

John



September 30, 1996

Mr. Clair Fancy, P.E.  
State of Florida  
Department of Environmental Protection  
Division of Air Resources Management  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

**RECEIVED**  
OCT 7 1996  
BUREAU OF  
AIR REGULATION

**Re: FPL's Title V Permit Applications**

Dear Mr. Fancy:

It has come to my attention that FPL submitted certain Title V permit applications containing some inconsistencies. This correspondence is to clarify these inconsistencies, so as to minimize confusion during the processing of these applications.

**1. Port Everglades Application - Heat Input Rate.** FPL has inadvertently provided several different values for heat input rates of the Port Everglades Units 3 and 4 in different parts of the application. The values we intended to use were 4,000 mmBtu per hour for firing residual oil fuel, and 4,180 mmBtu per hour firing natural gas fuel. Revised pages for Application Section III.C. and Attachment PPEU3\_10.txt (Alternative Methods of Operation) are enclosed; please insert them in the four (4) hard copies of the Title V applications which were provided to your office in June of this year.

original  
letter  
file  
Fac. 1/15/96  
0110036

**2. Turkey Point Fossil Application - Heat Input Rate.** FPL has also inadvertently provided several different values for heat input rates of the Turkey Point Units 1 and 2 in different parts of the application. As in the Port Everglades application, the values we intended to use were 4,000 mmBtu per hour for firing residual oil fuel, and 4,180 mmBtu per hour firing natural gas fuel. Revised Attachments PTFU1-10.txt (Alternative Methods of Operation) and PTFU1-12.txt (Identification of Additional Applicable Requirements) are enclosed; please insert them into the four (4) hard copies of the Title V applications which were provided to your office in June of this year.

copy  
letter  
-Cl  
Fac. 1/15/96  
0250023

My apologies for the mixup; I look forward to working with the Department on reviewing these applications. If you have any questions, please do not hesitate to contact me at (561) 625-7661.

Very truly yours,

Richard Piper  
Senior Environmental Specialist  
Florida Power & Light Company

**Attachment PTFU1\_10.txt**  
**Alternative Methods of Operation**

Operation at Various Capacities and heat input rates

The Turkey Point boilers currently may be operated up to 8760 hours per year at heat input rates from zero to 3,850 MMBtu per hour on #6 oil, and from zero to 4,025 MMBtu per hour on natural gas. FPL has included a heat input value of 4,000 mmBtu per hour for this emission unit while firing residual oil, and 4,180 mmBtu per hour while firing natural gas. There are 7 identical boiler units in the FPL system with the same design. The 4,000 / 4,180 mmBtu values are representative of each of the 7 units. When a blend of fuel oil and natural gas are burned, the heat input is prorated based upon the percent heat input of each fuel.

Different Fuel Types

The units may each burn low sulfur fuel oil containing a maximum concentration of 1% by weight, natural gas, or a mixture of intermediate sulfur fuel oil of variable concentration of sulfur (by wt) and natural gas in a ratio which will result in a maximum SO<sub>2</sub> emission rate of 1.1 lb/mmBtu. The units may also burn on-specification used oil meeting EPA specifications under 40 CFR 279.11. The units may occasionally utilize propane fuel to light off (start up) the boiler, then switch to another fuel, such as #6 residual oil.

Current emissions limitations are as follows:

| Pollutant                       | Emission Limit  |
|---------------------------------|---|
| Particulate matter-Steady state | 0.1 lb/MMBtu  |
| Particulate matter-Sootblowing  | 0.3 lb/MMBtu  |
| Sulfur dioxide                  | 1.1 lb/MMBtu  |
| Nitrogen oxides                 | 0.40 lb/MMBtu (natural gas, 30-day rolling average)<br>0.53 lb/MMBtu (residual oil, 30-day rolling average) |

Soot blowing

The units may blow soot for up to 24 hours per day, so long as excess emissions are limited to 60% opacity for 3 hours in 24 hours with up to four 6-minute periods of up to 100% opacity.

Utilization of Additives

When residual oil is fired, additives such as Magnesium hydroxide Mg(OH)<sub>2</sub> are added to the boiler on a continuous basis. This material is typically added to the fuel oil just prior to its being fed into the furnace, but it may also be injected into the boiler via the I.K. soot blower lances and through manual hand lances on a batch basis, rather than continuously. The dosage rate is based on the quantity of fuel burned and the amount of ash in the fuel. FPL reserves the right to use other additives if they are suitable.

**Attachment PTFU1\_10.txt**  
**Alternative Methods of Operation**

Evaporation of Spent Boiler Chemical Cleaning Chemicals

On a periodic basis, as part of routine maintenance, the inside of the steam generator tubes (boiler tubes) at the Turkey Point units are cleaned using a series of chemical solutions that remove deposited scale which adversely affects the efficiency and reliability of the generating units.

The solutions and rinsewaters are collected in large mobile tanks ("frac tanks") pursuant to guidance issued by the Department. Upon completion of the cleaning process and prior to disposal of the spent cleaning solution and rinses, representative sampling of the liquids collected in the "frac tanks" is conducted as per 40 CFR 261, Appendix I, to determine the hazardous waste status of the accumulated wastewater, using Toxicity Characteristic Leaching Procedure (TCLP) analysis.

If the wastewater is determined to be hazardous, it will be managed as such in accordance with 40 CFR 262.34, 40 CFR 265 Subpart I, and 40 CFR 268 with respect to generators accumulating and treating waste in containers and tanks. An appropriate waste analysis plan will be developed to determine and document the pre- and post-treatment characteristics of the wastewater. Hazardous waste may also be transported to an approved offsite hazardous waste facility for the appropriate disposal.

If the spent cleaning solution and rinses are determined to be non-hazardous, they are then disposed by evaporation in the units boiler. Introduction into the boiler will occur at a rate that will not cause an exceedence of the opacity limit of the unit in which evaporation is occurring (in this case, 40 percent opacity).

## Attachment PTFU1\_12.txt Identification of Additional Applicable Requirements

Applicable Requirements as defined in Rule 62-210.200(29) not identified in Section D of this emission unit section are included in this attachment of the application. Any air operation permit issued by the Department (or local program designee) and included in this attachment is provided for information purposes. The specific conditions of the operating permit are not Applicable Requirements as defined in Rule 62-210.200(29) unless implementing a specific Applicable Requirement of the Department's rules (e.g. emission limitations and consent orders).

A013-238939 Permit contains the following conditions:

1. The boiler fuel firing rate shall not exceed 3,850 mmBtu/hr during fuel oil firing or 4,025 mmBtu/hr during gas firing. Each boiler can operate continuously (8760 hours per year). *FPL uses fuel sampling and analysis to monitor the heat input rate to the boiler. Note: FPL has provided heat input values of 4,000 mmBtu/hour on residual oil fuel, and 4,180 mmBtu/hour on natural gas fuel in this application for both the Port Everglades 3 and 4 units, and the Turkey Point 1 and 2 units. The previous heat input limits for these units, (which were not federally enforceable), are inconsistent with the heat input limits at the Cape Canaveral units 1 and 2, which are identical "sister" units. FPL proposes that the Department adjust the heat input limits to the 4,000 and 4,180 values for consistency, and to eliminate an unnecessary restriction on the operation of the Port Everglades and Turkey Point units.*

2. The boiler shall be fired with a variable combination of no.6 residual oil, no.2 fuel oil, natural gas, propane gas and on-specification used oil from FPL operations. *FPL fires the fuels as specified, and maintains records to demonstrate this.*

3. The maximum allowable emissions from each boiler shall not exceed the following emission limitations.

### MAXIMUM ALLOWABLE EMISSION LIMITS

| Pollutant   | Fuel        | lb/mmBtu                     | Test Method           |
|---|-------------|------------------------------|-----------------------|
| Particulate Matter <sup>(1)</sup><br>Steady state       | Oil         | 0.1                          | EPA Method 5 or 17    |
|   | sootblowing | Oil<br>0.3<br>(max. 3 hours) | EPA Method 5 or 17    |
| SO <sub>2</sub> <sup>(3)</sup>                          | Oil         | 2.75                         | Monthly fuel analysis |
| NO <sub>x</sub> -RACT<br>NO <sub>x</sub> <sup>(2)</sup> | Oil         | 0.53<br>or 2,041lbs/hr       | CEM                   |
| NO <sub>x</sub> <sup>(2)</sup>                          | Gas         | 0.40<br>or 1,610 lbs/hr      | CEM                   |

*(1) For compliance with each of these emission limits, FPL uses annual stack tests.*

*These limits, based on a 30-day rolling average, apply at all times except during periods of startup, shutdown, or malfunction as provided by F.A.C rule 17-210.700.*

*(3) Dade County has established an SO<sub>2</sub> limit of 1.1 lb/mmBtu. This limit is not federally enforceable and therefore not an applicable requirement*

4. To determine compliance with the oil firing heat input limitation, the Permittee shall maintain daily records of fuel oil consumption for each boiler and monthly records of heating 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 DER upon request.

