

Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

June 3, 1991

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Wayne C. Ondler, Principal Specialist
Environmental Affairs Department
Florida Power & Light Company
Post Office Box 078768
West Palm Beach, Florida 33407-0768

Dear Mr. Ondler:

Re: Florida Power & Light Company
Martin Coal Degasification/Combined Cycle Project
PSD-FL-146

Please find enclosed the above referenced permit. You have the right to petition for an administrative hearing pursuant to Section 120.57, Florida Statutes, within 14 days of receipt of this permit or file a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, within 30 days from the date this permit is filed with the Clerk of the Department. Further, you may request a public hearing. Such a request must be submitted within 30 days of receipt of this permit.

If you have any questions, please call Mr. Barry Andrews at (904)488-1344 or write to me at the above address.

Sincerely,

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

CHF/bm

enclosure

c: I. Goldman, SE District
J. Harper, EPA
C. Shaver, NPS
G. Sams, HBG&S

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of buisness on 6-5-91.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes, with
the designated Department Clerk,
receipt of which is hereby
acknowledged.

Kym Deber
Clerk

6-5-91
Date

Final Determination

Florida Power & Light
Martin Coal Gasification/Combined Cycle Project
Martin County

Permit Number: PSD-FL-146

Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Regulation

May 31, 1991

Final Determination

Florida Power & Light (FP&L) Company's PSD permit application (part of the Power Plant Siting application) has been reviewed by the Division of Air Resources Management. EPA Region IV indicated in their April 12, 1991 letter (see Attachment 2) that they had no adverse comments on the Technical Evaluation and Preliminary Determination (TE & PD). Comments were also received from FP&L dated April 17 and May 10, 1991 (see Attachments 3 and 5) and from the National Park Service dated May 3, 1991 (see Attachment 4). The Division concurs with FP&L's comments of April 17, 1991, and they will become part of the permit file. Each of the comments pertain to the narrative portion of the TE & PD. The National Park Service's (NPS) comments which pertain to BACT and Air Quality Analysis are addressed as follows:

BACT:

The NPS does not agree that the proposed 0.5 percent maximum sulfur content oil is consistent with what has been established as BACT on a national basis nor for recent permitting of gas turbines in Florida.

While it is true that BACT for some turbines recently permitted in Florida has been established by limiting the sulfur content of oil to a maximum of 0.20 percent, the FP&L Martin facility should not be viewed in this manner.

DER has limited some facilities to using very low sulfur content oil due to the fact that these facilities are expected to operate a significant portion of the time on oil (capacity factors ranging from 25 to 33 percent). This mode of operation differs from what is required at the Martin facility in which the oil firing shall be limited to 500 hours per turbine per year (equates to a capacity factor of approximately 5.7 percent). When this oil firing rate is taken into consideration with the requirement that the annual average sulfur content not exceed 0.3 percent, the Department believes that this BACT is as stringent as what has been established for other gas turbines in Florida and is also consistent with BACT on a national level.

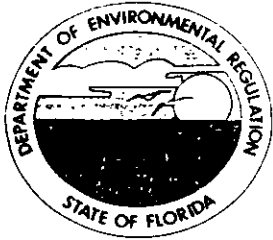
Air Quality Analysis:

The NPS is concerned that the emissions from the Martin facility, in combination with other increment-consuming sources, could cause Class I increment exceedances at the Everglades National Park.

The Martin County facility is located over 140 kilometers from the Everglades National Park Class I area, and at such a distance, the available, approved dispersion models cannot be relied upon to produce valid predictions of air pollutant concentrations. The long range transport model MESOPUFF II could be used for selected 24-hour periods, if approved by the EPA, but we believe that the limited meteorological data available (one upper air station) make the validity of this model little better than the standard Gaussian models. Therefore, we are not requiring any additional modeling analyses in the Class I area by the applicant at this time.

The Department agrees on the necessity to evaluate the total ambient pollution levels in the Park. These impacts should be based primarily on ambient monitoring data. Modeling can be completed for sources within approximately 50 kilometers or so of the Park, but much beyond this distance the predicted concentration levels should not be used for regulatory decision making. Ambient monitoring data taken in the Park can be used to account for the total impact of distant background sources in a reliable manner. Modeling can be used to identify the impacts of individual sources within 50 kilometers and the conditions (e.g., wind speed and directions) under which such sources have their greatest incremental impacts. Further analysis of these conditions could lead to a qualitative assessment of the threat to increment consumption posed by distant sources.

