

72

Fixed O&M (\$/kW-Yr.):

12.02 (1998\$)

Variable O&M (\$/MWH):

0.67 (1998\$)

K Factor.

1.6480

From FPL's 10 Year Power Plant Site Plan April 1999

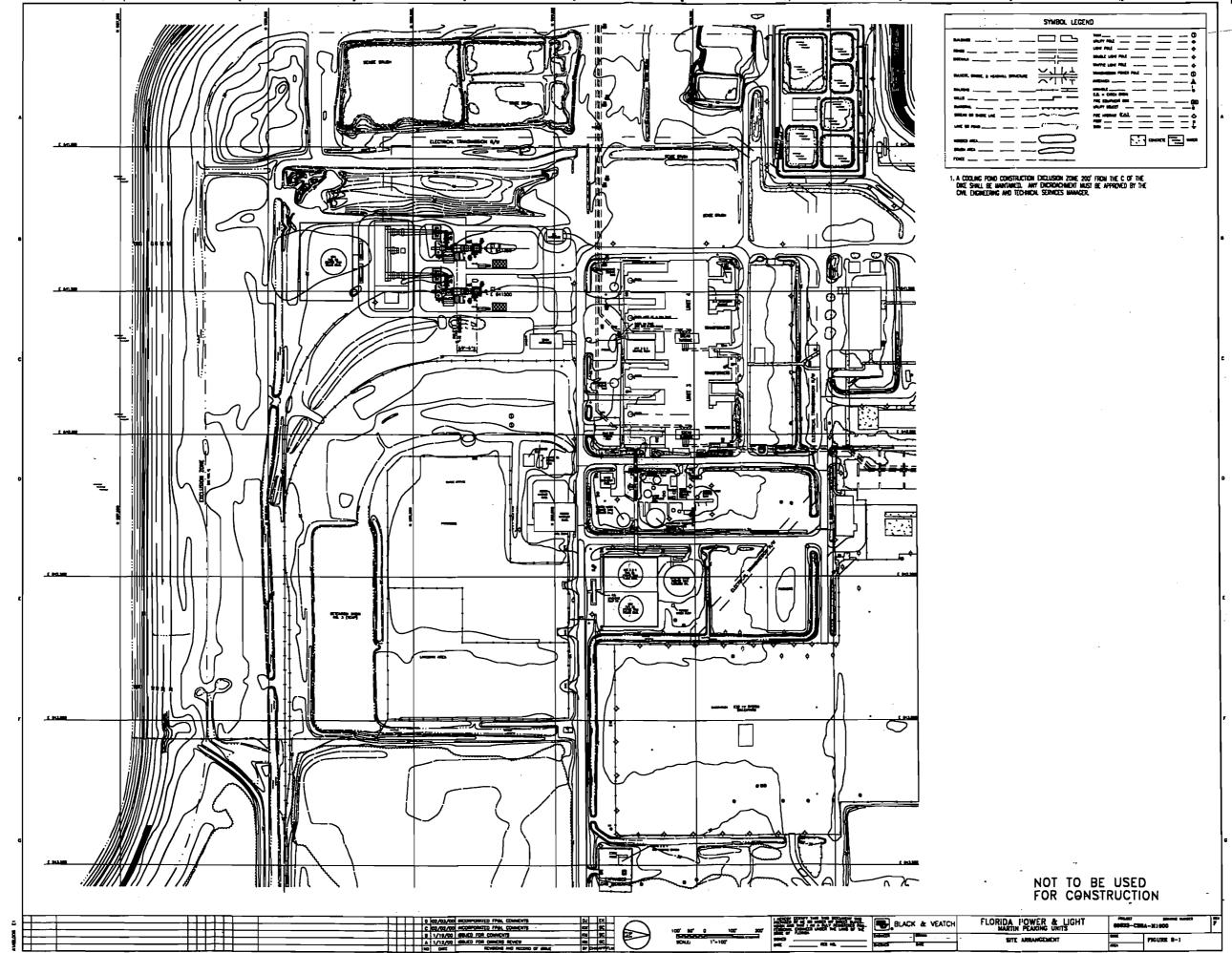
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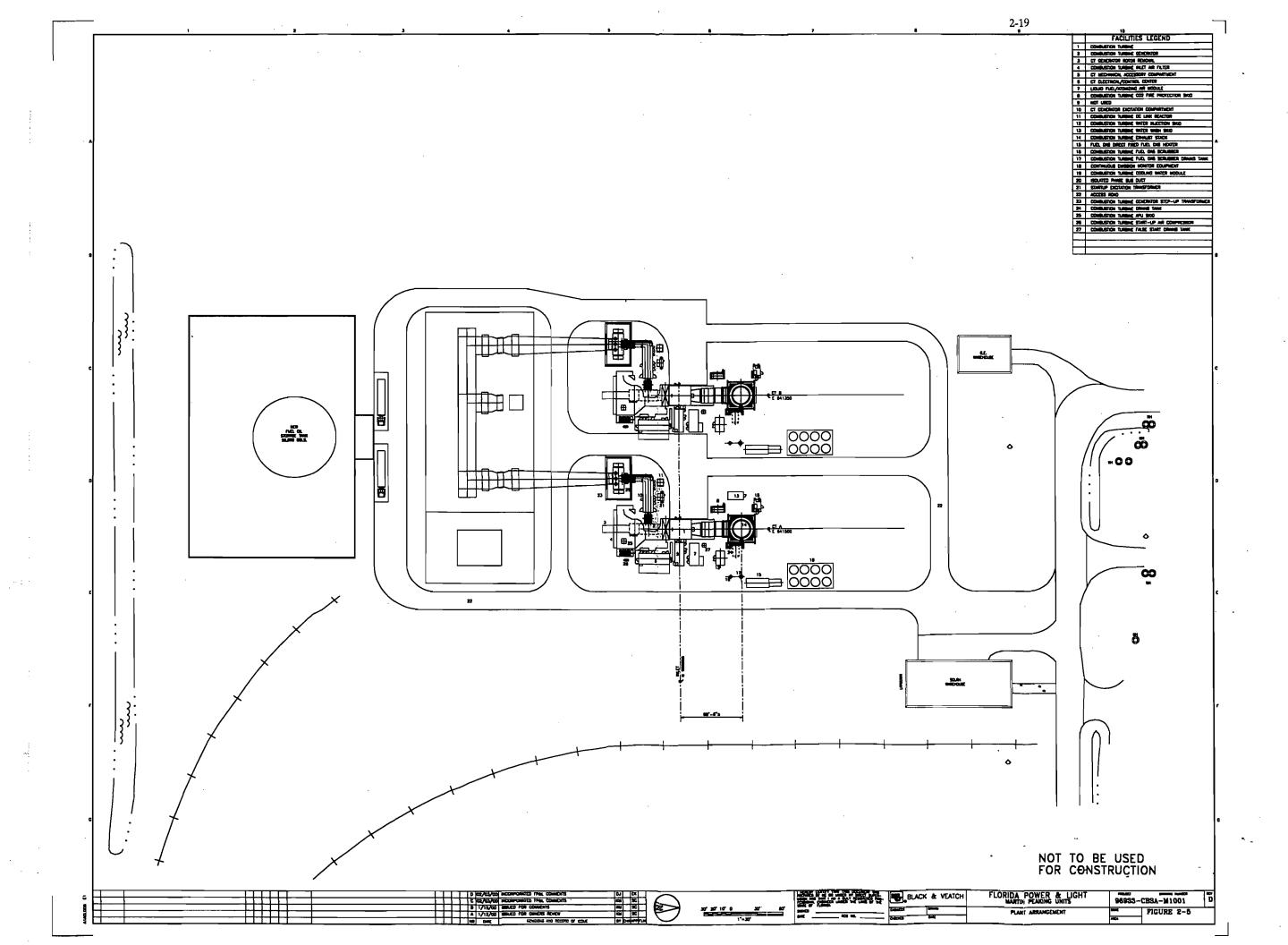
^{*} Fixed O&M cost includes capital replacement.