*FPL has the records required by the above permit condition and such records are available to the Department for review.*

5. Any change in the method of operation, fuels or equipment shall be submitted for approval to DER's bureau of Air Regulation. *FPL has not undertaken any such changes, but if changes are contemplated, will notify the department as specified.*

**C. EMISSIONS UNIT DETAIL INFORMATION  
(Regulated Emissions Units)**

**Emissions Unit Details**

|  |       |
|--|-------|
| 1. Initial Startup Date (DD-MON-YYYY): 04/01/65  |       |
| 2. Long-term Reserve Shutdown Date (DD-MON-YYYY):  |       |
| 3. Package Unit:<br>Manufacturer: GE/Foster Wheeler<br>Number:   | Model |
| 4. Generator Nameplate Rating: 402 MW  |       |
| 5. Incinerator Information:<br>Dwell Temperature: °F<br>Dwell Time: seconds<br>Incinerator Afterburner Temperature: °F |       |

**Emissions Unit Operating Capacity**

|  |  |
|--|--|
| 1. Maximum Heat Input Rate: 4180 mmBtu/hr  |  |
| 2. Maximum Incineration Rate:   lbs/hr<br>tons/day   |  |
| 3. Maximum Process or Throughput Rate:   Units:  |  |
| 4. Maximum Production Rate:            Units:  |  |
| 5. Operating Capacity Comment (limit to 200 characters):<br>The maximum heat input rate given above reflects natural gas firing. Maximum heat input rate for residual oil is 4000 mmBtu/hour. Method of compliance for heat input is fuel sampling & analysis. |  |

**Emissions Unit Operating Schedule**

|                                       |           |          |               |
|---------------------------------------|-----------|----------|---------------|
| Requested Maximum Operating Schedule: |           |          |               |
| hours/day                             | days/week | weeks/yr | 8760 hours/yr |

**C. EMISSIONS UNIT DETAIL INFORMATION  
(Regulated Emissions Units)**

**Emissions Unit Details**

|  |
|--|
| 1. Initial Startup Date (DD-MON-YYYY): 06/01/64  |
| 2. Long-term Reserve Shutdown Date (DD-MON-YYYY):  |
| 3. Package Unit:<br>Manufacturer: GE / Foster Wheeler <span style="float:right">Model</span><br>Number: NA             |
| 4. Generator Nameplate Rating: 402 MW  |
| 5. Incinerator Information:<br>Dwell Temperature: °F<br>Dwell Time: seconds<br>Incinerator Afterburner Temperature: °F |

**Emissions Unit Operating Capacity**

|  |
|--|
| 1. Maximum Heat Input Rate: 4180 mmBtu/hr  |
| 2. Maximum Incineration Rate:   lbs/hr<br>tons/day   |
| 3. Maximum Process or Throughput Rate:   Units:  |
| 4. Maximum Production Rate:            Units:  |
| 5. Operating Capacity Comment (limit to 200 characters):<br>The maximum heat input rate given above reflects natural gas firing. Maximum heat input rate for residual oil is 4000 mmBtu/hour. Method of compliance for heat input is fuel sampling & analysis. |

**Emissions Unit Operating Schedule**

|                                       |               |
|---------------------------------------|---------------|
| Requested Maximum Operating Schedule: |               |
| hours/day                             | days/week     |
| weeks/yr                              | 8760 hours/yr |

**Attachment PPEU3\_10.txt**  
**Alternative Methods of Operation**

Operation at Various Capacities and Heat Input Rates

The Port Everglades Units 3 and 4 boilers currently may each be operated up to 8760 hours per year at heat input rates from zero to 3,850 MMBtu per hour on No.#6 oil, and from zero to 4,025 MMBtu per hour on natural gas. FPL has included a heat input value of 4,000 mmBtu per hour for this emission unit for firing distillate oil, and 4,180 mmBtu per hour for firing natural gas. There are 7 identical boiler units in the FPL system with the same design. The 4,000 / 4,180 mmBtu values are representative of each of the 7 units. When a blend of fuel oil and natural gas are burned, the heat input is prorated based upon the percent heat input of each fuel.

Different Fuel Types

The units may be fired with a variable combination of No. 6 residual fuel oil, natural gas, or No. 2 fuel oil. The unit may occasionally utilize propane fuel to light off (start up) the boiler, then switch to another fuel, such as No.6 residual oil. The units may also burn on-specification used oil meeting EPA specifications under 40 CFR 279.11. The quantity of on-specification used oil shall not exceed 2,442,972 gallons per year for Units 3 and 4.

Current emissions limitations are as follows:

| <u>Pollutant</u>                | <u>Emission Limit</u>                                |
|---------------------------------|--|
| Particulate matter-steady state | 0.1 lb/MMBtu   |
| Particulate matter-soot blowing | 0.3 lb/MMBtu   |
| Sulfur dioxide                  | 2.75 lb/MMBtu  |
| Nitrogen oxides                 | 0.4 lb/mmBtu (natural gas, 30-day rolling average)   |
|                                 | 0.53 lb/mmBtu (residual oil, 30-day rolling average) |

Oil and Gas Co-firing

These emission units may co-fire natural gas with residual oil. When combusting both fuels simultaneously, the percentage of natural gas will be adjusted to ensure that the applicable SO<sub>2</sub> emission limit and visible emission limits are complied with.

Soot blowing

The units may blow soot for up to 24 hours per day, so long as excess emissions are limited to 60% opacity for 3 hours in 24 hours with no more than four 6-minute periods of up to 100% opacity.

Utilization of Additives

Additives such as Magnesium hydroxide Mg(OH)<sub>2</sub> are added to the boiler periodically at various loads. When magnesium hydroxide is used, it is injected into the boiler via the I.K. soot blower lances and through manual hand lances on a batch basis, rather than continuously. The dosage rate is based on the quantity of fuel burned and the amount of ash in the fuel. FPL reserves the right to use other additives if they are suitable.

Off-Stoichiometric Combustion

This technique involves operating selected burners at fuel-rich mixture ratios. The proportion of fuel burned at peak temperatures in the presence of excess air is reduced and results in reduced NO<sub>x</sub> emissions. At Port Everglades, the method for performing off-stoichiometric combustion is to terminate the fuel flow to selected burners and utilize these burners as excess air ports. The other burners are then operated at a fuel-rich mixture ratio. This is also known as a bias-firing scheme.



**Attachment PPEU3\_10.txt**  
**Alternative Methods of Operation**

Evaporation of Spent Boiler Chemical Cleaning Chemicals

On a periodic basis, as part of routine maintenance, the inside of the steam generator tubes (boiler tubes) at Port Everglades Unit 3 and 4 are cleaned using a series of chemical solutions that remove deposited scale which adversely affects the efficiency and reliability of the generating units.

After the second stage treatment, three or more rinses are performed, in order to wash the cleaning solution from the inside of the boiler tubes. The solutions and rinsewaters are collected in large mobile tanks ("frac tanks") pursuant to guidance issued by the Department. Upon completion of the cleaning process and prior to disposal of the spent cleaning solution and rinses, representative sampling of the liquids collected in the "frac tanks" is conducted as per 40 CFR 261, Appendix I, to determine the hazardous waste status of the accumulated wastewater, using Toxicity Characteristic Leaching Procedure (TCLP) analysis.

If the wastewater is determined to be hazardous, it will be managed as such in accordance with 40 CFR 262.34, 40 CFR 265 Subpart I, and 40 CFR 268 with respect to generators accumulating and treating waste in containers and tanks. An appropriate waste analysis plan will be developed to determine and document the pre- and post-treatment characteristics of the wastewater. Hazardous waste may also be transported to an approved offsite hazardous waste facility for the appropriate disposal.

If the spent cleaning solution and rinses are determined to be non-hazardous, they are then disposed by evaporation in the units boiler. Introduction into the boiler will occur at a rate that will not cause an exceedence of the opacity limit of the unit in which evaporation is occurring (in this case, 40 percent opacity).

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

Florida Power & Light Company  
Port Everglades

[DRAFT/PROPOSED/FINAL]Permit No.: 0110036-001-AV  
Facility ID No.: 0110036

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### 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</u> <sup>1,2</sup> | <u>Revised Date(s)</u> |
|--------------|--------------------------------|-------------------|-------------------|------------------------|-------------------------------------|------------------------|
| -001         | Fossil Fuel Steam Generator #1 | AO06-223345       | 04/21/93          | 02/28/98               |                                     |                        |
| -002         | Fossil Fuel Steam Generator #2 | AO06-223350       | 04/21/93          | 02/15/98               |                                     |                        |
| -003         | Fossil Fuel Steam Generator #3 | AO06-223351       | 04/21/93          | 02/15/98               |                                     |                        |
| -004         | Fossil Fuel Steam Generator #4 | AO06-223352       | 04/21/93          | 02/15/98               |                                     |                        |
| -005         | Gas Turbine Generator #1       | AO06-230618       | 06/16/93          | 06/04/98               |                                     |                        |
| -006         | Gas Turbine Generator #2       | AO06-230618       | 06/16/93          | 06/04/98               |                                     |                        |
| -007         | Gas Turbine Generator #3       | AO06-230618       | 06/16/93          | 06/04/98               |                                     |                        |
| -008         | Gas Turbine Generator #4       | AO06-230618       | 06/16/93          | 06/04/98               |                                     |                        |
| -009         | Gas Turbine Generator #5       | AO06-230618       | 06/16/93          | 06/04/98               |                                     |                        |
| -010         | Gas Turbine Generator #6       | AO06-230618       | 06/16/93          | 06/04/98               |                                     |                        |
| -011         | Gas Turbine Generator #7       | AO06-230618       | 06/16/93          | 06/04/98               |                                     |                        |
| -012         | Gas Turbine Generator #8       | AO06-230618       | 06/16/93          | 06/04/98               |                                     |                        |
| -013         | Gas Turbine Generator #9       | AO06-230618       | 06/16/93          | 06/04/98               |                                     |                        |
| -014         | Gas Turbine Generator #10      | AO06-230618       | 06/16/93          | 06/04/98               |                                     |                        |
| -015         | Gas Turbine Generator #11      | AO06-230618       | 06/16/93          | 06/04/98               |                                     |                        |
| -016         | Gas Turbine Generator #12      | AO06-230618       | 06/16/93          | 06/04/98               |                                     |                        |

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### (if applicable) ID Number Changes (for tracking purposes):

From: Facility ID No.: 50BRO060036

To: Facility ID No.: 0110036

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### Notes:

1 - AO permit(s) automatic extension(s) in Rule 62-210.300(2)(a)3.a., F.A.C., effective 03/21/96.

2 - AC permit(s) automatic extension(s) in Rule 62-213.420(1)(a)4., F.A.C., effective 03/20/96.

{Rule 62-213.420(1)(b)2., F.A.C., effective 03/20/96, allows Title V Sources to operate under existing valid permits}

*File*

Florida Department of  
**Environmental Protection**

**Memorandum**

TO: Isidore Goldman, SED  
FROM: Bruce Mitchell *BM*  
DATE: April 29, 1997  
SUBJECT: Completeness Review of an Application Package for a Title V Operation Permit  
Florida Power & Light Co., Port Everglades: 0110036-001-AV

Enclosed is an application package for a Title V operation permit that is being processed in Tallahassee. Please review the package for completeness and respond in writing by May 30, 1997, if you have any comments. Otherwise, no response is required.