Although we do not believe that this particular application is the appropriate vehicle for requiring a full ambient impacts analysis on the Park, we do believe that if any one company should complete such analysis on the Park, it should be FP&L because of its numerous facilities in South Florida. As such, we will require FPL and a condition of its permit, to complete a total impacts and increments analysis on the Park area using the most reliable methodologies available as part of FP&L's application for phase II of the Martin project. Should such modeling indicate that sulfur dioxide emissions from phase I of the project causes increment exceedances at the park, the maximum sulfur content of the oil allowed in this permit has been conditioned such that it is subject to change.



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PERMITTEE:

Florida Power & Light Company
Post Office Box 078768
West Palm Beach, FL 33407-0768

Permit Number: PSD-FL-146

County: Martin

Latitude/Longitude: 27° 3' 18"N
80° 34' 02"W

Project: Martin CG/CC Project

This permit is issued under the provisions of Chapter 403, Florida Statutes and Florida Administrative Code Chapters 17-2, 17-4 and 17-17. The above named Permittee is hereby authorized to perform the work or operate the facility shown on the Application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Phase I of the Martin CG/CC Project consists of the addition of two new combined cycle units (Units 3 and 4) to the existing Martin Plant to be fired with natural gas and fuel oil. Each of the units will comprise two advanced combustion turbines and two heat recovery steam generators in a combined cycle configuration. The units will each have a generating capacity of approximately 400 megawatts, with natural gas as the primary fuel and low sulfur distillate oil as an alternate fuel. The Martin CG/CC Project has been certified under the Florida Electrical Power Plant Siting Act (Site Certification Number PA 89-27).

Nitrogen oxide emissions will be controlled by the use of dry low NO_x combustors for natural gas firing and steam injection for oil firing. In addition, fuel oil firing will be limited to an aggregate of 2000 hours per year for the four combustion turbines (CTs) comprising the two units and annual NO_x emissions will be limited to 3108 tons per year.

Construction shall be in accordance with the attached permit application and additional information submitted except as otherwise noted in the Specific Conditions.

Attachments are listed below:

1. Power plant site certification package PA 89-27 and its associated attachments.

PERMITTEE:
Florida Power & Light Company
Post Office Box 078768
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Permit Number: PSD-FL-146
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2. Letter from EPA dated April 12, 1991.
3. Letter from Florida Power & Light Company dated April 17, 1991.
4. Letter from National Park Service dated May 3, 1991.
5. Letter from Florida Power & Light Company dated May 10, 1991.
6. DER's Final Determination dated May 31, 1991.

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the Permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The Permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
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, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any 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 does not constitute a waiver of 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.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does

PERMITTEE:
Florida Power & Light Company
Post Office Box 078768
West Palm Beach, FL 33407-0768

Permit Number: PSD-FL-146
County: Martin
Latitude/Longitude: 27° 3' 18"N
80° 34' 02"W
Project: Martin CG/CC Project

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.

5. This permit does not relieve the Permittee from liability for harm or injury to human health and 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.

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.

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 any records that must be kept under the conditions of the permit;
- b. Inspecting 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.

PERMITTEE:
Florida Power & Light Company
Post Office Box 078768
West Palm Beach, FL 33407-0768

Permit Number: PSD-FL-146
County: Martin
Latitude/Longitude: 27° 3' 18"N
80° 34' 02"W
Project: Martin CG/CC Project

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 non-compliance, including exact 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.

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.

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 proscribed by Section 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.

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.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-30.300, as applicable. The Permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

PERMITTEE:
Florida Power & Light Company
Post Office Box 078768
West Palm Beach, FL 33407-0768

Permit Number: PSD-FL-146
County: Martin
Latitude/Longitude: 27° 3' 18"N
80° 34' 02"W
Project: Martin CG/CC Project

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- (x) Compliance with New Source Performance Standards

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 for 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:
 - the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

15. When requested by the Department, the Permittee shall within a reasonable time furnish any information required by law which

PERMITTEE:
Florida Power & Light Company
Post Office Box 078768
West Palm Beach, FL 33407-0768

Permit Number: PSD-FL-146
County: Martin
Latitude/Longitude: 27° 3' 18"N
80° 34' 02"W
Project: Martin CG/CC Project

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 submitted or corrected promptly.