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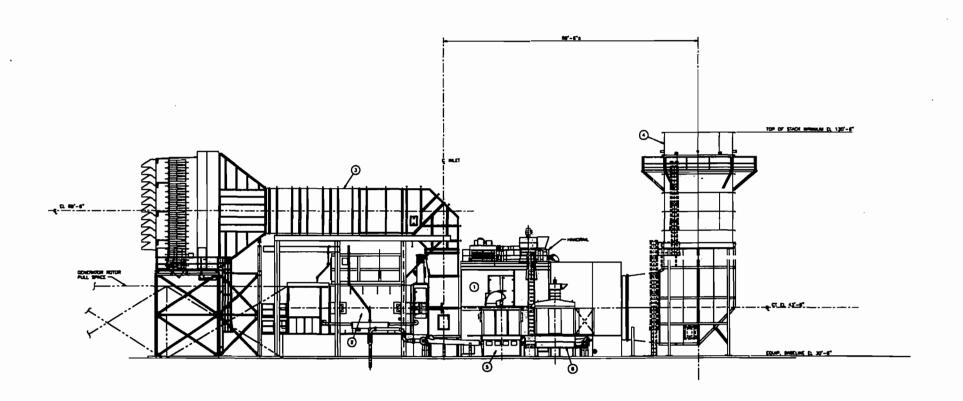
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5. Received By: (Print Name) 6. Signature: (Addressee or Agent) PS Form 3811. December 1994	8. Addressee's Address (Only if requested and fee is paid) 2595-98-B-0229 Domestic Return Receipt			
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