It is very important to verify the compliance statement regarding the facility, since we do not have a readily effective means of determining compliance at the time the application was submitted. Please advise if you know of any emissions unit(s) that were not in compliance at that time and provide supporting information. You should have a copy on file of the original initial Title V permit application submittal. Also, please do not write on these documents.

If there are any questions, please call the project engineer, Joe Kahn, at 904/488-1344 or SC: 278-1344.

RBM/bjb

Enclosure

cc: Andrew Neita

*4/30/97 Joe Kahn*  
*Reading File*  
*Broward Co - Bill Mahre*



# Florida Department of Environmental Regulation

Southeast District • P.O. Box 15425 • West Palm Beach, Florida 33416

Lawton Chiles, Governor

1900 S. Congress Ave., Suite A  
Telephone: 407/433-2650  
Fax: 407/433-2666

Virginia B. Wetherell, Secretary

APR 21 1993

FILE

**PERMITTEE:**

Ms. Elsa Bishop, Supervisor  
Florida Power & Light  
P.O. Box 088801  
North Palm Beach, FL 33408

I.D. NUMBER: 50/BRO/06/0036/01  
PERMIT/CERTIFICATION NUMBER: AO 06- 223345\*  
DATE OF ISSUE: APR 21 1993  
EXPIRATION DATE: February 28, 1998  
COUNTY: Broward  
LATITUDE/LONGITUDE: 26°05'08"N/80°07'31"W  
UTM: Zone 17; 587.4 Km. E; 2885.2 Km. N  
PROJECT: Florida Power & Light  
Port Everglades No. 1

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule 17-210, 296, and 297, and in conformance with all existing regulations of the Florida Department of Environmental Regulation. 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:

**OPERATE:** An air pollution source consisting of a 200 MW Class (240 MW gross capacity) steam generating unit (#1) burning a variable combination of natural gas, used oil fuel from FP & L operations, and No. 6 fuel oil with a maximum heat input of 2400 million Btu/hr. of natural gas, discharging pollutants 344 feet, through a stack, above ground level. The unit is equipped with low excess air burners and Pratt Daniel multiple cyclones with reinjection. Visible emissions are monitored by a transmissometer in the stack.

**IN ACCORDANCE WITH:** Application for Renewal/RACT Determination received December 17, 1992, additional information received February 5, 1993, Final Order dated April 2, 1986, and Application to Operate Air Pollution Source dated October 7, 1977 (none are attached).

**LOCATED AT:** 8100 Eisenhower Boulevard, Port Everglades, Ft. Lauderdale, Broward County, Florida.

**TO SERVE:** An electrical service utility facility (SIC #4911).

**SUBJECT TO:** General Conditions 1-14 and Specific Conditions 1-10.

\*This permit is a renewal of AO 06-143214 issued May 9, 1988.

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. 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.
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), F.S., 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 is not 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 acknowledgement 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.
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.
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 reasonable times, 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) 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.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in the permit, the permittee shall immediately notify and provide the Department with the following information:
  - (a) A description of and cause of noncompliance; and
  - (b) The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. 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.

GENERAL CONDITIONS:

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 403.111 and 403.73, F.S. 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 Rule 17-4.120 and 17-30.300, F.A.C., as applicable. The permittee shall be liable for any noncompliance 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.

13. 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.

14. 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 the 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.

PERMITTEE:  
 Ms. Elsa Bishop, Supervisor  
 Florida Power & Light  
 North Palm Beach, FL 33408

I.D. NUMBER: 50/BRO/J6/001001  
 PERMIT/CERTIFICATION NUMBER: AO 06-223345  
 DATE OF ISSUE: APR 21 1993  
 EXPIRATION DATE: February 28, 1998

**SPECIFIC CONDITIONS:**

(1) Heat Input Rate:

The permitted heat input rates for this source are: 2300 million Btu/hr for Residual; 2400 million Btu/hr for natural gas.

(2) Permitted Fuels:

This source shall be fired with a variable combination of No. 6 residual fuel oil, No. 2 fuel oil, propane and/or natural gas, and on-specification used oil from FPL operations.

(3) Source Emission Limiting Standards and Compliance Testing Requirements:

| POLLUTANT          | EMISSION <sup>(1)</sup><br>LIMITING<br>STDS. | TESTING FREQUENCY <sup>(2)</sup>  |           |       | TEST <sup>(3)</sup><br>METHOD |                                    |
|--------------------|--|---|-----------|-------|-------------------------------|------------------------------------|
|                    |  | ANNUAL  | QUARTERLY | OTHER |                               |                                    |
| Particulate Matter | .Steady State                                | 0.1 lb MMBtu<br>(6)   | X         | —     | —                             | EPA<br>Method<br>5 or 17<br>(5)    |
|                    | .Sootblowing                                 | 0.3 lb/MMBtu<br>(7)   | X         | —     | —                             | EPA<br>Method 5<br>Or 17 (5)       |
|                    | .Load Changing                               | 0.3 lb/MMBtu<br>(7)   | —         | —     | —                             | —                                  |
| Sulfur Dioxide     | 2.75 lb/MMBtu                                | —   | —         | X     | —                             | Monthly<br>Fuel<br>Analysis<br>(6) |
| Visible Emissions  | .Steady State                                | 40% Opacity   | X (4)     | —     | —                             | DER<br>Method 9                    |
|                    | .Sootblowing                                 | 60% Opacity<br>for up to 3<br>hrs in 24<br>hrs, with up<br>to four 6-<br>minute<br>periods of up<br>to 100% since<br>unit has an<br>operational<br>opacity CEM<br>(7) |           |       |                               |                                    |
|                    | .Load Changing                               | 60% Opacity<br>for up to 3<br>hrs in 24<br>hrs, with up<br>to four 6-<br>minute<br>periods of up<br>to 100% since<br>unit has an<br>operational<br>opacity CEM<br>(7) |           |       |                               |                                    |

PERMITTEE:  
Ms. Elsa Bishop, Supervisor  
Florida Power & Light  
North Palm Beach, FL 33408

I.D. NUMBER: 50/BRO/06/0036/01  
PERMIT/CERTIFICATION NUMBER: AO 06-223345  
DATE OF ISSUE: **APR 21 1993**  
EXPIRATION DATE: February 28, 1998

**SPECIFIC CONDITIONS:**

Footnotes:

1. FAC 17-210.700(3) and FAC 17-296.405(1).
2. FAC 17-297.340.
3. FAC 17-297.330.
4. This source has been authorized by Order of the Department's Secretary to test particulate matter emissions and visible emissions annually with a 40% opacity limit.
5. EPA Method 17 may be used only if the stack gas exit temperature is less than 375°F.
6. SO<sub>2</sub> stack testing is required if equivalent sulfur content exceeds 2.5%. Also, PM stack testing is required within 60 days if a monthly fuel analysis indicating that the equivalent sulfur content of oil burned is increased by 0.5 percentage points or more than that used during the previous PM test.
7. FAC 17-210.700(3) allows up to 3 hours in a 24-hour period of excess emissions during sootblowing and load changing operations.

(4) Compliance Testing Related Requirements:

(a) Notification - FAC 17-297.340(1)(i)

Notification of scheduled compliance test dates shall be given to the Department's Southeast District Office and the Broward County Department of Natural Resource Protection at least 15 days prior to testing unless otherwise agreed to by the Department.

(b) Conditions

Compliance testing of particulate matter emissions should be conducted with the source firing No. 6 fuel oil or a combination of fuel oil and natural gas not to exceed an equivalent of 2.5% sulfur content, and operating within 10% of its rated capacity. Testing may be conducted with the source operating at less than 90% of rated capacity; however, if so, subsequent source operation is limited to up to 110% of the test load. Once the unit is so limited, then operation at higher capacities is allowed for a cumulative total of no more than fifteen days for purposes of additional compliance testing to regain rated capacity in the permit, with prior notification to the Department.

(c) Stack Sampling Facility-FAC 17-297.345

The stack sampling facility must comply with Rule 17-297.345, FAC.

(d) Report Submittal-FAC 17-297.570

A copy of the test results shall be submitted to the Department's Southeast District Office and Broward County Department of Natural Resource Protection within 45 days after the last test run is completed.



PERMITTEE:  
Ms. Elsa Bishop, Supervisor  
Florida Power & Light  
North Palm Beach, FL 33408

I.D. NUMBER: 50/BRO/06/0036/01  
PERMIT/CERTIFICATION NUMBER: AO 06-223345  
DATE OF ISSUE: APR 21 1993  
EXPIRATION DATE: February 28, 1998

**SPECIFIC CONDITIONS:**

(5) Annual Operations Report (AOR):

On or before March 1 of each calendar year, a completed DER Form 17-210.900(4), Annual Operations Report Form for Air Emissions Sources, based on data for the preceding calendar year, shall be submitted to the Department's Southeast District Office and the Broward County Department of Natural Resource Protection.

(6) Excess Emissions - FAC 17-210.700

- (a) Excess emissions resulting from start-up or shut-down shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions is minimized.
- (b) Excess emissions resulting from malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions is minimized but in no case exceeds two hours in any 24-hour period unless specifically authorized by the Department for longer duration.
- (c) In the event the permittee is temporarily unable to comply with any of the conditions of the permit, the permittee shall immediately notify the Department's Southeast District Office and the Broward County Department of Natural Resource Protection. Notification shall be conducted in accordance with General Condition (8) of this permit.
- (d) In addition to the requirements of General Condition 8 of this permit, a written quarterly report shall be submitted to the Department's Southeast District Office and the Broward County Department of Natural Resource Protection of all opacity exceedances of emissions limitations specified in Florida Administrative Code Rule 17-210.700(1) through (4) and 17-296.405(1)(a). Each report shall state the cause, period of non-compliance, steps taken for corrective action, and steps taken to prevent recurrence. If compliance cannot be determined due to an opacity monitor malfunction or for any other reason, the report shall state the cause, duration and action taken. The Department shall also be notified when there are no exceedances for a quarter. All recorded data shall be maintained on file by the permittee for no less than two years and made available to the Department upon request.