SPECIFIC CONDITIONS:

The construction and operation of Martin CG/CC Project shall be in accordance with all applicable provisions of Chapters 17-2, F.A.C. In addition to the foregoing, the Project shall comply with the following Conditions of Certification as indicated.

(The following emission limitations and conditions reflect final BACT determinations for Units 3 and 4 firing natural gas and oil. Emission limitations and conditions concerning Phases II and III of the Project are preliminary based on information furnished by the Permittee in order to support certification of ultimate site capacity and shall be determined finally upon review of supplemental applications.)

1. The maximum heat input to each CT shall neither exceed 1966 MMBtu/hr while firing natural gas, nor 1846 MMBtu/hr while firing fuel oil (@ 40°F). For coal derived gas firing the maximum heat input to each CT shall not exceed 2100 MMBtu/hr (@ 75°F). These heat input limitations are subject to change. Any changes shall be provided at least 90 days before commercial operation for each fuel available to the site which a unit is capable of firing, at which time this condition may be modified to reflect those parameters. Each combined cycle unit's fuel consumption shall be continuously determined and recorded.
2. Each of the eight combustion turbines (CTs) may operate continuously, i.e., 8,760 hrs/year.
3. Only natural gas, light distillate fuel oil, or coal derived gas shall be fired in the combustion turbines.
4. The maximum allowable emissions from each CT in accordance with the BACT determination, shall not exceed the following, at 40°F (except during periods of startup and shutdown):

PERMITTEE:
 Florida Power & Light Company
 Post Office Box 078768
 West Palm Beach, FL 33407-0768

Permit Number: PSD-FL-146
 County: Martin
 Latitude/Longitude: 27° 3' 18"N
 80° 34' 02"W
 Project: Martin CG/CC Project

Pollutant	Fuel	Basis	Emission Limitations ^d					
			Units 3 & 4		Units 5 & 6			
			lb/hr/CT	TPY ^a	lb/hr/CT	TPY ^a		
NOx	Gas	25 ppmvd @ 15% O ₂	177	comb.]	3108	177	comb.]	3108
	Oil	65 ppmvd @ 15% O ₂	461	tot.]		461	tot.]	
	CG	42 ppmvd @ 15% O ₂	392		6868	392	6868	
VOC ^b	Gas	1.6 ppmvd	3	comb.]	57	3	comb.]	57
	Oil	6 ppmvd	11	tot.]		11	tot.]	
	CG	9 ppmvd	21.4		375	21.4	375	
CO	Gas	30 ppmvd	94.3	comb.]	871	94.3	comb.]	871
	Oil	33 ppmvd	105.8	tot.]		105.8	tot.]	
	CG	33 ppmvd	134		2348	134	2348	
PM/PM ₁₀	Gas		18	comb.]	100	18	comb.]	100
	Oil		60.6	tot.]		60.6	tot.]	
	CG		19		333	19	333	
Pb	Gas		neg.	comb.]	0.015	neg.	comb.]	0.015
	Oil		0.015	tot.]		0.015	tot.]	
	CG		0.3		5.3	0.3	5.3	
SO ₂	Gas		91.5	comb.]	568	91.5	comb.]	568
	Oil ^c		920	tot.]		920	tot.]	
	CG		834		14612	834	14612	

- a) Tons per year (TPY) emission limits listed for natural gas and oil combined apply as an emission cap based on limiting oil firing to an annual aggregate of 2000 hours for the 4 CTs, with compliance to be demonstrated in annual operation reports.
- b) Exclusive of background concentrations.
- c) Sulfur dioxide emissions based on a maximum of 0.5 percent sulfur in oil for hourly emissions and an

PERMITTEE:
 Florida Power & Light Company
 Post Office Box 078768
 West Palm Beach, FL 33407-0768

Permit Number: PSD-FL-146
 County: Martin
 Latitude/Longitude: 27° 3' 18"N
 80° 34' 02"W
 Project: Martin CG/CC Project

average sulfur content of 0.3 percent for annual emissions. These sulfur content limitations are subject to change based on the analysis required in Condition 12.