(7) Used Oil Handling:

Burning of used oil shall be permitted under the following conditions:

- (a) The used oil fuel shall originate from FPL operations and shall meet the EPA specification levels under 40 CFR 266.40(e). Furthermore, the used oil shall be burned in accordance with the Department's Policy Memorandum of January 5, 1987.
- (b) Each batch of used oil to be burned shall be sampled and analyzed for: arsenic, chromium, cadmium, total halogens, and lead using EPA/DER or ASTM approved methods. Split samples of the used oil shall be retained for three (3) months after analysis for further testing if necessary.

PERMITTEE:  
Ms. Elsa Bishop, Supervisor  
Florida Power & Light  
North Palm Beach, FL 33408

I.D. NUMBER: 50/BRO/06/0036/01  
PERMIT/CERTIFICATION NUMBER: AO 06-223345  
DATE OF ISSUE: APR 21 1993  
EXPIRATION DATE: February 28, 1998

**SPECIFIC CONDITIONS:**

- (c) Results of used oil sampling and analysis performed pursuant to Specific Condition 7(b) shall be retained by permittee for at least three (3) years and made available for inspection by the Department upon request.
- (d) An estimate of the total quantity of used oil burned and a summary of the range of values for each constituent analyzed pursuant to Specific Condition (7)(b) during the applicable calendar year shall be included in the Annual Operation Report (AOR) for Air Emissions Sources.
- (8) Local Requirements  
This permit does not preclude compliance with any applicable local permitting requirements and regulations.
- (9) Permit Renewal-FAC 17-4.09:  
An operation permit renewal application must be submitted at least 60 days prior to the expiration of this permit.
- (10) The permittee shall be aware of and operate under the attached "General Permit Conditions #1 through #14". General Permit Conditions are binding upon the permittee and enforceable pursuant to Chapter 403 of the Florida Statutes.

Issued this 21<sup>ST</sup> day of APRIL, 1993

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

Mary E. Williams  
Mary E. Williams  
Director of District Management

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were mailed by certified mail before the close of business on APR 21 1993 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52(1), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Gloria Lindsey      APR 21 1993  
(Clerk)      (Date)



# Florida Department of Environmental Regulation

Southeast District • P.O. Box 15425 • West Palm Beach, Florida 33416

Lawton Chiles, Governor

1900 S. Congress Ave., Suite A

Virginia B. Wetherell, Secretary

Telephone: 407/433-2650

Fax: 407/433-2666

APR 21 1993

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
NOTICE OF PERMIT ISSUANCE

**FILE**

CERTIFIED MAIL

In the Matter of an Application  
for Permit by:

Ms. Elsa Bishop, Supervisor /  
Florida Power & Light /  
P. O. Box 088801 /  
North Palm Beach, Florida 33408 /

DER File No. AO 06-223350  
Broward County

Enclosed is Permit Number AO 06-223350 to operate an air pollution source issued pursuant to Section 403.087, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, 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 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of receipt of this Permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information;

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;

(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

(d) A statement of the material facts disputed by Petitioner, if any;

(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.


If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, 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 Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 days from the date the Final Order is filed with the Clerk of the Department.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

  
Mary E. S. Williams  
Director of District Management  
F.D.E.R., Southeast District  
P.O. Box 15425  
West Palm Beach, FL 33416  
407/433-2650

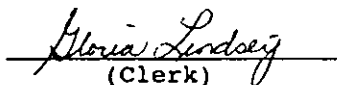
MESW:sb:gml

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were mailed by certified mail before the close of business on APR 21 1993 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52(11), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

 | APR 21 1993  
(Clerk) (Date)

Copies furnished to: Broward County Department of Natural Resource Protection



# Florida Department of Environmental Regulation

Southeast District • P.O. Box 15425 • West Palm Beach, Florida 33416

Lawton Chiles, Governor

1900 S. Congress Ave., Suite A

Virginia B. Wetherell, Secretary

Telephone: 407/433-2650

Fax: 407/433-2666

APR 21 1993

**PERMITTEE:**

Ms. Elsa Bishop, Supervisor  
Florida Power & Light  
P.O. Box 088801  
North Palm Beach, FL 33408

I.D. NUMBER: 50/BRO/06/0036/02

PERMIT/CERTIFICATION NUMBER: AO 06-223350\*

DATE OF ISSUE: APR 21 1993

EXPIRATION DATE: February 15, 1998

COUNTY: Broward

LATITUDE/LONGITUDE: 26°05'08"N/80°07'31"W

UTM: Zone 17; 587.4 Km. E; 2885.2 Km. N

PROJECT: Florida Power & Light  
Port Everglades No. 2

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule 17-210, 296, and 297, and in conformance with all existing regulations of the Florida Department of Environmental Regulation. 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:

**OPERATE:** An air pollution source consisting of a 200 MW Class (240 MW gross capacity) steam generating unit (#2) burning a variable combination of natural gas, used oil fuel from FP & L operations, and No. 6 fuel oil with a maximum heat input of 2400 million Btu/hr. of natural gas, discharging pollutants, through a stack, 344 feet above ground level. The unit is equipped with low excess air burners and Pratt Daniel multiple cyclones with reinjection. Visible emissions are monitored by a transmissometer in the stack.

**IN ACCORDANCE WITH:** Application for Renewal/RACT Determination received December 17, 1992, additional information received February 5, 1993, Final Order dated April 24, 1984, letter clarifying Final Order May 7, 1984, and Application to Operate Air Pollution Source dated October 7, 1977 (none are attached).

**LOCATED AT:** 8100 Eisenhower Boulevard, Port Everglades, Ft. Lauderdale, Broward County, Florida.

**TO SERVE:** An electrical service utility facility (SIC #4911).

**SUBJECT TO:** General Conditions 1-14 and Specific Conditions 1-10.

\*This permit is a renewal of AO 06-143215 issued May 9, 1988.

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. 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.
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), F.S., 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 is not 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 acknowledgement 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.
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.
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 reasonable times, 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) 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.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in the permit, the permittee shall immediately notify and provide the Department with the following information:
  - (a) A description of and cause of noncompliance; and
  - (b) The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. 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.

GENERAL CONDITIONS:

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 403.111 and 403.73, F.S. 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 Rule 17-4.120 and 17-30.300, F.A.C., as applicable. The permittee shall be liable for any noncompliance 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.

13. 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.

14. 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 the 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.

PERMITTEE:  
 Ms. Elsa Bishop, Supervisor  
 Florida Power & Light  
 North Palm Beach, FL 33408

I.D. NUMBER: 50/BRO/06/06/02  
 PERMIT/CERTIFICATION NUMBER: AO 06-223350  
 DATE OF ISSUE: **APR 21 1993**  
 EXPIRATION DATE: February 15, 1998

**SPECIFIC CONDITIONS:**

(1) Heat Input Rate:

The permitted heat input rates for this source are: 2300 million Btu/hr for Residual; 2400 million Btu/hr for natural gas.

(2) Permitted Fuels:

This source shall be fired with a variable combination of No. 6 residual fuel oil, No. 2 fuel oil, propane and/or natural gas, and on-specification used oil from FPL operations.

(3) Source Emission Limiting Standards and Compliance Testing Requirements:

| POLLUTANT          | EMISSION <sup>(1)</sup><br>LIMITING<br>STDS. | TESTING FREQUENCY <sup>(2)</sup>  |           |       | TEST <sup>(3)</sup><br>METHOD |                                    |
|--------------------|--|---|-----------|-------|-------------------------------|------------------------------------|
|                    |  | ANNUAL  | QUARTERLY | OTHER |                               |                                    |
| Particulate Matter | .Steady State                                | 0.1 lb MMBtu<br>(6)   | X         | —     | —                             | EPA<br>Method<br>5 or 17<br>(5)    |
|                    | .Sootblowing                                 | 0.3 lb/MMBtu<br>(7)   | X         | —     | —                             | EPA<br>Method 5<br>Or 17 (5)       |
|                    | .Load Changing                               | 0.3 lb/MMBtu<br>(7)   | —         | —     | —                             | —                                  |
| Sulfur Dioxide     | 2.75 lb/MMBtu                                | —   | —         | X     | —                             | Monthly<br>Fuel<br>Analysis<br>(6) |
| Visible Emissions  | .Steady State                                | 40% Opacity   | X (4)     | —     | —                             | DER<br>Method 9                    |
|                    | .Sootblowing                                 | 60% Opacity<br>for up to 3<br>hrs in 24<br>hrs, with up<br>to four 6-<br>minute<br>periods of up<br>to 100% since<br>unit has an<br>operational<br>opacity CEM<br>(7) |           |       |                               |                                    |
|                    | .Load Changing                               | 60% Opacity<br>for up to 3<br>hrs in 24<br>hrs, with up<br>to four 6-<br>minute<br>periods of up<br>to 100% since<br>unit has an<br>operational<br>opacity CEM<br>(7) |           |       |                               |                                    |



PERMITTEE:  
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Florida Power & Light  
North Palm Beach, FL 33408

I.D. NUMBER: 50/BRO/06/0036/02  
PERMIT/CERTIFICATION NUMBER: AO 06-223350  
DATE OF ISSUE: APR 21 1993  
EXPIRATION DATE: February 15, 1998

**SPECIFIC CONDITIONS:**

Footnotes:

1. FAC 17-210.700(3) and FAC 17-296.405(1).
2. FAC 17-297.340.
3. FAC 17-297.330.
4. This source has been authorized by Order of the Department's Secretary to test particulate matter emissions and visible emissions annually with a 40% opacity limit.
5. EPA Method 17 may be used only if the stack gas exit temperature is less than 375°F.
6. SO<sub>2</sub> stack testing is required if equivalent sulfur content exceeds 2.5%. Also, PM stack testing is required within 60 days if a monthly fuel analysis indicating that the equivalent sulfur content of oil burned is increased by 0.5 percentage points or more than that used during the previous PM test.
7. FAC 17-210.700(3) allows up to 3 hours in a 24-hour period of excess emissions during sootblowing and load changing operations.

(4) Compliance Testing Related Requirements:

(a) Notification - FAC 17-297.340(1)(i)

Notification of scheduled compliance test dates shall be given to the Department's Southeast District Office and the Broward County Department of Natural Resource Protection at least 15 days prior to testing unless otherwise agreed to by the Department.

(b) Conditions

Compliance testing of particulate matter emissions should be conducted with the source firing No. 6 fuel oil or a combination of fuel oil and natural gas not to exceed an equivalent of 2.5% sulfur content, and operating within 10% of its rated capacity. Testing may be conducted with the source operating at less than 90% of rated capacity; however, if so, subsequent source operation is limited to up to 110% of the test load. Once the unit is so limited, then operation at higher capacities is allowed for a cumulative total of no more than fifteen days for purposes of additional compliance testing to regain rated capacity in the permit, with prior notification to the Department.

(c) Stack Sampling Facility-FAC 17-297.345

The stack sampling facility must comply with Rule 17-297.345, FAC.

(d) Report Submittal-FAC 17-297.570

A copy of the test results shall be submitted to the Department's Southeast District Office and Broward County Department of Natural Resource Protection within 45 days after the last test run is completed.

PERMITTEE:  
Ms. Elsa Bishop, Supervisor  
Florida Power & Light  
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**SPECIFIC CONDITIONS:**

**(5) Annual Operations Report (AOR):**

On or before March 1 of each calendar year, a completed DER Form 17-210.900(4), Annual Operations Report Form for Air Emissions Sources, based on data for the preceding calendar year, shall be submitted to the Department's Southeast District Office and the Broward County Department of Natural Resource Protection.

**(6) Excess Emissions - FAC 17-210.700**

- (a) Excess emissions resulting from start-up or shut-down shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions is minimized.
- (b) Excess emissions resulting from malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions is minimized but in no case exceeds two hours in any 24-hour period unless specifically authorized by the Department for longer duration.
- (c) In the event the permittee is temporarily unable to comply with any of the conditions of the permit, the permittee shall immediately notify the Department's Southeast District Office and the Broward County Department of Natural Resource Protection. Notification shall be conducted in accordance with General Condition (8) of this permit.
- (d) In addition to the requirements of General Condition 8 of this permit, a written quarterly report shall be submitted to the Department's Southeast District Office and the Broward County Department of Natural Resource Protection of all opacity exceedances of emissions limitations specified in Florida Administrative Code Rule 17-210.700(1) through (4) and 17-296.405(1)(a). Each report shall state the cause, period of non-compliance, steps taken for corrective action, and steps taken to prevent recurrence. If compliance cannot be determined due to an opacity monitor malfunction or for any other reason, the report shall state the cause, duration and action taken. The Department shall also be notified when there are no exceedances for a quarter. All recorded data shall be maintained on file by the permittee for no less than two years and made available to the Department upon request.

**(7) Used Oil Handling:**

Burning of used oil shall be permitted under the following conditions:

- (a) The used oil fuel shall originate from FPL operations and shall meet the EPA specification levels under 40 CFR 266.40(e). Furthermore, the used oil shall be burned in accordance with the Department's Policy Memorandum of January 5, 1987.
- (b) Each batch of used oil to be burned shall be sampled and analyzed for: arsenic, chromium, cadmium, total halogens, and lead using EPA/DER or ASTM approved methods. Split samples of the used oil shall be retained for three (3) months after analysis for further testing if necessary.

PERMITTEE:  
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Florida Power & Light  
North Palm Beach, FL 33408

I.D. NUMBER: 50/BRO/06/0036/02  
PERMIT/CERTIFICATION NUMBER: AO 06-223350  
DATE OF ISSUE: **APR 21 1993**  
EXPIRATION DATE: February 15, 1998

**SPECIFIC CONDITIONS:**

- (c) Results of used oil sampling and analysis performed pursuant to Specific Condition 7(b) shall be retained by permittee for at least three (3) years and made available for inspection by the Department upon request.
  - (d) An estimate of the total quantity of used oil burned and a summary of the range of values for each constituent analyzed pursuant to Specific Condition (7)(b) during the applicable calendar year shall be included in the Annual Operation Report (AOR) for Air Emissions Sources.
- (8) Local Requirements  
This permit does not preclude compliance with any applicable local permitting requirements and regulations.
- (9) Permit Renewal-FAC 17-4.09:  
An operation permit renewal application must be submitted at least 60 days prior to the expiration of this permit.
- (10) The permittee shall be aware of and operate under the attached "General Permit Conditions #1 through #14". General Permit Conditions are binding upon the permittee and enforceable pursuant to Chapter 403 of the Florida Statutes.

Issued this 21<sup>ST</sup> day of APRIL, 1993

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

Mary E. S. Williams  
Mary E. S. Williams  
Director of District Management

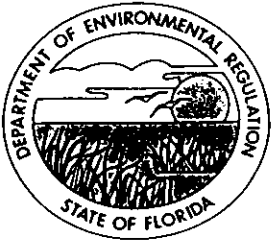
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were mailed by certified mail before the close of business on APR 21 1993 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52(11), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Maria Lindsey | APR 21 1993  
(Clerk) (Date)



# Florida Department of Environmental Regulation

Southeast District • P.O. Box 15425 • West Palm Beach, Florida 33416

Lawton Chiles, Governor

1900 S. Congress Ave., Suite A

Virginia B. Wetherell, Secretary

Telephone: 407/433-2650

Fax: 407/433-2666

APR 21 1993

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
NOTICE OF PERMIT ISSUANCE

FILE

CERTIFIED MAIL

In the Matter of an Application  
for Permit by:

Ms. Elsa Bishop, Supervisor /  
Florida Power & Light /  
P. O. Box 088801 /  
North Palm Beach, Florida 33408 /

DER File No. AO 06-223351  
Broward County

Enclosed is Permit Number AO 06-223351 to operate an air pollution source issued pursuant to Section 403.087, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, 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 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of receipt of this Permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information;

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;

(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

(d) A statement of the material facts disputed by Petitioner, if any;

(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

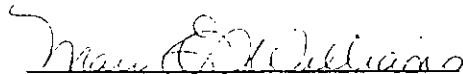
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This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, 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 Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 days from the date the Final Order is filed with the Clerk of the Department.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION



Mary E. S. Williams  
Director of District Management  
F.D.E.R., Southeast District  
P. O. Box 15425  
West Palm Beach, FL 33416  
407/433-2650

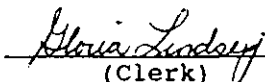
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CERTIFICATE OF SERVICE

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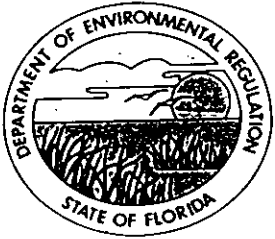
Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to §120.52(11), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

  
(Clerk)

APR 21 1993  
(Date)

Copies furnished to: Broward County Department of Natural Resource Protection



# Florida Department of Environmental Regulation

Southeast District • P.O. Box 15425 • West Palm Beach, Florida 33416

Lawton Chiles, Governor

1900 S. Congress Ave., Suite A

Virginia B. Wetherell, Secretary

Telephone: 407/433-2650

Fax: 407/433-2666

APR 21 1993

**PERMITTEE:**

Ms. Elsa Bishop, Supervisor  
Florida Power & Light  
P.O. Box 088801  
North Palm Beach, FL 33408

I.D. NUMBER: 50/BRO/06/0036/03

PERMIT/CERTIFICATION NUMBER: AO 06- 223351\*

DATE OF ISSUE: APR 21 1993

EXPIRATION DATE: February 15, 1998

COUNTY: Broward

LATITUDE/LONGITUDE: 26°05'08"N/80°07'31"W

UTM: Zone 17; 587.4 Km. E; 2885.2 Km. N

PROJECT: Florida Power & Light  
Port Everglades No. 3

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule 17-210, 296, and 297, and in conformance with all existing regulations of the Florida Department of Environmental Regulation. 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:

**OPERATE:** An air pollution source consisting of a 400 MW Class (440 MW gross capacity) steam generating unit (#3) burning a variable combination of natural gas, used oil fuel from FP & L operations, and No. 6 fuel oil with a maximum heat input of 4025 million Btu/hr. of natural gas, discharging pollutants 343 feet above ground level. The unit is equipped with excess air burners and Aerotech multiple cyclones with reinjection. Visible emissions are monitored by a transmissometer in the stack.

**IN ACCORDANCE WITH:** Application for Renewal/RACT Determination received December 17, 1992, additional information received February 5, 1993, Final Order dated April 24, 1984, later clarifying Final Order dated May 7, 1984, and Application to Operate Air Pollution Source dated October 7, 1977 (none are attached).

**LOCATED AT:** 8100 Eisenhower Boulevard, Port Everglades, Ft. Lauderdale, Broward County, Florida.

**TO SERVE:** An electrical service utility facility (SIC #4911).

**SUBJECT TO:** General Conditions 1-14 and Specific Conditions 1-10.

\*This permit is a renewal of AO 06-143217 issued March 7, 1988.

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. 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.
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), F.S., 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 is not 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 acknowledgement 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.
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.
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 reasonable times, 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) 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.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in the permit, the permittee shall immediately notify and provide the Department with the following information:
  - (a) A description of and cause of noncompliance; and
  - (b) The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. 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.

GENERAL CONDITIONS:

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 403.111 and 403.73, F.S. 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 Rule 17-4.120 and 17-30.300, F.A.C., as applicable. The permittee shall be liable for any noncompliance 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.

13. 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.

14. 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 the 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.



PERMITTEE:  
 Ms. Elsa Bishop, Supervisor  
 Florida Power & Light  
 North Palm Beach, FL 33408

I.D. NUMBER: BRO 86/0036/03  
 PERMIT/CERTIFICATION NUMBER: AO 06-223351  
 DATE OF ISSUE: APR 21 1985  
 EXPIRATION DATE: February 15, 1998

**SPECIFIC CONDITIONS:**

(1) Heat Input Rate:

The permitted heat input rates for this source are: 3850 million Btu/hr for Residual; 4025 million Btu/hr for natural gas.