- d) These limitations for Units 5 and 6 and coal gasification shall not be binding for subsequent BACT determinations.

5. The following emissions, determined by BACT, are tabulated for PSD and inventory purposes:

Pollutant	Fuel	Maximum Allowable Emissions (@ 40°F)			
		Units 3 & 4		Units 5 & 6	
		lb/hr/CT	TPY ^a	lb/hr/CT	TPY ^a
H ₂ SO ₄ ^b Acid Mist	Gas	11.2	comb.]	11.2	comb.]
	Oil	113	tot.]	113	tot.]
	CG	102	1787	102	1787
Mercury	Gas	0.021	comb.]	0.021	comb.]
	Oil	0.0052	tot.]	0.0052	tot.]
	CG	0.024	0.42	0.024	0.42
Fluoride	Oil	0.055	0.055	0.055	0.055
Beryllium	Oil	0.004	0.004	0.004	0.004

- a) Tons per year (TPY) emission limits listed for natural gas and oil combined apply as an emission cap based on limiting oil firing to an annual aggregate of 2000 hours for the 4 CTs, with compliance to be demonstrated in annual operation reports.
- b) Sulfuric acid mist emissions assume a maximum of 0.5 percent sulfur in fuel oil for hourly emissions and an average sulfur content of 0.3 percent for annual emissions.

PERMITTEE: Permit Number: PSD-FL-146
 Florida Power & Light Company County: Martin
 Post Office Box 078768 Latitude/Longitude: 27° 3' 18"N
 West Palm Beach, FL 33407-0768 80° 34' 02"W
 Project: Martin CG/CC Project

6. The maximum allowable emissions from each gasifier incinerator stack shall not exceed the following at 75°F:

Pollutant	Lb/hr/Stack	TPY/Stack	4 Stacks
NOx	61	268	1069
VOC	Negl.	Negl.	Negl.
CO	Negl.	Negl.	Negl.
PM/PM10	Negl.	Negl.	Negl.
SO ₂	32	140.2	555
Beryllium	0.0005	0.002	0.008
Mercury	0.008	0.035	0.140
Lead	0.05	0.22	0.88

7. Auxiliary Steam Boilers and Diesel Generators shall operate only during start-up and shut down, and for emergency power generation, respectively. NOx emissions for the auxiliary steam boilers shall not exceed 0.1 lb/MMBtu for natural gas firing or 0.2 lb/MMBtu for oil firing. NOx emissions for the diesel generators shall not exceed 12.0 grams/hp-hr.

Sulfur dioxide emissions limitations for the auxiliary steam boilers and diesel generators are established by firing natural gas or limiting the light distillate fuel oil's sulfur content to 0.3% on an annual basis.

8. Visible emissions shall neither exceed 10% opacity while burning natural gas or coal derived gas, nor 20% opacity while burning distillate oil.

9. Nitrogen oxide emissions from each gas turbine/heat recovery steam generator unit shall be controlled by using dry low NO_x combustors for natural gas with steam injection for fuel oil firing. The Permittee shall install duct module(s) suitable for future installation of SCR equipment on each combined cycle generating unit.

10. Initial (I) compliance tests shall be performed on each Combustion Turbine using both fuels. The stack test for each turbine shall be performed within 10% of the maximum heat rate input for the tested operating temperature. Annual (A) compliance tests shall be performed on each Combustion Turbine

PERMITTEE: Permit Number: PSD-FL-146
Florida Power & Light Company County: Martin
Post Office Box 078768 Latitude/Longitude: 27° 3' 18"N
West Palm Beach, FL 33407-0768 80° 34' 02"W
Project: Martin CG/CC Project

with the fuel(s) used for more than 400 hours in the preceding 12-month period. Tests shall be conducted using EPA reference methods in accordance with the November 2, 1989, version of 40 CFR 60 Appendix A:

- a. 5 or 17 for PM (I, A, for oil only)
- b. 8 for sulfuric acid mist (I, for oil only)
- c. 9 for VE (I, A)
- d. 10 for CO (I, A)
- e. 20 for NO_x (I, A)
- f. 18 for VOC (I, A)
- g. Trace elements of Lead (Pb) and Beryllium (Be) shall be tested (I, for oil only) using EMTIC Interim Test Method. As an alternative, Method 104 for Beryllium (Be) may be used; or Be and Pb may be determined from fuel analysis using either Method 7090 or 7091, and sample extraction using Method 3040 as described in the EPA solid waste regulations SW 846.
- h. ASTM D 2880-71 (or equivalent) for sulfur content of distillate oil (I, A)
- i. ASTM D 1072-80, D 3031-81, D 4084-82 or D 3246-81 (or equivalent) for sulfur content of natural gas (I, and A if deemed necessary by DER)
- j. Mercury (Hg) shall be tested using EPA Method 101 (40 CFR 61, Appendix B) (I)

Other DER approved methods may be used for compliance testing after prior Departmental approval.

11. The average annual sulfur content of the light distillate fuel oil shall not exceed 0.3% by weight. The maximum sulfur content of the light distillate fuel oil shall not exceed 0.5%. Compliance shall be demonstrated in accordance with the

PERMITTEE: Permit Number: PSD-FL-146
Florida Power & Light Company County: Martin
Post Office Box 078768 Latitude/Longitude: 27° 3' 18"N
West Palm Beach, FL 33407-0768 80° 34' 02"W
Project: Martin CG/CC Project

requirements of 40 CFR 60.334 by testing for sulfur content of oil storage tanks once per day when firing oil using ASTM D 2880-71, testing for nitrogen content, and testing for heating value.

12. In the supplemental application for approval of Phase II of the Project, the applicant shall include a cumulative air quality impact analysis and a PSD increment consumption analysis for the Everglades National Park Class I area.

13. Continuous emission monitoring shall be installed, operated, and maintained in accordance with 40 CFR 60, Appendix (F) for each combined cycle unit to monitor nitrogen oxides.

Portland Cement Plants

- a. Each continuous emission monitoring system (CEMS) shall meet performance specifications of 40 CFR 60, Appendix B.
- b. CEMS data shall be recorded and reported in accordance with Chapter 17-2, F.A.C., and 40 CFR 60. The record shall include periods of startup, shutdown and malfunction.
- c. A malfunction means any sudden and unavoidable failure of air pollution control equipment or process equipment to operate in a normal or usual manner. Failures that are caused entirely or in part by poor maintenance, careless operation or any other preventable upset condition or preventable equipment breakdown shall not be considered malfunctions.
- d. The procedures under 40 CFR 60.13 shall be followed for installation, evaluation and operation of all CEMS.
- e. For purposes of reports required under this certification, excess emissions are defined as any calculated average emission concentration, as determined pursuant to Condition No. II.A.18 herein, which exceeds the applicable emission limits in Condition No. II.A.4.

14. To determine compliance with the oil firing heat input limitation, the Permittee shall maintain daily records of fuel oil consumption and hourly usage for each turbine and heating

PERMITTEE: Permit Number: PSD-FL-146
Florida Power & Light Company County: Martin
Post Office Box 078768 Latitude/Longitude: 27° 3' 18"N
West Palm Beach, FL 33407-0768 80° 24' 02"W
Project: Martin CG/CC Project

value for such fuel. All records shall be maintained for a minimum of three years after the date of each record and shall be made available to representatives of the Department upon request.

15. The project shall comply with all the applicable requirements of Chapter 17-2, Florida Administrative Code (F.A.C.) and the June 27, 1989, version of 40 CFR 60 Subpart GG, Gas Turbines.

16. Any change in the method of operation, fuels, or equipment, shall be submitted for approval to DER's Bureau of Air Regulation (BAR).

17. The Permittee shall have required sampling tests of the emissions performed within 60 days after achieving the maximum turbine firing rate, but not later than 180 days from the start of operation. Thirty (30) days notice prior to the initial sampling test and fifteen (15) days notice before subsequent annual testing shall be provided to the Southeast District office. Written reports of the tests shall be submitted to the Southeast District office within 45 days of test completion.

18. If construction does not commence on Phase I within 18 months of issuance of this certification/permit, then the Permittee shall obtain from DER a review and, if necessary, a modification of the control technology and allowable emissions for the unit(s) on which construction has not commenced (40 CFR 52.21(r)(2)). Units to be constructed or modified in later phases of the project will be reviewed and limitations revisited under the supplementary review process of the Power Plant Siting Act.