(2) Permitted Fuels:

This source shall be fired with a variable combination of No. 6 residual fuel oil, No. 2 fuel oil, propane and/or natural gas, and on-specification used oil from FPL operations.

(3) Source Emission Limiting Standards and Compliance Testing Requirements:

| POLLUTANT          | EMISSION <sup>(1)</sup><br>LIMITING<br>STDS.  | TESTING FREQUENCY <sup>(2)</sup> |           |       | TEST <sup>(3)</sup><br>METHOD      |
|--------------------|---|----------------------------------|-----------|-------|------------------------------------|
|                    |   | ANNUAL                           | QUARTERLY | OTHER |                                    |
| Particulate Matter | .Steady State<br>0.1 lb MMBtu<br>(6)  | X                                | ---       | ---   | EPA<br>Method<br>5 or 17<br>(5)    |
|                    | .Sootblowing<br>0.3 lb/MMBtu<br>(7)   | X                                | ---       | ---   | EPA<br>Method 5<br>Or 17 (5)       |
|                    | .Load Changing<br>0.3 lb/MMBtu<br>(7)   | ---                              | ---       | ---   | ---                                |
| Sulfur Dioxide     | 2.75 lb/MMBtu   | ---                              | ---       | X     | Monthly<br>Fuel<br>Analysis<br>(6) |
| Visible Emissions  | .Steady State<br>40% Opacity  | X (4)                            | ---       | ---   | DER<br>Method 9                    |
|                    | .Sootblowing<br>60% Opacity<br>for up to 3<br>hrs in 24<br>hrs, with up<br>to four 6-<br>minute<br>periods of up<br>to 100% since<br>unit has an<br>operational<br>opacity CEM<br>(7)   |                                  |           |       |                                    |
|                    | .Load Changing<br>60% Opacity<br>for up to 3<br>hrs in 24<br>hrs, with up<br>to four 6-<br>minute<br>periods of up<br>to 100% since<br>unit has an<br>operational<br>opacity CEM<br>(7) |                                  |           |       |                                    |

PERMITTEE:  
Ms. Elsa Bishop, Supervisor  
Florida Power & Light  
North Palm Beach, FL 33408

I.D. NUMBER: 50/BRO/06/0036/03  
PERMIT/CERTIFICATION NUMBER: AO 06-223351  
DATE OF ISSUE: APR 21 1993  
EXPIRATION DATE: February 15, 1998

**SPECIFIC CONDITIONS:**

Footnotes:

1. FAC 17-210.700(3) and FAC 17-296.405(1).
2. FAC 17-297.340.
3. FAC 17-297.330.
4. This source has been authorized by Order of the Department's Secretary to test particulate matter emissions and visible emissions annually with a 40% opacity limit.
5. EPA Method 17 may be used only if the stack gas exit temperature is less than 375°F.
6. SO<sub>2</sub> stack testing is required if equivalent sulfur content exceeds 2.5%. Also, PM stack testing is required within 60 days if a monthly fuel analysis indicating that the equivalent sulfur content of oil burned is increased by 0.5 percentage points or more than that used during the previous PM test.
7. FAC 17-210.700(3) allows up to 3 hours in a 24-hour period of excess emissions during sootblowing and load changing operations.

(4) Compliance Testing Related Requirements:

(a) Notification - FAC 17-297.340(1)(i)

Notification of scheduled compliance test dates shall be given to the Department's Southeast District Office and the Broward County Department of Natural Resource Protection at least 15 days prior to testing unless otherwise agreed to by the Department.

(b) Conditions

Compliance testing of particulate matter emissions should be conducted with the source firing No. 6 fuel oil or a combination of fuel oil and natural gas not to exceed an equivalent of 2.5% sulfur content, and operating within 10% of its rated capacity. Testing may be conducted with the source operating at less than 90% of rated capacity; however, if so, subsequent source operation is limited to up to 110% of the test load. Once the unit is so limited, then operation at higher capacities is allowed for a cumulative total of no more than fifteen days for purposes of additional compliance testing to regain rated capacity in the permit, with prior notification to the Department.

(c) Stack Sampling Facility-FAC 17-297.345

The stack sampling facility must comply with Rule 17-297.345, FAC.

(d) Report Submittal-FAC 17-297.570

A copy of the test results shall be submitted to the Department's Southeast District Office and Broward County Department of Natural Resource Protection within 45 days after the last test run is completed.

PERMITTEE:  
Ms. Elsa Bishop, Supervisor  
Florida Power & Light  
North Palm Beach, FL 33408

I.D. NUMBER: 50/BRO/06/0036/03  
PERMIT/CERTIFICATION NUMBER: AO 06-223351  
DATE OF ISSUE: APR 21 1993  
EXPIRATION DATE: February 15, 1998

**SPECIFIC CONDITIONS:**

(5) Annual Operations Report (AOR):

On or before March 1 of each calendar year, a completed DER Form 17-210.900(4), Annual Operations Report Form for Air Emissions Sources, based on data for the preceding calendar year, shall be submitted to the Department's Southeast District Office and the Broward County Department of Natural Resource Protection.

(6) Excess Emissions - FAC 17-210.700

- (a) Excess emissions resulting from start-up or shut-down shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions is minimized.
- (b) Excess emissions resulting from malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions is minimized but in no case exceeds two hours in any 24-hour period unless specifically authorized by the Department for longer duration.
- (c) In the event the permittee is temporarily unable to comply with any of the conditions of the permit, the permittee shall immediately notify the Department's Southeast District Office and the Broward County Department of Natural Resource Protection. Notification shall be conducted in accordance with General Condition (8) of this permit.
- (d) In addition to the requirements of General Condition 8 of this permit, a written quarterly report shall be submitted to the Department's Southeast District Office and the Broward County Department of Natural Resource Protection of all opacity exceedances of emissions limitations specified in Florida Administrative Code Rule 17-210.700(1) through (4) and 17-296.405(1)(a). Each report shall state the cause, period of non-compliance, steps taken for corrective action, and steps taken to prevent recurrence. If compliance cannot be determined due to an opacity monitor malfunction or for any other reason, the report shall state the cause, duration and action taken. The Department shall also be notified when there are no exceedances for a quarter. All recorded data shall be maintained on file by the permittee for no less than two years and made available to the Department upon request.

(7) Used Oil Handling:

Burning of used oil shall be permitted under the following conditions:

- (a) The used oil fuel shall originate from FPL operations and shall meet the EPA specification levels under 40 CFR 266.40(e). Furthermore, the used oil shall be burned in accordance with the Department's Policy Memorandum of January 5, 1987.
- (b) Each batch of used oil to be burned shall be sampled and analyzed for: arsenic, chromium, cadmium, total halogens, and lead using EPA/DER or ASTM approved methods. Split samples of the used oil shall be retained for three (3) months after analysis for further testing if necessary.

PERMITTEE:  
Ms. Elsa Bishop, Supervisor  
Florida Power & Light  
North Palm Beach, FL 33408

I.D. NUMBER: 50/BRO/06/0036/03  
PERMIT/CERTIFICATION NUMBER: AO 06-223351  
DATE OF ISSUE: APR 21 1993  
EXPIRATION DATE: February 15, 1998

**SPECIFIC CONDITIONS:**

- (c) Results of used oil sampling and analysis performed pursuant to Specific Condition 7(b) shall be retained by permittee for at least three (3) years and made available for inspection by the Department upon request.
  - (d) An estimate of the total quantity of used oil burned and a summary of the range of values for each constituent analyzed pursuant to Specific Condition (7)(b) during the applicable calendar year shall be included in the Annual Operation Report (AOR) for Air Emissions Sources.
- (8) Local Requirements  
This permit does not preclude compliance with any applicable local permitting requirements and regulations.
- (9) Permit Renewal-FAC 17-4.09:  
An operation permit renewal application must be submitted at least 60 days prior to the expiration of this permit.
- (10) The permittee shall be aware of and operate under the attached "General Permit Conditions #1 through #14". General Permit Conditions are binding upon the permittee and enforceable pursuant to Chapter 403 of the Florida Statutes.

Issued this 21<sup>ST</sup> day of APRIL, 1993

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

Mary E. S. Williams  
Mary E. S. Williams  
Director of District Management

CERTIFICATE OF SERVICE

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Clerk Stamp

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Gloria Lindsey  
(Clerk)

APR 21 1993  
(Date)



# Florida Department of Environmental Regulation

Southeast District • P.O. Box 15425 • West Palm Beach, Florida 33416

Lawton Chiles, Governor

1900 S. Congress Ave., Suite A

Virginia B. Wetherell, Secretary

Telephone: 407/433-2650

Fax: 407/433-2666

APR 21 1993

FILE

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
NOTICE OF PERMIT ISSUANCE

CERTIFIED MAIL

In the Matter of an Application  
for Permit by:  
Ms. Elsa Bishop, Supervisor /  
Florida Power & Light /  
P. O. Box 088801 /  
North Palm Beach, Florida 33408 /

DER File No. AO 06-223352  
Broward County

Enclosed is Permit Number AO 06-223352 to operate an air pollution source issued pursuant to Section 403.087, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, 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 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of receipt of this Permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information;

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
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- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

Ms. Elsa Bishop, Supervisor  
Florida Power & Light  
North Palm Beach, Florida 33408  
Page 2 of 2

DER Permit No. AO 06-223352


If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

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When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, 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 Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 days from the date the Final Order is filed with the Clerk of the Department.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

  
Mary E. S. Williams  
Director of District Management  
F.D.E.R., Southeast District  
P. O. Box 15425  
West Palm Beach, FL 33416  
407/433-2650

MESW:sb:gml

CERTIFICATE OF SERVICE

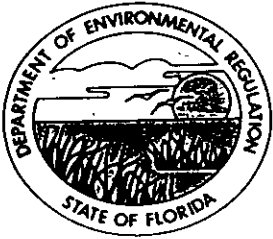
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Clerk Stamp

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(Clerk) | APR 21 1993  
(Date)

Copies furnished to: Broward County Department of Natural Resource Protection



# Florida Department of Environmental Regulation

Southeast District • P.O. Box 15425 • West Palm Beach, Florida 33416

Lawton Chiles, Governor

1900 S. Congress Ave., Suite A

Virginia B. Wetherell, Secretary

Telephone: 407/433-2650

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APR 21 1993

**PERMITTEE:**

Ms. Elsa Bishop, Supervisor  
Florida Power & Light  
P.O. Box 088801  
North Palm Beach, FL 33408

I.D. NUMBER: 50/BRO/06/0036/04

PERMIT/CERTIFICATION NUMBER: AO 06- 223352\*

DATE OF ISSUE: APR 21 1993

EXPIRATION DATE: February 15, 1998

COUNTY: Broward

LATITUDE/LONGITUDE: 26°05'08"N/80°07'31"W

UTM: Zone 17; 587.4 Km. E; 2885.2 Km. N

PROJECT: Florida Power & Light  
Port Everglades No. 4

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule 17-210, 296, and 297, and in conformance with all existing regulations of the Florida Department of Environmental Regulation. 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:

**OPERATE:** An air pollution source consisting of a 400 MW Class (440 MW gross capacity) steam generating unit (#4) burning a variable combination of natural gas, used oil fuel from FP & L operations, and No. 6 fuel oil with a maximum heat input of 4025 million Btu/hr. of natural gas, discharging pollutants 343 feet above ground level. The unit is equipped with excess air burners and Aerotech multiple cyclones with reinjection. Visible emissions are monitored by a transmissometer in the stack.

**IN ACCORDANCE WITH:** Application for Renewal/RACT Determination received December 17, 1992, additional information received February 15, 1993, Final Order dated April 24, 1984, later clarifying Final Order dated May 7, 1984, and Application to Operate Air Pollution Source dated October 7, 1977 (none are attached).

**LOCATED AT:** 8100 Eisenhower Boulevard, Port Everglades, Ft. Lauderdale, Broward County, Florida.

**TO SERVE:** An electrical service utility facility (SIC #4911).

**SUBJECT TO:** General Conditions 1-14 and Specific Conditions 1-10.

\*This permit is a renewal of AO 06-143212 issued May 9, 1988.

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. 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.
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), F.S., 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 is not 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 acknowledgement 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.
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.
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 reasonable times, 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) 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.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in the permit, the permittee shall immediately notify and provide the Department with the following information:
  - (a) A description of and cause of noncompliance; and
  - (b) The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. 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.



GENERAL CONDITIONS:

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 403.111 and 403.73, F.S. 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 Rule 17-4.120 and 17-30.300, F.A.C., as applicable. The permittee shall be liable for any noncompliance 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.

13. 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.

14. 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 the 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.

PERMITTEE:  
 Ms. Elsa Bishop, Supervisor  
 Florida Power & Light  
 North Palm Beach, FL 33408

I.D. NUMBER: 05/BRO/06/0036/04  
 PERMIT/CERTIFICATION NUMBER: AO 06-223352  
 DATE OF ISSUE: APR 21 1993  
 EXPIRATION DATE: February 15, 1998

**SPECIFIC CONDITIONS:**

(1) Heat Input Rate:

The permitted heat input rates for this source are: 3850 million Btu/hr for Residual; 4025 million Btu/hr for natural gas.

(2) Permitted Fuels:

This source shall be fired with a variable combination of No. 6 residual fuel oil, No. 2 fuel oil, propane and/or natural gas, and on-specification used oil from FPL operations.

(3) Source Emission Limiting Standards and Compliance Testing Requirements:

| POLLUTANT          | EMISSION <sup>(1)</sup><br>LIMITING<br>STDS.  | TESTING FREQUENCY <sup>(2)</sup> |           |       | TEST <sup>(3)</sup><br>METHOD      |
|--------------------|---|----------------------------------|-----------|-------|------------------------------------|
|                    |   | ANNUAL                           | QUARTERLY | OTHER |                                    |
| Particulate Matter | .Steady State<br>0.1 lb MMBtu<br>(6)  | X                                | ---       | ---   | EPA<br>Method<br>5 or 17<br>(5)    |
|                    | .Sootblowing<br>0.3 lb/MMBtu<br>(7)   | X                                | ---       | ---   | EPA<br>Method 5<br>Or 17 (5)       |
|                    | .Load Changing<br>0.3 lb/MMBtu<br>(7)   | ---                              | ---       | ---   | ---                                |
| Sulfur Dioxide     | 2.75 lb/MMBtu   | ---                              | ---       | X     | Monthly<br>Fuel<br>Analysis<br>(6) |
| Visible Emissions  | .Steady State<br>40% Opacity  | X (4)                            | ---       | ---   | DER<br>Method 9                    |
|                    | .Sootblowing<br>60% Opacity<br>for up to 3<br>hrs in 24<br>hrs, with up<br>to four 6-<br>minute<br>periods of up<br>to 100% since<br>unit has an<br>operational<br>opacity CEM<br>(7)   |                                  |           |       |                                    |
|                    | .Load Changing<br>60% Opacity<br>for up to 3<br>hrs in 24<br>hrs, with up<br>to four 6-<br>minute<br>periods of up<br>to 100% since<br>unit has an<br>operational<br>opacity CEM<br>(7) |                                  |           |       |                                    |

PERMITTEE:  
Ms. Elsa Bishop, Supervisor  
Florida Power & Light  
North Palm Beach, FL 33408

I.D. NUMBER: 50/BRO/06/0036/04  
PERMIT/CERTIFICATION NUMBER: AO 06-223352  
DATE OF ISSUE: APR 21 1993  
EXPIRATION DATE: February 15, 1998

**SPECIFIC CONDITIONS:**

Footnotes:

1. FAC 17-210.700(3) and FAC 17-296.405(1).
2. FAC 17-297.340.
3. FAC 17-297.330.
4. This source has been authorized by Order of the Department's Secretary to test particulate matter emissions and visible emissions annually with a 40% opacity limit.
5. EPA Method 17 may be used only if the stack gas exit temperature is less than 375°F.
6. SO<sub>2</sub> stack testing is required if equivalent sulfur content exceeds 2.5%. Also, PM stack testing is required within 60 days if a monthly fuel analysis indicating that the equivalent sulfur content of oil burned is increased by 0.5 percentage points or more than that used during the previous PM test.
7. FAC 17-210.700(3) allows up to 3 hours in a 24-hour period of excess emissions during sootblowing and load changing operations.

(4) Compliance Testing Related Requirements:

(a) Notification - FAC 17-297.340(1)(i)

Notification of scheduled compliance test dates shall be given to the Department's Southeast District Office and the Broward County Department of Natural Resource Protection at least 15 days prior to testing unless otherwise agreed to by the Department.

(b) Conditions

Compliance testing of particulate matter emissions should be conducted with the source firing No. 6 fuel oil or a combination of fuel oil and natural gas not to exceed an equivalent of 2.5% sulfur content, and operating within 10% of its rated capacity. Testing may be conducted with the source operating at less than 90% of rated capacity; however, if so, subsequent source operation is limited to up to 110% of the test load. Once the unit is so limited, then operation at higher capacities is allowed for a cumulative total of no more than fifteen days for purposes of additional compliance testing to regain rated capacity in the permit, with prior notification to the Department.

(c) Stack Sampling Facility-FAC 17-297.345

The stack sampling facility must comply with Rule 17-297.345, FAC.

(d) Report Submittal-FAC 17-297.570

A copy of the test results shall be submitted to the Department's Southeast District Office and Broward County Department of Natural Resource Protection within 45 days after the last test run is completed.

PERMITTEE:  
Ms. Elsa Bishop, Supervisor  
Florida Power & Light  
North Palm Beach, FL 33408

I.D. NUMBER: 50/BRO/06/0036/04  
PERMIT/CERTIFICATION NUMBER: AO 06-223352  
DATE OF ISSUE: **APP 21 1993**  
EXPIRATION DATE: February 15, 1998

**SPECIFIC CONDITIONS:**

**(5) Annual Operations Report (AOR):**

On or before March 1 of each calendar year, a completed DER Form 17-210.900(4), Annual Operations Report Form for Air Emissions Sources, based on data for the preceding calendar year, shall be submitted to the Department's Southeast District Office and the Broward County Department of Natural Resource Protection.

**(6) Excess Emissions - FAC 17-210.700**

- (a) Excess emissions resulting from start-up or shut-down shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions is minimized.
- (b) Excess emissions resulting from malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions is minimized but in no case exceeds two hours in any 24-hour period unless specifically authorized by the Department for longer duration.
- (c) In the event the permittee is temporarily unable to comply with any of the conditions of the permit, the permittee shall immediately notify the Department's Southeast District Office and the Broward County Department of Natural Resource Protection. Notification shall be conducted in accordance with General Condition (8) of this permit.
- (d) In addition to the requirements of General Condition 8 of this permit, a written quarterly report shall be submitted to the Department's Southeast District Office and the Broward County Department of Natural Resource Protection of all opacity exceedances of emissions limitations specified in Florida Administrative Code Rule 17-210.700(1) through (4) and 17-296.405(1)(a). Each report shall state the cause, period of non-compliance, steps taken for corrective action, and steps taken to prevent recurrence. If compliance cannot be determined due to an opacity monitor malfunction or for any other reason, the report shall state the cause, duration and action taken. The Department shall also be notified when there are no exceedances for a quarter. All recorded data shall be maintained on file by the permittee for no less than two years and made available to the Department upon request.

**(7) Used Oil Handling:**

Burning of used oil shall be permitted under the following conditions:

- (a) The used oil fuel shall originate from FPL operations and shall meet the EPA specification levels under 40 CFR 266.40(e). Furthermore, the used oil shall be burned in accordance with the Department's Policy Memorandum of January 5, 1987.
- (b) Each batch of used oil to be burned shall be sampled and analyzed for: arsenic, chromium, cadmium, total halogens, and lead using EPA/DER or ASTM approved methods. Split samples of the used oil shall be retained for three (3) months after analysis for further testing if necessary.