19. Quarterly excess emission reports, in accordance with the November 2, 1989, version 40 CFR 60.7(c) and 60.334(c) shall be submitted to DER's Southeast District office. Annual reports shall be submitted to the District office in accordance with F.A.C., Rule 17-2.700(7).

20. Literature of equipment selected shall be submitted as it becomes available. A CT-specific graph of ambient temperature and heat inputs to the CT shall be submitted to DER's Southeast District office and the BAR.

PERMITTEE: Permit Number: PSD-FL-146
 Florida Power & Light Company County: Martin
 Post Office Box 078768 Latitude/Longitude: 27° 3' 18"N
 West Palm Beach, FL 33407-0768 80° 34' 02"W
 Project: Martin CG/CC Project

21. Stack sampling facilities shall be provided for each of the CT and incinerator stacks.

22. Construction period fugitive dust emissions shall be minimized by covering or watering dust generation areas.

23. The materials handling and storage operations may be continuous, i.e. 8760 hrs/yr.

24. The material handling/usage rates shall not exceed the following:

Material	Handling/Usage Rate TPY
Coal	6,935,000
Slag and Fly Slag	1,700,000
Sulfur	310,000
Spent Solvent	80
Spent Claus Catalyst	80
Demineralizer Resin Beds	70

25. The maximum particulate matter emissions from the material handling and storage activities shall not exceed 1,566 tons per year. Emissions from these sources shall be controlled using the following measures:

<u>Fugitive Dust Source</u>	<u>Control Technology</u>
Coal Unloading	Enclosed with Dry Collection System
Limestone Unloading	Wet Suppression System ¹
Conveyers and Transfer Points (Coal, Limestone, Slag)	Transfer Points Enclosed with Dry Collection System. Conveyors Covered.
Coal Storage (Inactive)	Crusting Agent Application (60% Control)
Coal Storage (Active)	Surfactant Application ¹

PERMITTEE: Florida Power & Light Company
 Post Office Box 078768
 West Palm Beach, FL 33407-0768

Permit Number: PSD-FL-146
 County: Martin
 Latitude/Longitude: 27° 3' 18"N
 80° 34' 02"W
 Project: Martin CG/CC Project

Coal Storage (Active) and Reclaiming	Surfactant Application ¹
Limestone Storage	Crusting Agent Application ¹
Slag Transport to By-Product Storage Area	Paved Road Covered Conveyor (95% Control)
Slag By-Product Storage Area (Inactive)	Topsoil Covered and Seeded (100% Control)
Slag By-Product Storage Area (Active)	Compaction, Temporary Cover (Natural or Synthetic)
Sulfur Storage	Stored in molten state in tanks or in crystalline slab arrangement.

¹ Undefined rate of fugitive dust control.

The emissions from the above listed sources where baghouses are used are subject to the particulate emission limitation requirements of 0.03 gr/dscf. However, DER will not require particulate tests in accordance with EPA Method 5 unless the VE limit of 5% opacity is exceeded for a given source, or unless DER, based on other information, has reason to believe the particulate emission limits are being violated.

26. Visible Emissions (VE) shall not exceed 5% opacity from any source in the material handling and treatment area, in accordance with F.A.C., Chapter 17-2.

27. Initial and annual Visible Emission compliance tests for all the emission points in the material handling and treatment area, including, but not limited to, the sources specified in this permit, shall be conducted in accordance with the November 2, 1989, version of 40 CFR 60, using EPA Method 9 or DER approved method.

28. Compliance test reports shall be submitted to DER within 45 days of test completion in accordance with Chapter 17-2.700(7) of the F.A.C.

PERMITTEE: Permit Number: PSD-FL-146
Florida Power & Light Company County: Martin
Post Office Box 078768 Latitude/Longitude: 27° 3' 18"N
West Palm Beach, FL 33407-0768 80° 34' 02"W
Project: Martin CG/CC Project

29. Any changes in the method of operation, raw materials processed, equipment, or operating hours or any other changes pursuant to F.A.C. Rule 17-2.100, defining modification, shall be submitted for approval to DER's BAR.

Issued this 31st day of May. 1991.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



Carol M. Browner
Secretary

ATTACHMENT 1

Available upon Request