PERMITTEE:  
Ms. Elsa Bishop, Supervisor  
Florida Power & Light  
North Palm Beach, FL 33408

I.D. NUMBER: 50/BRO/06/0036/04  
PERMIT/CERTIFICATION NUMBER: AO 06-223352  
DATE OF ISSUE: APR 21 1993  
EXPIRATION DATE: February 15, 1998

**SPECIFIC CONDITIONS:**

- (c) Results of used oil sampling and analysis performed pursuant to Specific Condition 7(b) shall be retained by permittee for at least three (3) years and made available for inspection by the Department upon request.
  - (d) An estimate of the total quantity of used oil burned and a summary of the range of values for each constituent analyzed pursuant to Specific Condition (7)(b) during the applicable calendar year shall be included in the Annual Operation Report (AOR) for Air Emissions Sources.
- (8) Local Requirements
- This permit does not preclude compliance with any applicable local permitting requirements and regulations.
- (9) Permit Renewal-FAC 17-4.09:
- An operation permit renewal application must be submitted at least 60 days prior to the expiration of this permit.
- (10) The permittee shall be aware of and operate under the attached "General Permit Conditions #1 through #14". General Permit Conditions are binding upon the permittee and enforceable pursuant to Chapter 403 of the Florida Statutes.

Issued this 21<sup>ST</sup> day of APRIL, 1993

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

Mary E. S. Williams  
Mary E. S. Williams  
Director of District Management

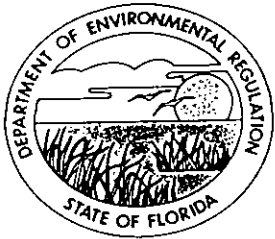
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were mailed by certified mail before the close of business on APR 21 1993 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52(11), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Gloria Lindsay (Clerk)      APR 21 1993 (Date)



# Florida Department of Environmental Regulation

Southeast District • P.O. Box 15425 • West Palm Beach, Florida 33416

Lawton Chiles, Governor

1900 S. Congress Ave., Suite A

Virginia B. Wetherell, Secretary

Telephone: 407/433-2650

Fax: 407/433-2666

JUN 16 1993

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
NOTICE OF PERMIT ISSUANCE

FILE

CERTIFIED MAIL

In the Matter of an Application  
for Permit by:

DER File No. AO 06-230618  
Broward County

Ms. Elsa Bishop /  
Air Permitting Supervisor /  
Florida Power & Light Company /  
P. O. Box 088801 /  
North Palm Beach, Florida 33408-8801 /

Enclosed is Permit Number AO 06-230618 to operate an air pollution source issued pursuant to Section 403.087, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, 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 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of receipt of this Permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information;

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;

(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

(d) A statement of the material facts disputed by Petitioner, if any;

(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

Ms. Elsa Bishop  
Air Permitting Supervisor  
Florida Power & Light Company  
North Palm Beach, Florida 33408-8801  
Page 2 of 2

DER Permit No. AO 06-230618


If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, 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 Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 days from the date the Final Order is filed with the Clerk of the Department.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

  
Mary E. S. Williams  
Director of District Management  
F.D.E.R., Southeast District  
P. O. Box 15425  
West Palm Beach, FL 33416  
407/433-2650

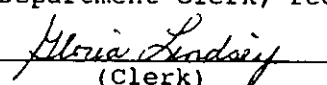
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CERTIFICATE OF SERVICE

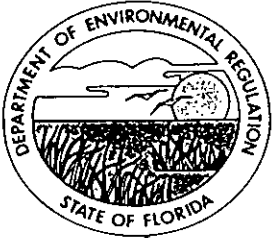
The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were mailed by certified mail before the close of business on JUN 16 1993 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52(11), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

  
(Clerk)      JUN 16 1993  
(Date)

Copies furnished to: Broward County Department of Natural Resource Protection



# Florida Department of Environmental Regulation

Southeast District • P.O. Box 15425 • West Palm Beach, Florida 33416

Lawton Chiles, Governor

1900 S. Congress Ave., Suite A

Virginia B. Wetherell, Secretary

Telephone: 407/433-2650

Fax: 407/433-2666

JUN 16 1993

**PERMITTEE:**

Ms. Elsa Bishop  
Air Permitting Supervisor  
Florida Power & Light Company  
P.O. Box 088801  
North Palm Beach, FL 33408-8801

I.D. NUMBER: 50/BRO/06/0036/05

PERMIT/CERTIFICATION NUMBER: AO 06- 230618\*

DATE OF ISSUE: JUN 16 1993

EXPIRATION DATE: June 4, 1998

COUNTY: Broward

LATITUDE/LONGITUDE: 26°05'07"N/80°07'34"W

UTM: Zone 17; 587.2 Km. E; 2885.5 Km. N

PROJECT: Florida Power & Light Company

Port Everglades Gas Turbines Nos. 1-12

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule 17-210 and 296, and in conformance with all existing regulations of the Florida Department of Environmental Regulation. 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:

**OPERATE:** An air pollution source consisting of gas turbine Units 1 through 12 with a 486 MW gross capacity burning natural gas and/or No. 2 distillate oil, exhausting through separate stacks 50 feet above ground level. The heat input rate per unit is 702 MM BTU/hr.

**IN ACCORDANCE WITH:** Application for Renewal of Permit to Operate Air Pollution Sources received May 3, 1993, Application for Renewal of Permit to Operate Air Pollution Sources received May 10, 1988 (none are attached).

**LOCATED AT:** Port Everglades, Ft. Lauderdale, Broward County, Florida.

**TO SERVE:** An electric service utility facility (SIC #4911).

**SUBJECT TO:** General Conditions 1-14 and Specific Conditions 1-8.

\*This permit is a renewal of AO 06-148762 issued August 5, 1988.



**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.14, 403.727, or 403.859 through 403.861, F.S. 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.

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), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize an 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 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 acknowledgement 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.

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.

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 reasonable times, 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) 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.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in the permit, the permittee shall immediately notify and provide the Department with the following information:

- (a) A description of and cause of noncompliance; and
- (b) The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. 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.

GENERAL CONDITIONS:

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 403.111 and 403.73, F.S. 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 Rule 17-4.120 and 17-30.300, F.A.C., as applicable. The permittee shall be liable for any noncompliance 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.
13. 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.
14. 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 the 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.

PERMITTEE:  
 Ms. Elsa Bishop  
 Air Permitting Supervisor  
 Florida Power & Light Company  
 North Palm Beach, Florida 33408-8801

I.D. NUMBER: 50,380/06/0036/05  
 PERMIT/CERTIFICATION NUMBER: 06-230618  
 DATE OF ISSUE: JUN 18 1998  
 EXPIRATION DATE: June 4, 1998

**SPECIFIC CONDITIONS:**

(1) Heat Input Rate:

The permitted heat input rates for this source is: 702 MM BTU/hr per unit.

(2) Permitted Fuels:

These sources shall be fired with No. 2 distillate fuel oil and/or natural gas.

(3) Source Emission Limiting Standards and Compliance Testing Requirements:

| POLLUTANT         | EMISSION <sup>(1)</sup><br>LIMITING<br>STDS. | TESTING FREQUENCY |           |   | TEST <sup>(2)</sup><br>METHOD |
|-------------------|--|-------------------|-----------|---|-------------------------------|
|                   |  | ANNUAL            | QUARTERLY | OTHER   |                               |
| Visible Emissions | 20% Opacity                                  |                   |           | If fuel oil consumption in any unit reaches 23,810 bbls (1,000,000 gal.) in a fiscal year, within that fiscal year* | EPA Method 9                  |

1. FAC 17-296.310(2)(a)
2. FAC 17-297.420

\* NOTE:

Usage may be determined on the basis of proportionate time of operation versus total fuel consumption for the block of twelve units. If fuel consumption testing threshold is achieved in September, then visible emissions testing may be conducted prior to October 31 of the same calendar year.

4. Compliance Testing Related Requirements:

(a) Notification-FAC 17-297.340(1)(i)

Notification of scheduled test dates shall be given to the Department Southeast District Office and the Broward County Department of Natural Resource Protection at least 15 days prior to testing unless otherwise agreed to by the Department.

(b) Conditions

Testing of emissions should be conducted with the source operating within 10% of its rated capacity. Testing may be conducted at less than 90% of rated capacity; however, if so, subsequent source operation is limited to up to 110% of the test load. Once the unit is so limited, then operation at higher capacities is allowed for purposes of additional compliance testing to regain rated capacity in permit, with prior notification to the Department.

(c) Report Submittal - FAC 17-297.570

A copy of the test results shall be submitted to the Department Southeast District Office and the Broward County Department of Natural Resource Protection, including formulas with input and output data.

PERMITTEE:  
Ms. Elsa Bishop  
Air Permitting Supervisor  
Florida Power & Light Company  
North Palm Beach, Florida 33408-8801

I.D. NUMBER: 50, AO 6/0036/05  
PERMIT/CERTIFICATION NUMBER: AO 06-230618  
DATE OF ISSUE:  
EXPIRATION DATE: June 4, 1998

**SPECIFIC CONDITIONS:**

5. Annual Operations Report (AOR):

On or before March 1 of each calendar year, a completed DER Form 17.210.900(4), Annual Operations Report Form for Air Emissions Sources, listing emissions for the preceding calendar year, shall be submitted to the Department Southeast District Office and the Broward County Department of Natural Resource Protection.

6. Excess Emissions - FAC 17.210.700:

Excess emissions resulting from start-up, shut-down or malfunction shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration.

7. Permit Renewal - FAC 17-4.09:

An operation permit renewal/application must be submitted at least 60 days prior to the expiration of this permit.

8. The Permittee shall be aware of and operate under the attached "General Permit Conditions #1 thru #14". General Permit conditions are binding upon the Permittee and enforceable pursuant to Chapter 403 of the Florida Statutes.

Issued this 16<sup>TH</sup> day of JUNE, 1993

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

Mary E. Williams  
Mary E. S. Williams  
Director of District Management  
F.D.E.R., Southeast District  
P.O. Box 15425  
West Palm Beach, Florida 33416

MESW:nk:gml

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were mailed by certified mail before the close of business on JUN 16 1993 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52(11), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Gloria Lindsey  
(Clerk)

JUN 16 1993  
(Date)